नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(भारत सरकार का उपक्रम)
North Eastern Electric Power Corporation Ltd.
(A Govt. of India Enterprise)

A Wholly Owned subsidiary of NTPC Ltd.
Second Floor, Block-C, Centrum Plaza Mall
Sultanpur, M.G. Road, New Delhi-110030
Email: corpaffairs@neepco.co.in

कॉर्पोरेट अफेयर्स | Corporate Affairs

सं-/No. CA/37/429

दिनांक/Dated 13.11.2024

सेवा में/To,

सचिव/The Secretary

केंद्रीय विद्युत विनियामक आयोग/Central Electricity Regulatory Commission

तीसरी एवं चौथी मंजिल/3rd & 4th Floor,

चन्दलोक भवन/Chanderlok Building,

36, जनपथ, नई दिल्ली-110001/36, Janpath, New Delhi-110001

विषय/ Sub: Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and (a)Chapter-3 Regulation 13 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for carrying out truing up exercise for the period 2019-24 with respect to the capital expenditure including additional capital expenditure incurred during the period of 2019-24 and (b)Chapter-11 Regulation 65 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 of truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24 which has already been billed to Respondent no-1 Respondent no-1 to 7 and (c) Chapter-3 Regulation 9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for Determination of Tariff for the period 01.04.2024 to 31.03.2029 in respect of **PLHPS**

महोदय /Dear Sir,

This has reference to the above, Please find enclosed Petitions in respect of Panyor Lower Hydro Power Station (405 MW) [hereinafter reffered to as PLHPS] of North Eastern Electric Power Corporation Limited (NEEPCO), Shillong for truing up exercise for the period 2019-24 and Determination of Tariff for the 01.04.2024 to 31.03.2029 in respect of PLHPS.

This is for kind consideration of the Honourable Commission.

धन्यवाद/Thanking you,

भवदीय/Yours faithfully,

(विनुंजय मुड़यां)
मुख्य महाप्रबंधक
नीपको लिमिटेड, नई दिल्ली-66

संलग्नक: यथोक्त/Enclo: As above

ज्ञापन सं-/CA/37/430 - 438

दिनांक/Dated: 13.11.2024

1.अध्यक्ष, असम पावर डिस्ट्रीब्यूशन कंपनी लिमिटेड, "बिजुली भवन", पलटनबाजार, गुवाहाटी 781 001, असम।

2.अध्यक्ष एवं प्रबंध निदेशक, मेघालय विद्युत वितरण निगम लिमिटेड, मीटर फैक्ट्री क्षेत्र, शॉर्ट राउंड रोड, एकीकृत कार्यालय परिसर, शिलांग - 793001, मेघालय।

3.अतिरिक्त. महाप्रबंधक, वाणिज्यिक एवं सिस्टम ऑपरेशन, त्रिपुरा राज्य विद्युत निगम लिमिटेड, विद्युत भवन, उदरी बनमालीपुर, अगरतला -799 001, त्रिपुरा।

4.मुख्य अभियंता, बिजली और बिजली विभाग, मिजोरम सरकार, नया सचिवालय परिसर, खाल्फेंग, आइजोल - 796001, मिजोरम।

5.प्रबंध निदेशक, मणिपुर राज्य विद्युत वितरण कंपनी लिमिटेड, इलेक्ट्रिकल कॉम्प्लेक्स, खवाई बाजार, कीशमपत, इंफाल-795001, मणिपुर।

6.मुख्य अभियंता (विद्युत), विद्युत विभाग, विद्युत भवन, अरुणाचल प्रदेश सरकार, ईटानगर-791111, अरुणाचल प्रदेश।

7.मुख्य अभियंता (विद्युत), विद्युत विभाग, नागालैंड सरकार, कोहिमा - 797001, नागालैंड।

8.सदस्य सचिव, उत्तर पूर्वी क्षेत्रीय विद्युत समिति, एनईआरपीसी कॉम्प्लेक्स, डोंग पर्मावं, लापालांग, शिलांग-793006, मेघालय।

9.महाप्रबंधक, उत्तर पूर्वी क्षेत्रीय लोड डिस्पैच सेंटर, डोंगटीह, लोअर नोंगराह, लापलांग, शिलांग -793006, मेघालय।

1. Chairman, Assam Power Distribution Company Ltd, "Bijulee Bhawan", Paltanbazar, Guwahati 781 001, Assam.

2.Chairman & Managing Director, Meghalaya Power Distribution Corporation Ltd, Meter Factory area, Short Round Road, Integrated Office Complex, Shillong -793001, Meghalaya.

3.Addl. General Manager, Commercial & System Operation, Tripura State Electricity Corporation Ltd., Bidyut Bhawan, North Banamalipur, Agartala - 799 001, Tripura.

4.Engineer In Chief, Power & Electricity Department, Government of Mizoram, New Secretariat Complex, Kawlpheta, Aizawl – 796001, Mizoram.

5.Managing Director, Manipur State Power Distribution Co. Ltd, Electrical Complex, Khwai Bazar, Keishampat , Imphal-795001, Manipur.

6.Chief Engineer (Power), Department of Power, Vidyut Bhawan, Government of Arunachal Pradesh, Itanagar-791111, Arunachal Pradesh.

7.Chief Engineer (Power), Department of Power, Government of Nagaland, Kohima -797001, Nagaland.

8.Member Secretary, North Eastern Regional Power Committee, NERPC Complex, Dong Parmaw, Lapalang, Shillong-793006, Meghalaya.

9.General Manager, North Eastern Regional Load Despatch Centre, Dongtieh, Lower Nongrah, Lapalang, Shillong -793006 Meghalaya.

मुख्य महाप्रबंधक
नीपको लिमिटेड, नई दिल्ली-66

सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No.	:	IN-DL97455239147490V
Certificate Issued Date	:	17-Nov-2023 11:46 AM
Account Reference	:	IMPACC (IV)/ dl754903/ DELHI/ DL-DLH
Unique Doc. Reference	:	SUBIN-DLDL75490359892619696319V
Purchased by	:	NEEPCO LIMITED
Description of Document	:	Article 4 Affidavit
Property Description	:	Not Applicable
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	NEEPCO LIMITED
Second Party	:	SUBMISSIONS OF DATA TO CERC
Stamp Duty Paid By	:	NEEPCO LIMITED
Stamp Duty Amount(Rs.)	:	10 (Ten only)

NOTARY PUBLIC ★ GOVT. OF INDIA

NOTARY PUBLIC ★ GOVT. OF INDIA

Please write or type below this line

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and (a)Chapter-3 Regulation 13 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for carrying out truing up exercise for the period 2019-24 with respect to the capital expenditure including additional capital expenditure incurred during the period of 2019-24 and (b)Chapter-11 Regulation 65 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 of truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24 which has already been billed to Respondent no-1 Respondent no-1 to 7 and (c) Chapter-3 Regulation 9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for Determination of Tariff for the period 01.04.2024 to 31.03.2029

Statutory Alert:
1. The authenticity of this Stamp certificate should be verified at www.shcilestamp.com or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

AND

IN THE MATTER OF:

North Eastern Electric Power Corporation Limited
Corporate Office: Brookland Compound
Lower New Colony, Shillong 793 003
Meghalaya

--- PETITIONER

VERSUS

Assam Power Distribution Company Ltd
(Erstwhile Assam State Electricity Board)
"Bijulee Bhawan", Paltanbazar, Guwahati 781001 and 08 (eight) others

RESPONDENTS

Affidavit verifying the submission of NEEPCO.

I Ripunjoy Bhuyan, Chief General Manager (Tech) son of Late Deb Nath Bhuyan, aged about 51 years presently residing at Hatigarh Charali, Guwahati- 781021, do solemnly affirm and state as follows:

1. That I am Chief General Manager (Tech) in the Petitioner - North Eastern Electric Power Corporation Limited and am well conversant with the facts of the case and am competent to swear the present affidavit.

2. That I have read the contents of the accompanying submission filed by North Eastern Electric Power Corporation Limited and have understood the contents of the same.

3. That the contents of the accompanying submission are based on information available with the petitioner in the normal course of business and believed by the deponent to be true.

4. That the annexures to the submissions are true and correct copies of their original

Deponent

NOTARY PUBLIC
GOVT OF INDIA
JKUMAR
VOCATE)
rea: DELHI
gn. No. 6536
piry NOV.2027

VERIFICATION:

Verified at New Delhi on 13.11.2024, that the contents of above affidavit are true to the best of my knowledge, no part of it is false and nothing material has been concealed therefrom.

ATTESTED
NOTARY PUBLIC INDIA
13 NOV 2024

BEFORE THE HONB'LE CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

PETITION NO: /2024

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023
and

(a)Chapter-3 Regulation 13 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for carrying out truing up exercise for the period 2019-24 with respect to the capital expenditure including additional capital expenditure incurred during the period of 2019-24

and

(b) Chapter-11 Regulation 65 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 of truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24 which has already been billed to Respondent no-1 to 7.

and

(c) Chapter-3 Regulation 9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for Determination of Tariff for the period 01.04.2024 to 31.03.2029

In respect of **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**) of **North Eastern Electric Power Corporation Limited (NEEPCO)**, Shillong.

AND IN THE MATTER OF:

North Eastern Electric Power Corporation Limited
Corporate Office: Brookland Compound Lower New Colony,
Shillong 793 003 Meghalaya

-------- **PETITIONER**

VERSUS

Assam Power Distribution Company Ltd (Erstwhile Assam State Electricity Board) "Bijulee Bhawan", Paltanbazar Guwahati - 781 001 and 8 (eight) others

-------- **RESPONDENTS**

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NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

THROUGH

(Ripunjoy Bhuyan)
CGM (Commercial), NEEPCO
Place: Delhi
Dated

BEFORE THE HONB'LE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

PETITION NO: /2024

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and

(a)Chapter-3 Regulation 13 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for carrying out truing up exercise for the period 2019-24 with respect to the capital expenditure including additional capital expenditure incurred during the period of 2019-24 and

(b) Chapter-11 Regulation 65 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 of truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24 which has already been billed to Respondent no-1to 7 and

(c) Chapter-3 Regulation 9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for Determination of Tariff for the period 01.04.2024 to 31.03.2029

in respect of **Panyor Lower Hydro Power Station (405 MW) (hereinafter referred to as PLHPS)** of **North Eastern Electric Power Corporation Limited (NEEPCO), Shillong.**

AND IN THE MATTER OF :

North Eastern Electric Power Corporation Limited
Corporate Office : Brookland Compound
Lower New Colony, Shillong 793 003
Meghalaya

--------- **PETITIONER**

VERSUS

RESPONDENTS:

1. Chairman
   Assam Power Distribution Company Ltd
   "Bijulee Bhawan", Paltanbazar
   Guwahati 781 001, Assam.

2. Chairman & Managing Director,

Meghalaya Power Distribution Corporation Ltd
Meter Factory area, Short Round Road,
Integrated Office Complex,
Shillong -793001, Meghalaya.

3. Addl. General Manager, Commercial & System Operation,
Tripura State Electricity Corporation Ltd.
Bidyut Bhavan, North Banamalipur,
Agartala -799 001, Tripura.

4. Engineer In Chief
Power & Electricity Department,
Government of Mizoram,
New Secretariat Complex, Kawlphetha,
Aizawl – 796001, Mizoram.

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Electrical Complex, Khwai Bazar,
Keishampat , Imphal-795001, Manipur.

6. Chief Engineer (Power),
Department of Power, Vidyut Bhawan,
Government of Arunachal Pradesh,
Itanagar-791111, Arunachal Pradesh.

7. Chief Engineer (Power),
Department of Power,
Government of Nagaland,
Kohima -797001, Nagaland.

8. Member Secretary
North Eastern Regional Power Committee,
NERPC Complex, Dong Parmaw
Lapalang, Shillong-793006,
Meghalaya.

9. General Manager,
North Eastern Regional Load Despatch Centre
Dongtieh, Lower Nongrah,
Lapalang, Shillong -793006,
Meghalaya.

It is respectfully submitted by the petitioner:-

(a) **TRUING UP EXERCISE FOR THE PERIOD 2019-24**

1. The **North Eastern Electric Power Corporation Limited** (hereinafter referred to as **NEEPCO),** a Government of India Enterprise established under Companies Act, 1956 came into existence on 2nd April, 1976 with its Headquarters at Shillong, Meghalaya.

2. The Petitioner is having power stations/projects at different states/locations of the North Eastern Region of the country. The **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**) is one of such generating stations located at **Papum Pare** District of Arunachal Pradesh having an installed capacity of **405** MW.

3. The generating station comprises of three units of **135 MW** each and is a run of the river scheme with pondage, having a Head Race Tunnel and a surface Power House. The tail race discharge of the generating station is diverted to Dikrong River through an open channel of 56 meters length. The date of commercial operation of the three units of the generating station are as under:

Units	Actual COD
I	12.2.2002
II	12.2.2002
III / Generating Station	12.4.2002

4. It is submitted that the electricity generated from **PLHPS** is being supplied to the respondents 1-7 mentioned herein above.

5. The Annual Design Energy of the **PLHPS** is **1293.73** MU.

6. The Hon'ble Commission has determined the tariff of **PLHPS** for the period 01.04.2019 to 31.03.2024 and approved the Annual Fixed Charges (AFC) for the tariff period 2019-24 vide its order dated **15.12.2022** in Petition No. **233/GT/2020** in accordance with the Central Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2019.- **Annexure-B.**

7. **Capital Cost**: The capital cost as on 31.03.2019 admitted for the purpose of tariff by the Commission in the above order was Rs. **148944.31 lakh** .

8. **Additional Capitalization and De-capitalization**: As per relevant regulations under Chapter-7 of CERC Tariff Regulations 2019 (Computation of additional capital expenditure) to be allowed by the Commission in the Tariff.

9. The petitioner has capitalized various expenditures incurred during the FYs 2019-24 in the books of **PLHPS**. Accordingly, the Petitioner have proposed to revise the Annual Fixed

Charges for the Power Station for the period of 2019-24 showing impact thereof during the said period through this petition for the purpose of carrying out truing up exercise by the Hon'ble Commission.

10. The application is made before the Hon'ble Commission for revision of tariff for the **PLHPS** in terms of the CERC (Terms and Conditions of Tariff) Regulations, 2019 clause 13 for the purpose of truing up based on additional capital expenditure incurred during the period of 2019-24.

(i) The Additional capitalization and De-capitalization approved during the period 2019-24 as per Order dtd **15.12.2022** in Petition No. **233/GT/2020.**

(ii) However, the additional capitalization claimed during the period 2019-24 has been worked out as detailed in **Annexure-A.**

(iii) The aforesaid additional capitalization to be considered for tariff purpose after adjustment of de-capitalization.

(iv) All Audited statements related to the Tariff Forms for the period of 2019-24 **Annexure -G.**

(v) All PO copies , work completion certificates and other supporting documents are given in **Annexure-H.**

11. The revised Annual Fixed Charges (AFC) for the Power Station for the period of 2019-24 have been calculated & furnished (**Annexure-A**) duly considering the admissible additional capital expenditure actually incurred during 2019-24 for the said purpose. Further, in terms of Regulation 31 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, the Return on Equity for each financial year has been "Grossed up" with the applicable effective tax rates for the years 2019-24.

12. **Security expenses**: As per paragraph no. 35 of Tariff Regulation 2019, Security Expenses for hydel generating stations are allowed separately. The security expenses at actual claimed along with auditor certificates during the period of 2019-24 amounting to total Rs. 2297.33 lakh is detailed in **Annexure-A** has been submitted by the petitioner for truing up.

FINANCIAL YEAR	AMOUNT (in Rs. Lakh)
2019-20	488.486
2020-21	482.261
2021-22	443.633
2022-23	467.970
2023-24	414.984

13. It is submitted that the petitioner has paid the requisite filing fee in compliance of Regulation 3 of CERC (Payment of Fees) Regulation 2012 amounting to ₹ 90,28,800/- deposited through SAUDAMINI e-filling portal for payment of annual application fees for determination of Tariff for the FY 2024-25 and detail of the same has been communicated

to the Hon'ble Commission vide letter no. NEEPCO/ED/COMML/F-41/2024-25/42 dtd 10/04/2024 in respect of generating stations of NEEPCO. Copy of the letter is attached (**Annexure -C**).

14. The details of documents annexed to this petition are given in the Index.

PRAYER

The petitioner, therefore, most humbly prays that the Hon'ble Commission may kindly be pleased to:

(i) Approve the Revised Annual Fixed Charges in respect of **PLHPS**, after considering the impact of net capitalization done during 2019-24 as per the details given in Annexure- A to this Petition.

(ii) Allow recovery of publication expenses from the beneficiaries incurred with regards to this petition.

(iii) Allow recovery from the beneficiaries any such tax, cess levied in NEEPCO in relation to generation and supply/distribution of electricity.

(iv) Allow recovery of filing fees relating to the period of 2019-24 from the beneficiaries as and when the same paid to the Hon'ble Commission.

(v) Pass any other order in this regard as the Hon'ble Commission may find appropriate in the circumstances pleaded above.

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

THROUGH

(Ripunjoy Bhuyan)
CGM (Commercial), NEEPCO
Place: Delhi
Dated:

IT IS RESPECTFULLY SUBMITTED BY THE PETITIONER:

b) Truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and Chapter-11 Regulation 65 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 of truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24 in respect of **Panyor Lower Hydro Power Station (405 MW) (hereinafter referred to as PLHPS)** during 2019-24 of North Eastern Electric Power Corporation Limited (NEEPCO), Shillong. (which has already been billed to Respondent no-1 to 7)

AND IN THE MATTER OF:

North Eastern Electric Power Corporation Limited
Corporate Office: Brookland Compound Lower New Colony,
Shillong 793 003 Meghalaya ---------- **PETITIONER**

VERSUS

Assam Power Distribution Company Ltd (Erstwhile Assam State Electricity Board) "Bijulee Bhawan", Paltanbazar Guwahati - 781 001 and 8 (eight) others

---------- **RESPONDENTS**

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NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

THROUGH



(Ripunjoy Bhuyan)
CGM (Commercial), NEEPCO
Place: Delhi
Dated:



BEFORE THE HONB'LE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

PETITION NO: /2024

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and Chapter-11 Regulation 65 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 of truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24 in respect of **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**) during 2019-24 of North Eastern Electric Power Corporation Limited (NEEPCO), Shillong. (which has already been billed to Respondents no-1 to 7)

AND IN THE MATTER OF :

North Eastern Electric Power Corporation Limited
Corporate Office : Brookland Compound
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Meghalaya

-------- **PETITIONER**

VERSUS

RESPONDENTS:

1. Chairman
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Lapalang, Shillong-793006,
Meghalaya.

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North Eastern Regional Load Despatch Centre
Dongtieh, Lower Nongrah,
Lapalang, Shillong -793006,
Meghalaya.

IT IS RESPECTFULLY SUBMITTED BY THE PETITIONER:

Truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and Chapter-11 Regulation 65 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 of truing up exercise for determination of shortfall of energy charges beyond the control of the Generating Station during 2019-24 in respect of **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**) during 2019-24 of North Eastern Electric Power Corporation Limited (NEEPCO), Shillong. (which has already been billed to Respondent no-1 to 7)

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2.The Petitioner is having power stations/projects at different states/locations of the North Eastern Region of the country. The **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**) is one of such generating stations located at **Papum Pare** District of Arunachal Pradesh having an installed capacity of **405** MW.

3. Regulation 65(7&8) of the CERC (Terms and Conditions of Tariff) Regulations, 2024, allows the recovery of shortfall in energy charges for reasons beyond the control of generating stations during the tariff period 2019-24 directly from the beneficiaries. The relevant Regulations are as follows: -

"65(7)In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.

Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating 120 station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station."

"65(8)Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation. "

In the previous Tariff Regulations 2019-24, filing of petitions for recovery of shortfall of energy charges was necessary. In the present Tariff Regulations 2024-29, commission has given liberty to the generating stations to directly recover the shortfall of energy. However, the recovery amount will be subject to truing up at the end of the tariff period.

Commission in its recent order dtd. 20.01.24 on various Petitions of NHPC allowed recovery of shortfall of energy charges of hydro stations for the tariff period 2019-2021.

With the above-mentioned facts in the background and following the methodology in the order dtd, 20.01.24, NEEPCO has calculated the recovery of shortfall of energy charges for the period from 2019 to 2014 for reasons beyond the control of the generating station.

In case of PLHPS the following factors have been taken into consideration as un controllable :-

1)**Less Inflow of water w.r.t Design flow**

2)**Less Schedule (i.e. URS -Difference between DC & Schedule.)**

1)Less Inflow of water w.r.t Design flow:-

We have gathered the following data for each day of the respective financial years to ascertain the uncontrollable factors of Less Inflow of water w.r.t Design flow :-

a) Water inflow data b)Actual Generation data c) Outage data e) IMD data - **Annexure-D**

The following formulae have been used to calculate the maximum possible saleable ex-bus generation corresponding to actual inflows available during each day of a financial year.

Maximum possible saleable ex-bus generation for a day = Design energy for the day x Actual inflow (cumecs)x K1xK2/Design Inflow

Where K1 represents the multiplying factor to account for the Free Energy of 12% to home states, and K2 represents the multiplying factor to account for the auxiliary consumption. A summation of such derived values for the whole financial year represents the maximum possible saleable ex-bus generation for the year. Difference between the Saleable Ex bus design energy and maximum possible exbus energy is the shortfall/excess of generation on account of Inflow ofwater.

2) Less Schedule (i.e. URS -Difference between DC & 3) Schedule.

For URS the shortfall of energy is 4.00 Mu.

Year wise shortfall of energy is calculated as per the following Table:-

ENERGY SHORTFALL BEYOND CONTROL OF THE GENERATING STATION				
Name of the station:**PLHPS**	Unit			
Uncontrollable Factors	Mu	2021-22	2023-24	Total
Maximum possible generation wrt to available flow	MU	1196.8	1224.9	
Design energy	MU	1293.8	1293.8	
1) Shortfall/Excess	**MU**	**97.0**	**68.9**	
2)URS (DC less Schedule)	**MU**	**1.0**	**3.0**	
Total (1+2) above	MU	97.99	71.94	
Ex bus energy	MU	85.37	62.68	
DSM Energy	MU	9.32	8.20	
Net energy for shortfall calculation	MU	76.06	54.48	
ECR	Rs/KwH	1.343	1.403	
Recovery amount	Rs Cr.	10.21	7.64	**17.858**
As per REA ex bus shortfall	MU	122.237	99.981	
Maximum shortfall in Rs Cr.	Rs Cr.	16.416	14.027	**30.444**





Accordingly an amount of Rs **17.858 Cr** was billed to all the beneficiaries on 30.04.2024. Invoice copy attached in **Annexure –E**

Detailed Calculation sheet is enclosed as **Annexure-F**.

Petitiioner has submitted measured/calculated inflow data and rainfall maps from the Indian Metrological Department to HP & I Division , CEA for kind examination and certification in order for submission of true up Petition. **Annexure-K**

PRAYER

The petitioner, therefore, most humbly prays that the Hon'ble Commission may kindly be pleased to:

i) The Commission may kindly allow recovery of shortfall of energy charges amounting to Rs **17.858 Cr** alongwith applicable interest .

ii) The Commission may kindly allow the revision of shortfall of energy charges already billed after revision of Annual Fixed Cost through trough true up exercise for 2019-24.

iii) Pass such other and further order / orders as are deemed fit and proper in the facts and circumstances of the case.

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

THROUGH

(Ripunjoy Bhuyan)
CGM (Commercial), NEEPCO
Place: Delhi
Dated:

IT IS RESPECTFULLY SUBMITTED BY THE PETITIONER:

c) DETERMINATION OF TARIFF FOR THE PERIOD 01.04.2024 TO 31.03.2029

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and Chapter-3 Regulation 9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for Determination of Tariff for the period 01.04.2024 to 31.03.2029 in respect of **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**)

AND IN THE MATTER OF:

North Eastern Electric Power Corporation Limited
Corporate Office: Brookland Compound Lower New Colony,
Shillong 793 003 Meghalaya

-------- **PETITIONER**

VERSUS

Assam Power Distribution Company Ltd (Erstwhile Assam State Electricity Board) "Bijulee Bhawan", Paltanbazar Guwahati - 781 001 and 8 (eight) others

-------- **RESPONDENTS**

INDEX

Sl. No.	Particulars	Page No.
1	Petition	
2	Affidavit	
3	Summary (**Tariff form**) of revised Annual Fixed Charges for the period of 2024-29 including additional capital expenditure to be incurred during the period and related forms there-to **Annexure -I.**	
4	Proof of payment of filing fees-**Annexure-C**	

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

THROUGH

(Ripunjoy Bhuyan)
CGM (Commercial), NEEPCO
Place: Delhi
Dated:

BEFORE THE HONB'LE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

PETITION NO: /2024

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and Chapter-3 Regulation 9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for Determination of Tariff for the period 01.04.2024 to 31.03.2029 in respect of **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**) .

AND IN THE MATTER OF :

North Eastern Electric Power Corporation Limited
Corporate Office : Brookland Compound
Lower New Colony, Shillong 793 003
Meghalaya --------- **PETITIONER**

VERSUS

RESPONDENTS:

1. Chairman
   Assam Power Distribution Company Ltd
   "Bijulee Bhawan", Paltanbazar
   Guwahati 781 001, Assam.

2. Chairman & Managing Director,
   Meghalaya Power Distribution Corporation Ltd
   Meter Factory area, Short Round Road,
   Integrated Office Complex,
   Shillong -793001, Meghalaya.

3. Addl. General Manager, Commercial & System Operation,
   Tripura State Electricity Corporation Ltd.
   Bidyut Bhavan, North Banamalipur,
   Agartala -799 001, Tripura.

4. Engineer In Chief
   Power & Electricity Department,
   Government of Mizoram,
   New Secretariat Complex, Kawlphetha,
   Aizawl – 796001, Mizoram.

5. Managing Director
   Manipur State Power Distribution Co. Ltd

Electrical Complex, Khwai Bazar,
Keishampat , Imphal-795001, Manipur.

6. Chief Engineer (Power),
Department of Power, Vidyut Bhawan,
Government of Arunachal Pradesh,
Itanagar-791111, Arunachal Pradesh.

7. Chief Engineer (Power),
Department of Power,
Government of Nagaland,
Kohima -797001, Nagaland.

8. Member Secretary
North Eastern Regional Power Committee,
NERPC Complex, Dong Parmaw
Lapalang, Shillong-793006,
Meghalaya.

9. General Manager,
North Eastern Regional Load Despatch Centre
Dongtieh, Lower Nongrah,
Lapalang, Shillong -793006,
Meghalaya.

IT IS RESPECTFULLY SUBMITTED BY THE PETITIONER:

DETERMINATION OF TARIFF FOR THE PERIOD 01.04.2024 TO 31.03.2029

IN THE MATTER OF:

Petition under section 62 and 79 (1) of the Electricity Act,2003 read with related provisions of the Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations,2023 and Chapter-3 Regulation 9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for Determination of Tariff for the period 01.04.2024 to 31.03.2029 in respect of **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**).

1.The **North Eastern Electric Power Corporation Limited** (hereinafter referred to as **NEEPCO),** a Government of India Enterprise established under Companies Act, 1956 came into existence on 2nd April, 1976 with its Headquarters at Shillong, Meghalaya.

2.The Petitioner is having power stations/projects at different states/locations of the North Eastern Region of the country. The **Panyor Lower Hydro Power Station (405 MW)** (hereinafter referred to as **PLHPS**) is one of such generating stations located at "Papumpare District of Arunachal Pradesh" having an installed capacity of **405** MW.

3. The generating station comprises of three units of **135** MW each and is a run of the river scheme with pondage, having a Head Race Tunnel and a surface Power House. The tail race discharge of the generating station is diverted to Dikrong River through an open channel of 56 meters length. The date of commercial operation of the three units of the generating station are as under:

Units	Actual COD
I	12.2.2002
II	12.2.2002
III / Generating Station	12.4.2002

4.It is submitted that the electricity generated from **PLHPS** is being supplied to the respondents 1-7 mentioned herein above.

5. The Annual Design Energy of the **PLHPS** is **1293.73 Mu.**

6. The Hon'ble Commission has determined the tariff of **PLHPS** for the period 01.04.2019 to 31.03.2024 and approved the Annual Fixed Charges (AFC) for the tariff period 2019-24 vide its order dated **15.12.2022** in Petition No. **233/GT/2020** in accordance with the Central Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2019.-**Annexure-B.**

7. **Capital Cost**: The capital cost as on 31.03.2019 admitted for the purpose of tariff by the Commission in the above order was Rs. **148944.31 lakh** .

The Petitioner has submitted final truing up Petition for **PLHPS** for revision of Annual Fixed Charges (AFC) for the period of 01.04.2019-to 31.03.2024 on account of actual capital expenditure incurred during the said period.

8. The Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 (hereinafter referred to as Tariff Regulations, 2024), which have come into force with effect from 01.04.2024, specifying the terms & conditions and methodology for determination of tariff for a period of 05 (five) years from 01.04.2024 to 31.03.2029. The Petitioner is filing the present petition for determination of tariff for **PLHPS** for the period of 01.04.2024 to 31.03.2029 as per the said Tariff Regulations, 2024.

9. Regulation 9(2) of the Tariff Regulations 2024 states about application for determination of tariff for the period 1st April 2024 to 31st March 2029, which is extracted as below:

"(2) In case of an existing generating station or unit thereof, or transmission system or element thereof, the application shall be made by the generating company or the transmission licensee, as the case may be, by 30.11.2024 , based on admitted capital cost including additional capital expenditure already admitted and incurred up to 31.3.2024 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period 2024-29 along with the true up petition for the period 2019-24 in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2019."

10. The Annual Fixed Cost (AFC)for **PLHPS** for the period of 2024-29 have been worked out in terms of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 as under (Part – II, Form -1):

₹ in lakh

Financial year	2024-25	2025-26	2026-27	2027-28	2028-29
AFC	36010.45	36905.79	38009.35	39215.62	40542.23

11. The above AFC is exclusive of any taxes, duties, cess etc., if any, imposed/levied by the appropriate authorities. Any such tax, cess etc. levied on NEEPCO in relation to generation and supply/distribution of electricity and payable accordingly shall be recoverable from the beneficiaries in proportion to their Annual Capacity Charges.

12. Details of the projected Additional Capital Expenditure during the period 2024-29 claimed under the relevant clauses of the Tariff Regulations, 2024 are detailed in the attached Form 9 (A) of Tariff Form enclosed as **Annexure-I** .

13. **Security expenses**: In terms of Tariff Regulation-2024, Clauses 34 and 36 of Chapter-8 (Computation of Annual Fixed Cost), the Petitioner humbly submits the

projected/estimated security expenses year wise for deployment of security as follows for acceptance of the Hon'ble Commission:

FINANCIAL YEAR	AMOUNT (in Rs. Lakh)
2024-25	425.00
2025-26	446.25
2026-27	468.56
2027-28	491.99
2028-29	516.59

14. It is submitted that the petitioner has paid the requisite filing fee in compliance of Regulation 3 of CERC (Payment of Fees) Regulation 2012 amounting to ₹ 90,28,800/- deposited through SAUDAMINI e-filling portal for payment of annual application fees for determination of Tariff for the FY 2024-25 and detail of the same has been communicated to the Hon'ble Commission vide letter no. NEEPCO/ED/COMML/F-41/2024-25/42 dtd 10/04/2024 in respect of generating stations of NEEPCO. Copy of the letter is attached (**Annexure - C**).

The details of documents annexed to this petition are given in the Index.

PRAYER

The petitioner, therefore, most humbly prays that the Hon'ble Commission may kindly be pleased to:

i. Approve the tariff in respect of **PLHPS** for the period of 01.04.2024 to 31.03.2029 and allow recovery of arrears from the beneficiaries, if any, on account of revision of tariff.

ii. Allow recovery of Security Expenses .

iii. Allow recovery of filing fees relating to the period of 2024-29 from the beneficiaries as and when the same paid to the Hon'ble Commission.

iv. Allow recovery from the beneficiaries the publication expenses incurred with regard to this petition.

v. Allow to recover from the beneficiaries any levies, tax, cess etc., if any, as mentioned in paragraph 11 above.

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

THROUGH

(Ripunjoy Bhuyan)
CGM (Commercial), NEEPCO
Place: Delhi
Dated:

PART-II

Checklist of Forms and other information/ documents for tariff filing for Hydro Stations (PLHPS)

Form No.	Title of Tariff Filing Forms (Hydro)	Tick
FORM- 1	Summary of Tariff	Yes
FORM -1 (I)	Statement showing claimed capital cost	Yes
FORM -1 (II)	Statement showing Return on Equity	Yes
FORM-2	Details of COD, Type of hydro station, Normative Annual Plant Availability Factor (NAPAF) & Other normative parameters considered for tariff calculation	Yes
FORM-3	Salient Features of Hydroelectric Project	Yes
FORM- 4	Details of Foreign loans	NA
FORM- 4A	Details of Foreign Equity	NA
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	Yes
FORM-5A	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects	NA
FORM-5B	Break-up of Capital Cost for Hydro Power Generating Station	NA
FORM-5C	Break-up of Capital Cost for Plant & Equipment	NA
FORM-5D	Break-up of Construction/Supply/Service packages	NA
FORM-5Ei	In case there is cost over run	NA
FORM-5Eii	In case there is time over run	NA
FORM- 6	Financial Package up to COD	NA
FORM- 7	Details of Project Specific Loans	NA
FORM- 8	Details of Allocation of corporate loans to various projects	NA
FORM-9A	Statement of Additional Capitalization after COD	Yes
FORM 9B	Statement of Additional Capitalization during end of the Project	NA
FORM 9Bi	Details of Asset De-capitalized during the period	Yes
FORM- 9C	Statement showing reconciliation of ACE claimed with the capital additions as per books	Yes
FORM- 9D	Statement showing items/assets/works claimed under Exclusions	Yes
FORM- 9E	Statement of Capital cost	Yes
FORM- 9F	Statement of Capital Woks in Progress	Yes

Form No.	Title of Tariff Filing Forms (Hydro)-PLHPS	Tick
FORM- 10	Financing of Additional Capitalization	Yes
FORM- 11	Calculation of Depreciation on original project cost	Yes
FORM- 12	Statement of Depreciation	Yes
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	Yes
FORM- 13A	Calculation of Interest on Normative Loan	Yes
FORM- 13B	Calculation of Interest on Working Capital	Yes
FORM- 13C	Non-Tariff Income	Yes
FORM- 13D	Incidental Expenditure during Construction	NA
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	NA
FORM- 14A	Actual cash expenditure	NA
FORM- 15A	Design energy and peaking capability (month wise)- ROR with Pondage/Storage type new stations	Yes
FORM- 15B	Design energy and MW Continuous (month wise)- ROR type stations	Yes
FORM- 16	Statement of Liability Flow	Yes
FORM- 17	Operation & Maintenance Expense	Yes
FORM- 18	Details of Statutory Charges	Yes
FORM- 19	Summary of issue involved in the petition	NA

PART-II
FORM- 1

Summary Sheet

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION
Place : Region - North Eastern Region
State -

(Rs. in Lakh)

S. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2		3	4	5	6	7
1.1	Depreciation	1640.60	1434.47	1547.78	1558.36	1616.65	1754.16
1.2	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00
1.3	Return on Equity [1]	15417.19	14894.74	14876.84	14903.23	14992.61	15132.29
1.4	Interest on Working Capital	901.33	782.07	765.16	736.13	782.80	935.96
1.5	O & M Expenses	9366.86	12095.80	12672.44	13276.47	13928.30	14572.30
1.6	ANNUAL FIXED COST BEFORE SECURITY EXPENSES, CAPITAL SPARES AND WATER CHARGES	27323.48	29527.88	29858.22	30474.14	31260.76	32393.62
1.7	Security Expenses		468.40	492.26	465.63	497.07	515.38
1.8	Water Charges		0.00	0.00	0.00	0.00	0.00
1.9	Capital Spares		0.00	0.00	0.00	0.00	0.00
2	TOTAL AFC	27323.48	29996.28	30350.48	30939.78	31748.73	32778.00

Note:
1 Details of calculations, considering equity as per regulation, to be furnished.

(Petitioner)

FORM- 1(I)

Statement Showing Claimed Capital Cost (A+B)

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

Rs. in Lakh

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Opening Capital Cost	148944.31	151752.22	152027.57	153326.80	156277.16
2	Add: Addition during the year/period	2766.42	376.42	1312.51	3045.32	3372.99
3	Less: Decapitalisation during the year/period	40.54	0.00	0.00	66.60	40.54
4	Less: Reversal during the year/period	0.00	0.00	3.72	0.00	0.00
5	Add: Discharges during the year/period	86.34	0.00	0.00	0.00	39.43
6	Closing Capital Cost	151752.22	152027.57	153326.80	156277.16	159624.23
7	Average Capital Cost	150348.26	151889.89	152677.18	154801.98	157950.70

Statement showing claimed capital cost eligible for R.o.E at normal rate (A)

In Lakh

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Opening Capital Cost	148944.31	149650.02	149706.69	149802.32	150870.79
2	Add: Addition during the year/period	664.22	157.74	108.91	1163.43	1261.65
3	Less: Decapitalisation during the year/period	40.54	0.00	0.00	66.60	40.54
4	Less: Reversal during the year/period	0.00	0.00	3.72	0.00	0.00
5	Add: Discharges during the year/period	86.34	0.00	0.00	0.00	39.43
6	Closing Capital Cost	149650.02	149706.69	149802.32	150870.79	152106.52
7	Average Capital Cost	149297.16	149678.35	149754.50	150336.55	151488.65

Statement showing claimed capital cost eligible for R.o.E at weighted average rate of interest on actual loan portfolio (B)

In Lakh

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Opening Capital Cost	0.00	2102.20	2320.88	3524.48	5406.37
2	Add: Addition during the year/period	2102.20	218.68	1203.60	1881.89	2111.34
3	Less: Decapitalisation during the year/period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year/period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year/period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	2102.20	2320.88	3524.48	5406.37	7517.71
7	Average Capital Cost	1051.10	2211.54	2922.68	4465.43	6462.04

PART-I
FORM-1(IIA)

STATEMENT SHOWING RETURN ON EQUITY AT NORMAL RATE:

Name of the Petitioner :	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	
Name of the Generating Station :	PANYOR LOWER HYDRO POWER STATION	
Place (Region/District/State):	North Eastern Region	

(Amount in lakhs)

Sl.	Particulars	Unit	2019-20	2020-21	2021-22	2022-23	2023-24
1	2		3	4	5	6	7
	Return on Equity						
1	Gross Opening Equity (Normal)	Rs Lakh	73761.66	73,974.57	74,021.89	74,053.44	74,382.49
2	Less: Adjustment in Opening Equity	Rs Lakh	-	-	-	-	-
3	Adjustment during the year	Rs Lakh	-	-	-	-	-
4	Net Opening Equity (Normal)	Rs Lakh	73,761.66	73,974.57	74,021.89	74,053.44	74,382.49
5	Add: Increase in equity due to addition during the year / period	Rs Lakh	199.27	47.32	32.67	349.03	378.50
6	Less: Decrease due to De-capitalisation during the year / period	Rs Lakh	12.16	-	-	19.98	12.16
7	Less: Decrease due to reversal during the year / period	Rs Lakh	-	-	1.12	-	-
8	Add: Increase due to discharges during the year / period	Rs Lakh	25.90	-	-	-	11.83
9	Net closing Equity (Normal)	Rs Lakh	73,974.57	74,021.89	74,053.44	74,382.49	74,760.66
10	Average Equity (Normal)	Rs Lakh	73,868.06	73,998.23	74,037.67	74,217.97	74,571.57
11	Rate of ROE	%	19.99%	19.993%	19.993%	19.993%	19.993%
12	Total ROE	Rs Lakh	14,768.44	14,794.47	14,802.35	14,838.40	14,909.09

	Return on Equity (Base Rate) (f)	%	16.5%	16.5%	16.5%	16.5%	16.5%
	Effective Tax rate	%	17.472	17.472	17.472	17.472	17.472
	Rate of ROE	%	19.993	19.993	19.993	19.993	19.993

(Petitioner)

PART-I
FORM-1(II)

STATEMENT SHOWING RETURN ON EQUITY AT WAROI

Name of the Petitioner :	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.				
Name of the Generating Station :	PANYOR LOWER HYDRO POWER STATION				
Place (Region/District/State):					

(Amount in lakhs)

Sl.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
	Return on Equity (beyond the original scope of work excluding additional capitalization due to Change in Law)					
1	Gross Opening Equity (Normal)	0.00	530.66	695.26	1057.34	1621.91
2	Less: Adjustment in Opening Equity					
3	Adjustment during the year					
4	Net Opening Equity (Normal)	0.00	530.66	695.26	1057.34	1621.91
5	Add: Increase in equity due to addition during the year / period	530.66	65.60	361.08	564.57	633.40
6	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
7	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
8	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
9	Net closing Equity (Normal)	530.66	695.26	1057.34	1621.91	2255.31
10	Average Equity (Normal)	315.33	663.46	876.80	1339.63	1938.61
11	Rate of ROE	11.511	11.511	11.511	11.511	11.511
12	Total ROE	36.30	76.37	100.93	154.21	223.16

Return on Equity (Base Rate) (i)	9.50%	9.50%	9.50%	9.50%	9.50%
Effective Tax rate	17.472	17.472	17.472	17.472	17.472
Rate of ROE	**11.511**	**11.511**	**11.511**	**11.511**	**11.511**

(Petitioner)

PART-II
FORM-2

Details of COD, Type of Hydro station, Normative Annual Plant Availability Factor (NAPAF) & Other normative parameters considered for tariff calculation

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

Year Ending March

	Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Installed Capacity	MW	405	405	405	405	405	405
2	Free power to home state	%	12	12	12	12	12	12
3	Free power under Local Area development Fund (LADF)							
4	Date of commercial operation (actual/anticipated)							
	Unit - 1		2/12/2002					
	Unit - 2		2/12/2002					
	Unit - 3		4/12/2002					
5	Type of Station							
	a) Surface / underground		Surface					
	b) Purely ROR / Pondage / Storage		ROR with Pondage					
	c) Peaking / non-peaking		Both					
	d) No. of hours of peaking		Minimum 3 Hours					
	e) Overload capacity (MW) & period		414 MW Continuous					
6	Type of excitation							
	a) Rotating exciters on generator							
	b) Static excitation		Static	Static	Static	Static	Static	Static
7	Design Energy (Annual) [1]	GWh	1509.69	1293.73				
8	Auxiliary Consumption including Transformation losses	%	1.00					
9	Normative Plant Availability Factor (NAPAF)	%	85.00	88.00				
9.1	Maintenance Speres for WC	% of O&M						
9.2	Receivables for WC	in Months						
9.3	Base Rate of Return on Equity	%						
9.4	Base Rate of Return on Equity on Add. Capitalization							
9.5	Tax Rate [2]	%						
9.6	Effective Tax Rate [4]							
9.7	SBI Base Rate + 350 basis points as on [3]	%						

1. Month wise 10 - day Design energy figures to be given separately with the petition.
2. Tax rate applicable to the company for the year FY 2018 - 19 should also be furnished.
3. Mention relevent date
4. Effective tax rate is to be computed in accordance with Regulation 31 i.e. actual tax (or advance tax)/ gross income, where gross income refers the profit before tax.

PART-II
FORM-3

Salient Features of Hydroelectric Project

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

1. Location	
State / Distt.	Arunachal Pradesh/Papum Pare & Keyi Panyor
River	Panyor River (Formerly Ranganadi River)
2. Diversion Tunnel	
Size, shape	6.8 m Dia, Modified Horse Shoe Shape
Length (M)	10.13 km
3. Dam	
Type	Concrete Gravity Dam
Maximum dam height (M)	68 m
4. Spillway	
Type	Ogee
Crest level of spillway (M)	544 m
5. Reservoir	
Full Reservoir Level (FRL) (M)	567 m
Minimum Draw Down Level (MDDL) (M)	560 m
Live storage (MCM)	3.62 MCUM
6. De - silting Chamber	
Type	Nil
Number and Size	
Particle size to be removed (mm)	
7. Head Race Tunnel	
Size and type	6.8 m Dia, Modified Horse Shoe Shape
Length (M)	10.13 km
Design discharge (Cumecs)	160
8. Surge Shaft	
Type	Orifice Type
Diameter (M)	16 m
Height (M)	98 m
9. Penstock / Pressure shafts	
Type	Steel Liner with Backfilled Concrete
Diameter & Length (M)	5.8 m Dia & 915 m Length
10. Power House	
Installed capacity (No of units X MW)	3x135 MW
Type of turbine	Vertical Francis Turbine
Rated Head (M)	320 m
Rated Discharge (Cumecs)	160
Head at Full Reservoir Level (M)	322 m
Head at Minimum Draw down Level (M)	313 m
MW Capability at FRL	405 MW
MW Capability at MDDL	405 MW
11. Tail Race Tunnel / Channel	
Diameter (M), shape	48 m X 34 m Width & Trapezoidal (Inverted Slope)
Length (M)	56 m
Minimum tail water level (M)	245.10 m
12. Switchyard	
Type of Switch gear	AIS & GIS (Bus Reactor)
No. of generator bays	3
No. of Bus coupler bays	2
No. of line bays	6
Efficiency (overall) Turbine and generator	91.728

Note : Specify limitation on generation during specific time period (s) on account of restrictions on water use due to irrigation, drinking water, industrial, environmental considerations etc.

(Petitioner)

PART - II
FORM - 5

Abstract of Admitted Capital Cost for the existing Projects

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION, AP

Rs. In Lakhs

	Capital Cost as admitted by CERC	
a)	Capital Cost admitted as on 31-03-2019	**148,944.31**
	(Give reference of the relevant CERC Order with Petition No. & Date)	**Petition No. 233/GT/2020, 15th December, 2022**
b)	Foreign Component, if any (In Million US $ or the relevant Currency)	-
c)	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	-
d)	Total Foreign Component (Rs. Lakh)	-
e)	Domestic Component (Rs. lakh)	**148,944.31**
f)	Hedging cost, if any, considered for the admitted Capital cost (Rs Lakh)	-
	Total Capital cost admitted (Rs. Lakh) (d+e+f)	148,944.31

(Petitioner)

Year wise Statement of Additional Capitalisation after COD

2019-24

NAME OF THE PETITIONER: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

PART-II

FORM- 9A

NAME OF THE STATION: PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH

Sl. No.	Head of Work/Equipment	ACE Claimed (Actual/Projected)			IDC included in col.3	Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis (Rs in lakh)	Un-discharged Liability included in col.3 (DNB)	Cash basis				
1	2	3	4	5=3-4	6	7	8	9
	2019-2020							
1	Construction Of Boundary Wal Along Trans Arunachal Highway	72.77	-	72.77	-	25 (3)(d)	The boundary wall was Constructed for the safety and Higher Security of the Dilerang Power house and offices. As per IR report 2013	
2	Construction Of Upstream Side Wing Wall Of Intake Structure To Protect The Intake Approach	214.67	-	214.67	-	76 &77 to relax 35 (1) (d)	The Main Wing wall surrounding the Intake Tunnel which had collapsed was constructed for the protection/cover of the tunnel so that the main tunnel is protected from the Reservoir water. Approved by CERC in 2019-20 under Regulation 76 & 77 for an amount of ₹ 2.07 Cr. However there is no advisory from the statutory authorities . Pleaded to relax the Clause 26(1)(d)	207.10
3	Capital Maintenance Of Surge Shaft Gate & Hoist System	94.14	-	94.14	-	76 &77 to relax 26 (1) (d)	Capital maintenance of Surge Shaft Gate and its hoist mechanism are essential for plant safety, operation and maintenance. There is no valve house in this plant to take up any maintenance activity in powerhouse. As per "IS 12633 (1989), Clause 3.1.3, Page - 1"	
4	Capital Maintenance Of Surge Shaft Gate & Hoist System	4.91	-	4.91	-	76 & &&77 to relax26 (1) (d)	Capital maintenance of Surge Shaft Gate and its hoist mechanism are essential for plant safety, operation and maintenance. There is no valve house in this plant to take up any maintenance activity in powerhouse. As per "IS 12633 (1989), Clause 3.1.3, Page - 1"	
5	Procurement of Steel Wire Rope For Surge Shaft Gate	10.89	-	10.89	-	76 &77 to relax 26 (1) (d)	Capital maintenance of Surge Shaft Gate and its hoist mechanism are essential for plant safety, operation and maintenance. There is no valve house in this plant to take up any maintenance activity in powerhouse. As per "IS 12633 (1989), Clause 3.1.3, Page - 1"	
6	Capital Maintenance Of Three Units	214.66	-	214.66	-	25 (2) (a)	Profuse water leakage was from MIV seals resulting in energy loss. Due to excessive water leakage underwater maintenance of Turbine could not be carried out in the	
7	Of MIV & Associated Parts &	134.23	-	134.23	-			
8	Capital Maintenance Of One Unit Of Turbine & Associated Works (Turbine No-02)	71.39	-	71.39	-	25 (2) (a)	The Hydro Turbine was commissioned in the year 2002. As per O&M manual of BHEL, maintenance of plant was carried out periodic maintenance, weekly checks, monthly checks, quarterly checks, half yearly checks and annual checks since commissioning of the plant. Over the years, erosion and wear of the parts were detected in 2017-18 AFM. As per the O&M manual Section-VI clause 6.6 major rectification works involving capital maintenance is recommended. This works were carried out during opportunity shutdown in respect of MIV repairing works. This resulted in reducing the outage and increased generation performance.	
9	Rewinding Of Cooling Water Pumps	76.28	-	76.28	-	25(2)(d)	The Hydro Turbine was commissioned in the year 2002. As per O&M manual of BHEL, maintenance of plant was carried out periodic maintenance, weekly checks, monthly checks, quarterly checks, half yearly checks and annual checks since commissioning of the plant. Over the years, erosion and wear of the parts were detected in 2017-18 AFM. As per the O&M manual Section-VI clause 6.6 major rectification works involving capital maintenance is recommended. This works were carried out during opportunity shutdown in respect of MIV repairing works. This resulted in reducing the outage and increased generation performance. Allowed by CERC vide petition no. 333/GT/2018 Dtd. 07-06-2021	

10	Procurement Of Motorised Pumps, Electrical Control Panels & Pneumatic Grease Refilling Pumps	35.22	-	35.22	-	35(2)(c)	The existing grease pump with panel was defunct and was also obsolete. After installation of new greasing system with pump, proper and adequate greasing was observed in MIV trunnion and other rotating parts of MIV leading to smooth and troublefree operation of MIV and guide apparatus also. This resulted in reducing the outage and increased generation performance.	

P-II, FORM- 9A

11	Raising Of Tail Pool Walls For Safety Of Power House & Switchyard	50.31	-	50.31	-	35(2)(d)	Allowed by CERC during 2019-19 for an amount of ₹71.77 Lakh vide order dtd 07.06.2021 in Petition No.273/GT/2019. The free board was increased for safety of the Powerhouse. As per "Guidelines for renovation and modernization of hydro power station". Clause no. 1.3.11 P-7	
12	Water Mist Fire Tender (Tata Xenon)	21.11	-	21.11	-	26(1)(d)	New Water mist fire tender procured for safety of the plant. As per record note of discussion Risk Management of RHEP Dtd. 25.10.2018	
13	145 KV, Single Pase, 1250A Isolators & 145KV, 3Core, 200/1A CTs	14.37	-	14.37	-	26(1)(d)	To arrest over voltage during light load/No load period in 400 kV network of NER, it was decided in NERPC meeting to convert one of the Line Reactor of PLHPS as Bus Reactor. To achieve this NGR of the Reactor needs to be bypassed for safety of the Circuit Breaker during single phase fault of the line. Therefore, the single phase line Isolator was connected to both the Reactors. As per CEA guideline 2010, Clause-46(2)(b)(c)	
14	Supply, Installation, Testing & Commissioning Of Standalone Disturbance Recorder (DR) & Event Logger (EL) For All GE Make Micom Numerical Relays	42.00	-	42.00	-	26(1)(d)	It was proposed to install the standalone DR & EL system with the integration of Existing GE make Micom Numerical relays in order to meet the statutory Grid requirement and for long term storage of DR & EL Fault analysis(w.r.t MoM Dtd. 11/09/2018) As per CERC requirement, Regulation Clause No. 6.6.2 & 6.6.3 of Part-4 of CERC (IEGC Regulation) 2010 & CEA Notification No. CEA/TETD/MP/R.01/2010 Dtd. 20-09-2010, Part-III, Section 4 (d).	
15	Construction Of Check Dam At Abdullah Nallah, 200 M Above The Intake Bridge, 41 KM, Yazali, A.P	21.09	-	21.09	-	26 (1)(d)	The check dam was constructed at Abdullah Nallah, a major tributary of the Ranganadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per Environment Appraisal from Deptt. of Environment, GoI	15.00
16	Construction Of Gabion Structure For Retaining Earth On Intake Road Near Reservoir (Ch: 0.00 M - 55.00 M), RHEP, 41 KM, Yazali, A.P	11.57	-	11.57	-	26 (1) (D)	1. The protection wall was constructed to check the erosion of soil in the banks of the Reservoir so that the eroded soil do not add to the silation of the Reservoir. As per Environment Appraisal from Deptt. of Environment, GoI 2. For providing adequate safety of access road and for allowing passage of plant machinery for emergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
17	Construction Of Sausage Wall For Protection Of Soil Erosion At Radhe Nallah, Pitaphool, Yazali, A.P	5.22	-	5.22	-	26 (1) (d)	The protection wall was constructed to check the erosion of soil in the banks of the Reservoir so that the eroded soil do not add to the silation of the Reservoir. As per Environment Appraisal from Deptt. of Environment, GoI	
18	Air Circuit Breaker	29.71	-	29.71	-	25(2)(c)	After inspection by the original Supplier M/s Assam Electricals, the old MCCB & Air circuit breakers of English Electric Make Type-LM & M-Port have become obsolete and spares are not available(As per MoM Dtd. 22/07/2019 with the supplier).Due to ageing, the various mechanical parts,levers and linkages etc are affected and not performing properly.It was recommended by supplier to retrofit the old ACB's to have a reliable performance.The retrofitting testing and commissioning of Schneider Make ACB in place of existing English Electric Make ACB were carried out during opportunity shutdown. This resulted in reducing the outage and increased generation performance.	
19	Capital Maintenance Of One Unit Of Turbine & Associated Works In Water Conductor System Of Dikrong Power House (Turbine No-03)	72.43	-	72.43	-	25(2)(a)	The Hydro Turbine was commissioned in the year 2002. As per O&M manual of BHEL, maintenance of plant was carried out periodic maintenance, weekly checks, monthly checks, quarterly checks, half yearly checks and annual checks since commissioning of the plant. Over the years, erosion and wear of the parts were detected in 2017-18 APM. As per the O&M manual Section-VI clause 6.6 major rectification works involving capital maintenance is recommended. This works were carried out during opportunity shutdown in respect of MIV repairing works. This resulted in reducing the outage and increased generation performance.	

20	Trash Rack Cleaning Machine	1,045.49	-	1,045.49	-	26 (1)(d)	In 2017 due to huge deposition of debris in front of intake, the movement of water through WCS was restricted and generation was hampered. Thereafter, mechanical TRCM was installed for regular removal of debris from in the intake front. As per recommendation of 1. Assam state disaster management authority 2. CEA guidelines for hydro engineering and R&M division "Guidelines for renovation and modernization of Hydro power station, Clause 1.2.	
21	Dam Safety Monitoring System	340.57	-	340.57	-	76 &77 to relax 26 (1) (d)	For monitoring the health and status of the dam, Dam safety monitoring system was installed. Agreed by CERC in 2019-20 for an amount of ₹3.32 Cr under CERC Regulation 76 & 77. This is also a requirement of Dam Safety Act 2021, Clause-32	363.50
22	Construction Of Main Entry Gate With RCC Wall	10.94	-	10.94	-	26 (1)(d)	The main entry was Constructed for the safety and Higher Security of the Dikrong Power house and offices. As per IB report 2013	
23	Supply, Installation, Testing & Commissioning Of Motorized Automatic Sliding Gate For PH Store-I, RHEP	8.19	-	8.19	-	26 (1)(d)	For security,safety of materials and restriction of unauthorized person As per IB report 2013	
24	Supply , Installation, Testing & Commissioning Of Motorized Automatic Sliding Gate For PH Store 2, RHEP	7.74	-	7.74	-	26 (1)(d)	For security,safety of materials and restriction of unauthorized person As per IB report 2013	
25	Formation Cutting For Surge Shaft Road Re-Alignment At Chainage 1060.30 M - 1110.00 M From Trace-Arunachal Highway & Surge Shaft Road Tri-Junction At Hon. RHEP, A.P	15.24	-	15.24	-	26 (1)(d)	Surge Shaft road was constrained after complete damage of the original road in landslide during monsoon of 2022 as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Gabion Structure Garrison Quarry (Gr-III)	7.93		7.93		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Gabion Structure Near Garrison Quarry (Gr-II)	6.36		6.36		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Gabion Structure Along The Bank Of Pai Nallah(Gr-I)	8.82		8.82		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Gabion Structure Along The Bank Of Pai Nallah (Gr-II)	7.47		7.47		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Gabion Structure Along The Bank Of Pai Nallah (Gr-V)	7.73		7.73		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Gabion Structure Along The Bank Of Pai Nallah (Gr-IV)	7.30		7.30		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-VIII)	4.29		4.29		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-VI)	4.29		4.29		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-X)	4.12		4.12		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	

	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-IX)	4.30		4.30		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-VII)	4.20		4.20		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Toe Wall Along The Recently Repaired Stretch Of Pinpheol Dam Site Road Ch From 0.782 Km To 0.812 Km	4.29		4.29		76 &77 to relax 26 (1) (d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Boundary Wall To Seal The Gap Between Main Boundary Wall And Peripheral Fence Towards Colony Entry Side At Hse	2.90		2.90		76 &77 to relax 26 (1) (d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Protective Wall To Increase The Road Width Of Access Road To 400 KV Switchyard At Dikrong Power House	20.90		20.90		76 &77 to relax 26 (1) (d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of 3 Nos. Of Culvert Across The Approach Road To 62 KM Colony, RHEP, NEEPCO Ltd., Yoral, A.P	6.46	-	6.46	-	76 &77 to relax 26 (1) (d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Gabion Structure For Protection Of Toe In The Downhill Side Of Landslide Area Location At A Distance Of 200M Away From Gaurava Quarry Towards Dam, RHEP (Group-I & II)	26.88	-	26.88	-	76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Construction Of Open Shed Near Workshop At Dikrong Power House, Hoz, RHEP, A.P	26.87	-	26.87	-	76 &77 to relax 26 (1) (d)	Safe Storage of turbine and transformer oil.	
	TOTAL 19-20:	2,766.42	-	2,766.42				
	2020-2021							
1	CCTV Camera With Accessories	2.00	-	2.00	-	26 (1)(d)	Admitted by CERC FY'2019-2020 for an amount of ₹ 5 Lakhs. IB Report of 2013 enclosed.	5.00
2	Construction Of Permanent Duty Post At Main Entry Gate Of Dikrong Power House Complex	7.58	-	7.58	-	26 (1)(d)	Permanent Duty Post At Main Entry Gate is required for maintaining proper security of the campus. IB Report of 2013 enclosed.	

3	GE Make Numerical Line Differential Relay Type Micom P543S,ACOM07008 On IEC 61850 Protocol Along With IRIG-B Port (Store Materials Capitalized)	11.38	-	11.38	-	26 (1)(d)	As per the CERC Regulation, for short transmission line (below 10Km length) the differential protection has to be installed along with existing distance relay for the protection of line. As per record note of discussion of CEA National Power Committee in the 4th meeting of sub-group in respect of "Preparation of reliability standards for protection system and communication system" - regarding. In Annex-II Sl. no. 1, very short line [<10 km] line differential protection is mandatory. As such Part-I & Part II Feeder Comes under this regulation as because line length of these two feeder are below 10Km. Therefore it is mandatory to install the line differential relay in the mentioned two feeder.Same has been discussed in Minute of 52nd Protection Co-ordination sub-committee meeting of NERPC It was decided that the 132 kV Rangandi Pare 2 line which is owned by DoP, AP, installation of LDP to be done by NEEPCO. Grid Requirement. It is as per CEA notification no. CEA/TETD/MF/06/01/2010 Dtd. 28-08-2010 Part No.III, Section 4(6).Allowed by CERC vide petition no. 273/GT/2019 Dtd. 07-06-2021	
4	Dam Safety Monitoring System (Remittance Received From HQ For December 2020 Against Installation Charges Of Dam Safety Monitoring System Control Room At HQ. HQ OLV No- 0222V01375)	2.66	-	2.66	-	76 & 77 to relax 26(1)(d)	For monitoring the health and status of the dam, Dam safety monitoring system was installed. Approved by CERC in 2019-20 for an amount of 63.00 Cr under CERC Regulation 76 & 77 to relax 26(1)(d) This is also a requirement of Dam Safety Act 2021	
5	Construction Of Check Dam At Tow Koro (Below 43 KM Market), 43 KM, Yazali, A.P	9.40	-	9.40	-	26 (1) (D)	The check dam was constructed at Tow Koro Nallah, a major tributary of the Ranganadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per Environment Appraisal from Deptt. of Environment, GoI	
6	Construction Of 20 Bedded Permanent Security Barrack At Dam Site, 41 KM, RHEP, Yazali, A.P	51.06	-	51.06	-	26(1)(d)	Constructed for providing round the clock security arrangement at Dam site and preventing entry of unauthorized trespass, vandalism and sabotage to the Dam works. As per IB report 2013	
7	Construction Of 2nd phase Protection Work (Gabion Structure) At Right Bank Of Dam Site, RHEP, A.P	28.59	-	28.59	-	26(1)(d)	The protection wall was constructed to check the erosion of soil in the banks of the Reservoir so that the eroded soil doesnot add to the silting of the Reservoir. As per Environment Appraisal from Deptt. of Environment, GoI	
8	Construction Of RCC Drain With Cover Slabs Opposite Of Intake Gate, Ch. 0.00M - 60.00M, Damsiba, RHEP	9.74	-	9.74	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for emergent repair as per Crisis and Disaster Mangement Plan, Clause 2.1, Page No. 6.	
9	Supply, Installation, Testing & Commissioning Of Motorized Automatic Sliding Gate For Main Colony Gate At Dikrong Power House, RHEP, A.P.	7.15	-	7.15	-	26(1)(d)	The motorised automatic sliding gate was Constructed for the safety and Higher Security of the Dikrong Power house and employees on duty. As per IB Report of 2013.	
10	Construction Of Permanent A-Type Quarters (PA-1, PA-2 & PA-3) At Dikrong Power House, RHEP,Hoa, A.P.	51.35	-	51.35	-	76 &77 to relax 25(2)(a)	Permanent Residential setup at power house site is required to ensure round the clock Operation and maintenance of the power house and other installations from Power house site itself. During monsoon period for efficient O&M of power house and allied structures a permanent set up is felt essential near Power house. Allowed by CERC in 2020-21 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
11	Construction Of Permanent A-Type Quarters (PA-1, PA-2 & PA-3) At Dikrong Power House, RHEP,Hoa, A.P.	39.80	-	39.80	-	76 &77 to relax 25(2)(a)	Permanent Residential setup at power house site is required to ensure round the clock Operation and maintenance of the power house and other installations from Power house site itself. During monsoon period for efficient O&M of power house and allied structures a permanent set up is felt essential near Power house. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	

12	Primary Frequency Response Test Of All Three Units Of Dikrong Power House, RHEP As Per IRGC Clause 5.2 (G)	11.93	-	11.93	-	26(1)(d)	As Per to 5th amendment to CERC notification no. No. L-1/18/2010-CERC Dtd. 12-04-2017,Regulation 5.2 (g) of part 5. Provided Periodic checkup of primary frequency response test of governor by third party should be conducted at regular interval in every two year. GRID REQUIREMENT.	
13	Deputation Of BHEL Expert For HMC Tuning Of All Three Units Of Dikrong Power House, RHEP	8.68	-	8.68	-	26(1)(d)	As per CERC notification no. No. L-1/18/2010-CERC Dtd. 12-04-2017,Regulation 5.2 (g) of part 5, the primary frequency response test of generator carried out at a regular interval once in two year through independent agencies which is M/s Selvira India Pvt Ltd as per grid requirement .In order to carry out Primary Frequency Response Test, HMC Tuning of all three unit are required for smooth response of governor during testing.Therefore Deputation of BHEL Expert required for HMC Tuning.	
14	2 Nos. Of LP Lube Oil Cooler Assembly (System) (Store Materials Capitalized)	53.96	-	53.96	-	25(2)(a)	As per OEM Hydro Generator manual,Annexure-VIII,Section 7.3,clause 1(f),the L.P Lub Oil cooler has to be changed if there is any leakage found.This works were carried out during opportunity shutdown. This resulted in reducing the outage and increased generation performance.	
15	Construction Of Cement Concrete Pavement To Improve The Road Gradient Of Access Road To 400 KV Switchyard, Power House	12.65	-	12.65	-	76&77 to relax 25(2)(d)	During the raising of tailpool wall , approach to tailpool bridge was also raised. Subsequently approach gradient to 400kv switchyard was reduced for movement of Mobile Crane. Allowed by CERC during 2018-19 for an amount of ₹11.77 Lakh The free board was increased for safety of the Powerhouse.This work is essential for carrying out tailpool wall. As per "Guidelines for renovation and modernization of hydro power stations", Clause no. 1.3.11 P-7	
16	WBM For New Formation Cutting Of Surge Shaft Road Re-Alignment At Chainage 1000.00 To 1180.00 From Surgeshaft Approach Pole At Site	7.12	-	7.12	-	26(1)(d)	For providing adequate safety of access road and for allowing passage of plant machinery for emergency repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page 5	
17	250 KVA DG Set, Accretion	22.00	-	22.00	-	26(1)(d)	DG set procured for uninterrupted power supply to Dam & Intake operation in the event of failure of Grid Power As per SOP for Dam operation Clause 7.5	
18	Construction Of CC Drain & Toe Wall Along Surge Shaft Road At Chainage 1060.00M To 1120.00M From Gate At Surge Shaft, Dikrong Power House (Group -I)	13.35	-	13.35	-	26(1)(d)	For providing adequate safety of access road and for allowing passage of plant machinery for emergency repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page 6	
	Construction Of Breast Wall Along Pingpol Damsite Road From Ch. 900.00M To 968.00M At RHEP Dam Main Gate, Yazali, A.P (Group-I)	8.78	-	8.78		76 &77 to relax 26 (1) (d)	For providing all weather access to colony and offices	
	Construction Of Breast Wall Along Pingpol Damsite Road From Ch. 968.00M To 1053.00M At RHEP Dam Main Gate, Yazali, A.P (Group-II)	8.71	-	8.71		76 &77 to relax 26 (1) (d)	For providing all weather access to colony and offices	
	Construction Of Breast Wall Along Pingpol Damsite Road From Ch. 1053.00M To 1112.00M At RHEP Dam Main Gate, Yazali, A.P (Group-III)	8.74	-	8.74		76 &77 to relax 26 (1) (d)	For providing all weather access to colony and offices	
	TOTAL 20-21	376.42	-	376.42				

	2021-2022							
1	Construction Of CC Approach Road To Ferry Ghat Road (Near DG Set, Right Bank), 41 KM, Yonfi, A.P	5.52	-	5.52	-	26(1)(d)	Constructed for providing alternate accessibility to Dam site in line with DSRP Report, Clause 5.1, Page No. 10.	
2	Construction Of Gabion Wall For Slope Protection At Left Bank Of Dam Road, 41 KM, Yonfi, A.P	4.00	-	4.00	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
3	Construction Of RCC Drain Along Pitapool Dam-Site Road From Ch.216.01M To 450.80M Towards Pitapool, RHEP, A.P (Ch. 0.00 At Abandoned Gammon Quarry), Group - II	10.37	-	10.37	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
4	Construction Of 2nd Phase Protection Work (Gabion Structure) At Right Bank Of Dam Site, RHEP, A.P (Deviated Amount)	2.45	-	2.45	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
5	Construction Of Retaining Wall Along Pitapool Dam Road From Ch. 226.20M To Ch. 241.40M Towards Pitapool (Ch. 0.00M At Abandoned Gammon Quarry)	14.90	-	14.90	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
6	4 Nos. Of "Lyon Make" Non-Recording Rain Gauge (Model - LM-17-400)	0.47	-	0.47	-	26(1)(d)	In line with Dam Safety Act, 2021 Clause 33, Page No. 11.	
7	Installation & Commissioning Of GE Make Numerical Line Differential Relay Type Micom P543/01ACSM/799M, On IEC 61850 Protocol Along With IRIG-B Port (Store Materials)	0.89	-	0.89	-	26 (1)(d)	As per the CERC Regulation, for short transmission line (below 10Km length) the differential protection has to be installed along with existing distance relay for the protection of line. As per record note of discussion of CEA National Power Committee in the 4th meeting of sub-group in respect of "Preparation of reliability standards for protection system and communication system" - regarding. In Annex-II Sl. no. 1, very short line (<10 km) line differential protection is mandatory. As such Pare-I & Pare II Feeder Comes under ith regulation as because line length of these two feeder are below 10Km. Therefore it is mandatory to Install the line differential relay in the mentioned two feeder.Same has been discussed in Minute of 52nd Protection Co-ordination sub-committee meeting of NERPC it was decided that for 132 kV Rangandi Pare 2 line which is owned by DoP, AP, installation of LDP to be done by NEEPCO. Grid Requirement. It is as per CEA notification no. CEA/TETD/MP/R/01/2010 Dtd. 20-08-2010 Part No.III, Section 4(a)	
8	Construction Of Cement Road From 33KV Sub Station Gate At Dikrang Power House, Roj, A.P. (600m)	47.02	-	47.02	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
9	Construction Of Cement Concrete Road From Gate Near Shiv Mandir To SFT-04 Junction Via IB & Health Centre Inside Dikrang Power House Colony, Mor (631.00 M)	49.38	-	49.38	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
10	Construction Of Cement Concrete Road For Main Entry Gate Of Dikrang Power House, Roj, A.P	4.30	-	4.30	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	

11	Construction Of CC Drain From Gate Near 33KV Substation To Catch Pit Above 400KV Switchyard At Dikrong Power House, Hoj, A.P (Ch. 0.00M To 210.00M)	9.20	-	9.20	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
12	Construction Of CC Drain From Power House Circular Road To Security Colony At Dikrong Power House, Hoj, A.P (Ch. 0.00M To 120.00M)	4.51	-	4.51	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
13	Peripheral Fencing For Permanent Quarters A1,A2 & A3 At Hoz, A.P	5.11	-	5.11	-	25(2)(b) & 76	Permanent Residential setup at power house site is required to ensure round the clock Operation and maintenance of the power house and other installations from Power house site itself. During monsoon period for efficient O&M of power house and allied structures a permanent set up is felt essential near Power house. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2023-23 for an amount of Rs. 3.0 Cr.	
14	Construction Of Plan-IV (5) Quarter At Power House, Hoz	27.91	-	27.91	-	25(2)(c) & 26(1)(d)	The Plan -IV buildings were Constructed in place of old temporary sheds for providing accomodation to Security personnels for round the clock security arrangement at Dikrong Power House Site. As per IB report 2013	
15	Construction Of Retaining Wall On Downhill Side Of Pimpool Dam Road From Ch. 210.00 M Towards Pimpool (Ch. 0.00M At Gamroo Quarry)	20.18	-	20.18	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
16	3 Phase Ratio & winding Resistance Analyzer With Laptop & Accessories (Make: Megger)	49.58	-	49.58	-	76 & 77 to relax 36(1)(d)	To ensure healthiness of equipments of Power house. As per gazette of India, Extraordinary (CEA notification No. CEA/TETD/MP/R41/2010 Dtd. 20.08.2010, Part-3, Section-4, Clause-90)	
17	Breast Wall & RCC Drain Along Pimpool Damsite Road	25.97	-	25.97	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
18	40 KM Colony Permanent CC Road	281.33	-	281.33	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
19	Dam Site Road Permanent CC Road	244.34	-	244.34	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
20	Box Culvert A/W Appr. Road & Prot. Work At Dam Rd.	28.34	-	28.34	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
21	Construction Of Plan-IV (10) Quarter At Power House, Hoz	27.92	-	27.92	-	25(2)(c) & 26(1)(d)	The Plan -IV buildings were Constructed in place of old temporary sheds for providing accomodation to Security personnels for round the clock security arrangement at Dikrong Power House Site. As per IB report 2013	
22	Construction Of Plan-IV (8) Quarter At Power House, Hoz	27.91	-	27.91	-	25(2)(c) & 26(1)(d)	The accommodations provided to the security personnels were of temporary CGI Sheet house that was constructed during project construction time and has become old and not liveable. The new plant -IV buildings were Constructed for providing accomodation of Security personnels for round the clock security arrangement at Dikrong Power House Site. As per IB report 2013	
23	Breast Wall & Drain along Pimpool Damsite road	17.80	-	17.80	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	

24	Protection Wall Along Reservoir, Below Market, 43 km	55.65	-	55.65	-	76(1)(d)	As per recommendation of GoI, MOF, CEA vide File No. CEA-HY-14-11/4/2019-HPPI Division, for raising of water level of reservoir, necessary catchment area treatment measures were taken	
25	Protection Wall At Left Bank Of Abdullah Nallah,41 KM	11.62	-	11.62	-	26(1)(d)	The protection wall was constructed to check the erosion of soil in the banks of the Abdullah Nallah so that the eroded soil doesnot add to the silation of the Reservoir. As per Environment Appraisal from Dept. of Environment, GoI	
26	Retaining Wall & Drain on the u/s & d/s of Right Bank of Dam, 41km	110.75	-	110.75	-	26(1)(d)	The protection wall & drain was constructed for slope protection and to check the soil erosion in the banks of the Dam. As per Environment Appraisal from Dept. of Environment, GoI	
27	Toe Wall At Hillside Of Approach RoadTo Executive Guest House Hee	14.87	-	14.87	-	76 to relax 25(2)(d)	Agreed by CERC in 2020-2021 for an amount of Rs. 1.5 Cr. for construction of Executive Guest House. Toe wall constructed for protection of hill slope of the approach road to Executive Guest House as per "IRC SP 48-1998 Hill roads manual Clause - 9.5"	
28	HSM Site Office At Dam Site, 41 KM	39.94	-	39.94	-	26(1)(d)	Constructed for proper and adequate monitoring and operation of Dam and Intake in line with Dam Safety Act, 2021, Clause 28,32,33	
29	RCC Roadside drain Near Intake Main Gate & Culvert , 41 KM	11.13	-	11.13	-	26(1)(d)	Constructed for providing adequate passage for movement of machinery for emergent repair of Intake equipments as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
30	Check Dam On Upstream Of Pangapo Nallah	15.17	-	15.17	-	26 (1)(d)	The check dam was constructed at Pangapo Nallah, a major tributary of the Rangandi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per Environment Appraisal from Dept. of Environment, GoI Allowed by CERC for an amount of Rs. 15 lakh during 2020-21	15.00
31	Check Dam At Arrobi Nallah	4.26	-	4.26	-	26 (1)(d)	The check dam was constructed at Arrobi Nallah, a major tributary of the Rangandi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. In line with DSRP Report Clause 3.3, Page No. 7 "and as per Environment Appraisal from Dept. of Environment, GoI	
32	Check Dam At Pei Nallah	17.42	-	17.42	-	26 (1)(d)	The check dam was constructed at Pei Nallah, a major tributary of the Rangandi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. In line with DSRP Report Clause 3.3, Page No. 7 "and Environment Appraisal from Dept. of Environment, GoI Allowed by CERC for an amount of Rs. 16 lac in the year FY 2019-20	1,00,000.00
33	Protection Work Alongside Diesel Power House Colony Road 43km	7.37	-	7.37	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for emergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
34	RCC Drain From Dam to Intake Steel Bridge, 41 KM	17.21	-	17.21	-	26(1)(d)	Constructed for providing adequate passage for movement of machinery for emergent repair of Intake equipments as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
35	PCC Drain & Cross Drain @ Approach Road To Executive Guest House Hee	5.18	-	5.18	-	25(2)(d)	Construction of Executive guest House allowed by CERC under Clause 25(2)(a) and 76 for an amount of ₹1.5 Cr.	
	HSM Retaining Wall	21.03	-	21.03		76 &77 to relax 26 (1) (d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for emergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
	Toe Wall With CC Drain At Back Side Of Pump House, Hee	27.01	-	27.01		76 &77 to relax 26 (1) (d)	For providing adequate safety of access road and for allowing passage of plant machinery for emergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page	
	Breast Wall & Drain Behind HSM Office 43 KM	20.04	-	20.04		76 &77 to relax 26 (1) (d)	For slope protection and flow of storm water in a definte path	
	TOTAL 21-33:	1,335.37	-	1,335.37	-			

	2022-2023				-			
1	CC Road & Drain Along Surge Shaft, Rou (1.8 KM length)	166.50	-	166.50	-	26(1)(c)	Surge Shaft road was constructed after complete damage of the original road in landslide during monsoon of 2022 as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
2	Protection Wall Along Reservoir & Behind SH0.43 KM	13.90	-	13.90	-	26 (1) (d)	As per recommendation of CEA, MOP, GoI vide File No.CEA-HY-14-11/4/2019-HPPI Division, for rising of water level of reservoir, necessary catchment area treatment measures were taken	
3	Protection Wall Behind Central Store At 43 Km	11.95	-	11.95	-	26 (1) (d)	As per recommendation of CEA, MOP, GoI vide File No.CEA-HY-14-11/4/2019-HPPI Division, for rising of water level of reservoir, necessary catchment area treatment measures were taken	
4	Boundary Fencing At Dam Top	14.96	-	14.96	-	26(1)(d)	The boundary fencing was Constructed at Dam top for the safety and Higher Security of the Dam and employees on duty As per IB Report of 2013.	
5	Protection Wall Near Total Station At D/S of Dam	21.17	-	21.17	-	26 (1) (d)	This work is done to protect the total station instrument installed for monitoring of the Dam movement. This is also a requirement of Dam Safety Act 2021, Clause 33	
6	Dumping Yard At Dam Site	47.32	-	47.32	-	26(1)(d)	Constructed for dumping and disposal of accumulated debris in the reservoir during flood in line with DSRP report Clause 9 (a) vi, Page No. 16.	
7	Ferry Ghat At DPH Site, 43 KM	11.18	-	11.18	-	26(1)(d)	Constructed for providing alternate accessibity to Dam site in line with DSRP Report, Clause 5.1, Page No. 10.	
8	DC Earth Fault Locator (Make-Scope)	5.50	-	5.50	-	26(1)(d)	In region with high rainfall and humidity, frequent DC earth faults in the Power House and Switchyards can significantly disrupt power generation. Manual fault-finding is time consuming due to the numerous circuits involved, leading to delay in fault rectification and subsequent generation losses. The implementation of a DC Earth Fault Locator significantly reduces fault-finding time, which in turn minimizes outages and enhances generation performance. By quickly identifying the location of faults, the DC Earth Fault Locator not only enables faster repairs but also reduces downtime, leading to more efficient power generation. To ensure healthiness of equipments of Power house. As per gazette of India, Extraordinary (CEA notification No. CEA/TETD/MP/R/01/2010 Dtd. 30.08.2010, Part-3, Section-4, Clause-46)	
9	Leakage Current Analyser for Surge Arrestor	17.41	-	17.41	-	26(1)(d)	As per the maintenance guideline, Monthly Leakage current needs to be checked at every lightning arrester installed at High Voltage system. This will enhance the reliability of the system and outage can be minimized due to failure of LA. As per gazette of India, Extraordinary (CEA notification No. CEA/TETD/MP/R/01/2010 Dtd. 30.08.2010, Part-3, Section-4, Clause-46)	
10	400KV, 4400PF Capacitive Voltage Transformer (CVT)	4.37	-	4.37	-	26(1)(d)	As per 160th CCC agenda Clause No. C(12) for charging of 400 kV Bus-A	
11	HeavyDuty Escort Make 17Ton Mobile Crane Model-P17	47.18	-	47.18	-	25(2)(e)	As per authorized statutory Testing/Inspection & Certification of Tools & Tackles recommended not to use existing 10 T Mobile Crane for lifting heavy loads/components. Test Report Enclosed.	
12	Breast Wall & RCC Drain Ch. 178.40 Dam Road	7.95	-	7.95	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for emergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
13	Field Hostel At Dam Site	71.36	-	71.36	-	26(1)(d)	The colony is located 10km away from Dam site. Road blockage during monsoon is difficult to reach Dam site and therefore for close monitoring and operation of Dam and Intake, the field hostel was necessitated in line with Dam Safety Act, 2021, Clause 21,32,33	
14	Permanent B- Type Residential Quarters, PH-06	42.12	-	42.12	-	76 to refer 26(2)(d)	The life of earlier semi-permanent type quarters constructed during Initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 8.0 Cr.	300.00

17	CC Road At Surge Shaft Road (850m)	64.43	-	64.43	-	26(1)(c)	Surge Shaft road was constructed after complete damage of the original road in landslide during monsoon of 2022 as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
								P-II, FORM- 9A
18	Permanent D- Type Residential Quarters, PB-07	42.12	-	42.12	-	26(2)(d)	The life of earlier semi-permanent type quarters constructed during initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
19	Protection Wall At Dam Intake Road	5.22	-	5.22	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
20	CC Road At Dam To Intake Road (0.00 M To 470.00 M)	72.28	-	72.20	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
21	Permanent Flat IV(3)- Type Residential Quarters	22.21	-	22.21	-	25 (a)	The accommodation provided to the security personnels were of temporary CGI Sheet house that was constructed during project construction time and has become old and not liveable. The new plant -IV buildings were Constructed for providing accomodation of Security personnels for round the clock security arrangement at Dikrong Power House Site. As per IB report 2013	
22	Check Dam At Parmar Nallah	15.94	-	15.94	-	26 (1)(d)	The check dam was constructed at Parmar Nallah, a major tributary of the Ranganadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. DSRP Report Enclosed, Page No. 13 Allowed by CERC for an amount of Rs. 16 lac in the year FY 2023-24	
23	Road With Protection Work Near Dumping Yard	51.91	-	51.91	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
24	Flat IV Quarter (6) Quarter At Hm	16.00	-	16.00	-	25 (a)(i)	The accommodation provided to the security personnels were of temporary CGI Sheet house that was constructed during project construction time and has become old and not liveable. The new plant -IV buildings were Constructed for providing accomodation of Security personnels for round the clock security arrangement at Dikrong Power House Site. As per IB report 2013	
25	132KV & 33/11 KV Sub-Station At Power House, Hm	309.37	-	309.37	-	25(7)(i)	The sub-station is required to provide a permanent setup for the Power supply in Power House & Dam gate Operation. The present sub-station is a temporary one. In response to the directions of the Commission, NEEPCO has clarified that subsequent to the commissioning of the project, the need for permanent 33 kV substation was felt in order to be able to provide Power to Dam which is situated at a distance of 30 km away from Power House. It has also stated that the existing substation is now affected by the construction of the then Arunachal highway as such the need for a permanent substation has come up now. Due to technical issues, the work couldnot be taken up during the tariff period 2014-2019. However, the work started in the year 2021 was completed on 14/09/2022. The expenditure on this asset was allowed for 282.78 Lakhs (300.00-17.27) under Regulation 14(3)(viii) of the 2014 Tariff Regulations under Petition No. 40/GT/2015,CERC.The gross value of old asset is considered as INR 17.27 lakh.	

24	53 MVA, 11/132 KV, 50 HZ, Single Phase GT	685.40	-	685.40	-	20(1)d	3x133 MW Pauyor Lower Hydro Power Station(Formerly Ranganadi HEP) was commissioned in the year 2002. There are 3(three) nos Turbine Generator set having a total of 9(nine) nos 53 MVA, 11/132 KV, 50 HZ, Single Phase Generator Transformer in operation for power evacuation.There is no spare GT for immediate replacement at the time of electrical failure.The lead time for design,manufacturing,assembling,testing & supply of a single Transformer is more than 7 months from the date of approval of GA drawing. Availability of spare GT shall help in faster restoration of Power Supply. It avoids delay in tendering process, transportation of new/repaired assets from manufacturer's works to site, and commission of financial loss to the affected utility by reducing the down time significantly and alleviate the inconvenience to the consumers, in general.Considering the criticality of the issue and to minimize outage period of any of the in service Generator Transformer(GT) and to save the downtime of Machine and generation loss and to maintain grid sagfety & stability, the procurement of 1(one) no. Spare GT for the Plant was done. Further, maintaining spare GT was as per minutes of meeting on Crisis & Disaster Management Plan taken up by Hon MeoP(Pt) vide Office Memorandum dtd 28/05/2019 Govt. of India,Ministry of Power.	
25	4 Nos. Of 225 KW Cooling Water Pump Motor Control Panel	40.26	-	40.26	-	25(2)d	Cost of Supply of Cooling Water Pump for Dikrong Power House was Approved in Truing up Order of 2014-19 against Petition No. 175/GT/2019 (Page-21). Pump Motor Control Panels were procured for facilitating commissioning of new cooling water system which were already approved as stated.	
26	LP Lub Oil Cooler, Make-BHEL	40.33	-	40.33	-	25(2)a	As per OEM Hydro Generator Manual,Annexure-VIII,Section 7.0,clause 8(b),the L.P Lub Oil cooler has to be changed if there is any leakage found.This works were carried out during opportunity shutdown. This resulted in reducing the outage and increased generation performance.	
27	4 Nos. Of Stator Air Cooler, Make-BHEL	111.71	-	111.71	-	25(2)a	As per OEM Hydro Generator manual,Annexure-VII,Section 4.5.0 & Section 6 Note :the stator Air cooler has to be replaced if 10% of tubes have been plugged due to leakage..This works was carried out during opportunity shutdown. This resulted in reducing the outage and increased generation performance.	
28	8 Nos. Of Tube Bundle for LP Lub Oil Cooler , Make-BHEL	215.30	-	215.30	-	25(2)c	As per OEM Hydro Generator manual,Annexure-VIII,Section 7.0,clause 8(b),the L.P Lub Oil cooler has to be changed if there is any leakage found.This works were carried out during opportunity shutdown. This resulted in reducing the outage and increased generation performance.	
29	DC Road & Drain Along Surge Shaft. Km (1 km)	168.12	-	168.12	-	26(1)(c)	Surge Shaft road was constructed after complete damage of the original road in landslide during monsoon of 2022. As per Crisis and Disaster Management Plan, Clause 2.3, Page No. 6.	
30	Check Dam At Dindu Nallah	16.53	-	16.53	-	26 (1)(d)	The check dam was constructed at Dindu Nallah, a major tributary of the Rangnadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 7 "and Environment Appraisal from Dept. of Environment, GoI Allowed by CERC for an amount of Rs. 14.50 lac in the year FY 2022-23	
31	Wall Fencing & Gate At Permanent Quarter - PB 06	25.79	-	25.79	-	25(2)(a)	The life of earlier semi-permanent type quarters constructed during initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
32	Wall Fencing & Gate At Permanent Quarter - PB 07	21.69	-	21.99	-	25(2)(a)	The life of earlier semi-permanent type quarters constructed during initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	

33	Retaining Wall Including Drain At Right Bank Of Dam, 41nos	48.91	-	48.92	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
								F-II, FORM- 9A
34	Protection Wall For 400KV GIS Bay Extension_16.5 RM To 50 RM	33.35	-	33.35	-	26(1)(d)	The existing protection wall for the highest flood level (HFL) i.e. EL 257 meter is constructed upto built up area of AIS 400KV Switchyard of Pauree Lower Hydro Power Station. The new Reactor Bay is at Elevation Level of EL 252.5 Meter. The Existing protection wall needs to be extended upto 50 RM in order to protect new GIS Reactor Bay from flooding of Dikrong River.This will maintain safety of the 400kV, 3x26.667MVaR Bus Reactor with GIS bay. This is mandatory requirement for the protection of the Power House and Switchyard in order to maintain HFL at 257 Meter. Therefore, it was necessary to extend the protection wall upto 50 Running Meter from the existing end wall. The final charging & commissioning of 400kV, 3x26.667MVaR Bus Reactor with GIS bay at PLHPS was successfully done at 14:21 Hrs of 13/04/2024. As per "Guidelines for renovation and modernisation of hydro power station", Clause no. 1.3..2 P-7	
35	Protection Wall At Reservoir Bank	17.07	-	17.07	-	26 (1) (d)	As per recommendation of CEA, MOP, GoI vide File No.CEA-EV-14-11/4/2016-HPPI Division for raising of water level of reservoir, necessary catchment area treatment measures were taken	
36	Retaining Wall At Intake Road	43.30	-	43.30	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
37	Protection Wall At Abdullah Nallah, Right Bank	26.48	-	26.58	-	26(1)(d)	The protection work was constructed at Abdullah Nallah, a major tributary of the Ranganadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per Environment Appraisal from Dept. of Environment, GoI	
38	Protection Wall From Dam-Top To Dam	41.11	-	41.11	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair works at Dam as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
39	Retaining Wall With Pipe Culvert	32.13	-	32.13	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
40	Boundary Fencing @ Dam Right Bank, Dam Site	15.33	-	15.33	-	26(1)(d)	Constructed for providing round the clock security arrangement at Dam site and preventing cases of unauthorized trespass, vandalism and sabotage to the Dam works. As per IB report 2012	
41	Protection Wall @ Dam - Intake Road, Dam Site	37.52	37.52	-	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
42	Breast Wall & Drain @ Pitapool Damsite Road	21.54	11.91	9.63	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
43	Additional Dumping Yard At Dam Site	42.17	-	42.17	-	26(1)(d)	Constructed for dumping and disposal of accumulated debris in the reservoir during flood in line with DSRP report Clause 9 (a) vi, Page No. 16.	
44	Slurry Ghat At Dam Site	46.32	-	46.32	-	26(1)(d)	Constructed for providing alternate accessibility to Dam site in line with DSRP Report, Clause 5.1, Page No. 10.	
45	625 KVA Acoustic DG Set Powered By Cummins Engine	69.58	-	69.58	-	25(2)(a)	Purchased under Buy Back for replacement of unserviceable DG set. To ensure uninterrupted power supply for Dam & Intake. As CERC regulation 2010 and in line with Dam Safety act 2021, Clause 28.	

46	9 Nos. Of 132 KV Spring Operated SF6 Circuit Breaker, Make- CG Power	112.04	-	112.04	-	25(2)d	3x135 MW Purgar Lower Hydro Power Station(Formerly Ringanadi HEP) was commissioned in the year 2002.There are 12(twelve) Bays in 132kV Switchyard at PLHPS. Apart from these 12 Bays, there are 3(three) nos Generator Bays already equipped with Spring operated CB. However, the remaining 8 Bays was having Hydraulic oil operated Circuit Breakers of BHEL make. Since, these existing BHEL Breakers were difficult to maintain owing to non availability of spares and inability of OEM to supply the spares and new Breaker.BHEL, the OEM of these 8 nos Circuit Breaker has discontinued the manufacturing of hydraulic oil operated CB. These CB plays a pivotal role in safe & reliable power evacuation from the PLHPS. Due to aging, these CB frequently give troubles in hydraulic system . As such, CB with spring operated system were procured for smooth & safe operation of the Plant thereby enhancing the efficiency of Power generation and reliable Grid operation. Allowed vide CERC petition no. 275/GT/2019 Dtd 07-06-2021 As per *"Summary of the Comments and suggestions received on approach paper on terms and conditions of Tariff regulations for the tariff period 01.04.2014 to 31.03.2019, (C) -5 Central Sector : NEEPCO"*	
47	3 Nos. Of Air Valve @ 250 Dig No-1/214-03-40001, BHEL Make	52.64	-	52.64	-	25(2)(x)	The existing air valve of Unit # III started malfunctioning due to ageing and wear and tear causing excessive leakage of water lead to energy loss. It was commissioned before 2002. Hence, damaged air valve was replaced with new one.This works were carried out during opportunity shutdown.This resulted in reducing the outage and increased generation performance. As per CEA guidelines issued vide no. 2/3/Misc./TPRM/CEA/2015/965 Dtd. 27/08/2015 for said HS R&M works.	
48	Megger-Break Down Voltage (BDV) Test Kit,OTS1	20.79	-	20.79	-	25(d)7)	For diagnostic and healthiness checking of insulating oil of transformer , As per guests of India, Extraordinary (Part-3, Section-4, Clause-46 of CEA notification Dtd. 20.01.2010)	
49	Gabion Wall	35.51	-	35.51	-	26(1)(d)	The protection work was constructed at the downstream of dam for safety of the Dam In line with Dam Safety Act 2021 clause, 9-21 and Safety Audit report 2004 Clause-4(C) (ii) (c). P-24	
50	4 Nos. Of Control Panel For Dewatering Pump Model:40ATS & 4 Nos. Of Sebm Dewatering Pump MBH Make Model:3PDMSM40	13.09	-	13.09	-	25(1)(d)	For dewatering from Dam gallery In line wih Dam safety act 2021	
	TOTAL 22-23:	3,872.84	39.43	3,833.41	-			
					-			
	2023-2024				-			
1	CC Pavement At PH Road Near 132KV SY	3.87	-	3.87	-	29(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair to Surge Shaft as per Crisis and Disaster Management Plan, Clause 2.3, Page No. 6.	
2	CC Road & Drain Along Surge Shaft, Mes (1360m	132.97	-	132.97	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair to Surge shaft as per Crisis and Disaster Management Plan, Clause 2.3, Page No. 6.	
3	Check Dam At Abdullah Nallah_no -I	24.61	-	24.61	-	26 (1)(d)	The check dam was constructed at Abdullah Nallah, a major tributary of the Rangandi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 3 "and Environment Appraisal from Dept. of Environment, GoI	
4	Check Dam At Abdullah Nallah_no - II	19.70	-	19.70	-	26 (1)(d)	The check dam was constructed at Abdullah Nallah, a major tributary of the Rangandi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 7 "and Environment Appraisal from Dept. of Environment, GoI	

5	Pedestrian Road From OPH To Dam_R/Bank_(1.8 km)	166.92	-	166.92	-	26(1)(d)	Constructed for providing alternate accessibility to Dam site as per DSRP Report, Clause 5.1, Page No. 10.	
6	Plan IV Quarter (I) At Hse	15.15	-	15.15	-	25(2)(c) & 25(2)(a)	The accommodations provided to the security personnels were of temporary CGI Sheet house that was constructed during project construction time and has become old and not liveable. The new plant -IV buildings were Constructed for providing accomodation of Security personnels for round the clock security arrangement at Dikrong Power House Site. As per IB report 2013	
7	Plan IV Quarter (II) At Hse	15.15	-	15.15	-	25(2)(c) & 25(2)(a)	The accommodations provided to the security personnels were of temporary CGI Sheet house that was constructed during project construction time and has become old and not liveable. The new plant -IV buildings were Constructed for providing accomodation of Security personnels for round the clock security arrangement at Dikrong Power House Site. As per IB report 2013	
8	Internal Electrification At Permanent Residential Building_PB-01 & PB-02	14.09	-	14.09	-	25(2)(c) & 25(2)(a)	The life of earlier semi-permanent type quarters constructed during initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2013-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
9	Protection Wall For 400KV GIS Bay Extn.0.00 RM To 50 RM	16.86	-	16.86	-	26(1)(d)	The existing protection wall for the highest flood level (HFL) i.e. EL 257 meter is constructed upto built up area of AIS 400KV Switchyard of Panyor Lower Hydro Power Station. The new Reactor Bay is at Elevation Level of EL 252.5 Meter. The Existing protection wall needs to be extended upto 50 RM in order to protect new GIS Reactor Bay from flooding of Dikrong River.This will maintain safety of the 400kV, 3x25.667MVaR Bus Reactor with GIS bay. This is mandatory requirement for the protection of the Power House and Switchyard in order to maintain HFL at 257 Meter. Therefore, it was necessary to extend the protection wall upto 50 Running Meter from the existing end wall. The final charging & commissioning of 400kV, 3x16.667MVaR Bus Reactor with GIS bay at PLHPS was successfully done at 14:21 Hrs of 15/04/2024. As per "Guidelines for renovation and modernization of hydro power station", Clause no. 1.3.12 P-7	
10	Boundary Fencing @ Dam Right Bank, Dam Site	1.97	-	1.97	-	26(1)(d)	The boundary fencing was Constructed at Dam for the safety and Higher Security of the Dam and Intake As per IB Report of 2013 attached.	
11	Boundary Wall With Gate At Dam Site	38.72	-	38.72	-	26(1)(d)	The boundary fencing was Constructed at Dam for the safety and Higher Security of the Dam and Intake As per IB Report of 2013 attached.	
12	Protection Wall At Dam Intake Road	82.35	-	82.35	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for emergent repair of Intake as per Crisis and Disaster Management Plan, Clause 2.3, Page No. 6.	
13	Check Dam At Pai Nallah	25.00	-	25.00	-	26 (1)(d)	The check dam was constructed at Pai Nallah, a major tributary of the Ranganadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 7 "and Environment Appraisal from Deptt. of Environment, GoI	
14	Check Dam At Abdullah Nallah_no - III	17.43	-	17.43	-	26 (1)(d)	The check dam was constructed at Abdullah Nallah, a major tributary of the Ranganadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 7 "and Environment Appraisal from Deptt. of Environment, GoI	

15	Check Dam At Abdullah Nallah_no - IV	34.45	-	34.45	-	25 (1)(4)	The check dam was constructed at Abdullah Nallah, a major tributary of the Ranganadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 7 and Environment Appraisal from Deptt. of Environment, GoI.	
								P-II, FORM- 9A
16	Internal Electrification At Security Barrack & ESM Office	8.04	-	8.04	-	28(1)(d)	Constructed for providing round the clock security arrangement at Dam site and preventing cases of unauthorized trespass, vandalism and sabotage to the Dam works. As per Dam Safety Act 2021, Clause 28	
17	Internal Electrification At Field Hostel	6.01	-	6.01	-	28(1)(d)	The colony is located 10km away from Dam site. Road blockage during monsoon it is difficult to reach Dam site and therefore for close monitoring and operation of Dam and Intake the field hostel was necessitated as per Dam Safety Act, 2021, Clause 28	
18	Plot IV Quarter (4) At Hor	15.15	-	15.15	-	25(2)(a) & 76	The accommodations provided to the security personnels were of temporary CGI Sheet house that was constructed during project construction time and has become old and not liveable. The new plant -IV buildings were Constructed for providing accomodation of Security personnels for round the clock security arrangement at Dikrong Power House Site. As per IB report 2013	
19	Check Dam At Kamrow Nallah	22.58	-	22.58	-	26 (1)(d)	The check dam was constructed at Kamrow Nallah, a major tributary of the Ranganadi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 7 and Environment Appraisal from Deptt. of Environment, GoI.	
20	Boundary Fencing At Left Bank Reservoir, Barsito	11.46	-	11.46	-	26(1)(d)	The boundary fencing was Constructed at Dam for the safety and Higher Security of the Dam and Intake. As per IB Report of 2013.	
21	8 Nos. Of UGB Oil Cooler, Make-BHEL Make	24.22	-	24.22	-	25(2)(a)	The existing UGB cooler developed water leakage from tube due to ageing and wear and tear. Plugging of tubes exceeded 10 % of total tube which resulted inefficient cooling. Hence, new 8 nos. UGB coolers were procured for sufficient cooling and thereby preventing generation loss. As per CEA guidelines issued vide no. 2/3/60st./TPRM/CEA/2015/965 Dtd. 27/08/2015 for mid life R&M works.	
22	Real-Time Hydro-Met. Monitoring System_NESAC	309.12	23.69	285.43	-	38 (3) (D)	For providing early warning' information about rainfall and discharge. The downstream stakeholders, district authorities & disaster management can accordingly take preventive measures to prevent loss of life and property. This is a requirement of CEA for vulnerable Hydro Projects & Dam Safety Act 2021, Clause 38	
23	Supply Of Bypass Valve And Its Accessories For Dikrong Power House	28.14	-	28.14	-	25(2)(a)	The existing 200 NB bypass valve of Unit # I started malfunctioning due to ageing and wear and tear. It was commissioned before 2002. Defective bypass valve caused outage of machine which resulted energy loss.To put the Unit # I machine in service new 200 NB bypass valve was procured from BHEL and thereby enhanced generation performance As per CEA guidelines issued vide no. 2/3/60st./TPRM/CEA/2015/965 Dtd. 27/08/2015 for mid life R&M works.	
24	Road Connecting Dam Right Bank To Dam Site Gate 4.0 KM.	20.57	-	20.57	-	26(1)(d)	Constructed for providing alternate accessability to Dam site as per DSRP Report, Clause 3.1, Page No. 10.	
25	Road Connecting Dumping Yard To Main Road	21.13	-	21.13	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 5.	

26	Check Dam @ Abdullah Nb_250M Upstream Of Bailey Bridge	48.05	-	48.05	-	26 (1)(d)	The check dam was constructed at Abdullah Nallah, a major tributary of the Rangandi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 7 and Environment Appraisal from Deptt. of Environment, GoI	
27	Check Dam @Abdullah Nb_600M Downstream Of Bailey Bridge	41.34	-	41.34	-	26 (1)(d)	The check dam was constructed at Abdullah Nallah, a major tributary of the Rangandi Reservoir to arrest the silt coming into the Reservoir area as a part of the Catchment area Treatment(CAT) plan. As per DSRP Report Clause 3.3, Page No. 7 and Environment Appraisal from Deptt. of Environment, GoI	
								P-II, FORM- 9A
28	Approach Road To Executive Guest House, Hoz	15.59	-	15.59	-	25(2)(a)	Constructed for providing accessibility to Executive guest House allowed by CERC order Clause 25(2)(a) and 76 for an amount of 81.5 Cr.	
29	Permanent Qtr. At Hoz: PA-1 , 2 & 3	1.09	-	1.09	-	76 to relax 25(2)(a)	Permanent Residential setup at power house site is required to ensure round the clock Operation and maintenance of the power house and other installation from Power house site itself. During monsoon period the officers O&M of power house and allied structures a permanent set up is felt essential near Power house. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
30	Permanent Residential A-Type Quarters (PA-06)	34.80	-	34.80	-	76 to relax 25(2)(a)	The life of earlier semi-permanent type quarters constructed during initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
31	Permanent Residential B-Type Quarters (PB-01 & 09)	84.30	-	84.30	-	76 to relax 25(2)(a)	The life of earlier semi-permanent type quarters constructed during initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
32	Internal Electrification Of Permanent Residential B-Type Quarters (PB-01 & 09)	15.45	-	15.45	-	76 to relax 25(2)(a)	The life of earlier semi-permanent type quarters constructed during initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
33	Plan IV (5,11,12,13) Quarter At Hoz	102.09	-	102.09	-	25(2)(a) & 76	The accommodations provided to the security personnels were of temporary CGI Sheet house that was constructed during project construction time and has become old and not liveable. The new plan -IV buildings were Constructed for providing accomodation of Security personnels for round the clock security arrangement at Dibrung Power House Site. As per IB report 2013	
34	Plan IV (1) Quarter At 40 KM Colony	64.43	-	64.43	-	76 to relax 25(2)(a)	The life of earlier semi-permanent type quarters constructed during initial stage of this project was already exhausted due to aging. Hence, permanent type quarters are required which have prolonged life. Allowed by CERC in 2021-22 for an amount of Rs. 3.0 Cr and in 2022-23 for an amount of Rs. 3.0 Cr.	
35	Breast Wall & Drain Behind PH Store, Hoz	30.38	-	30.38	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
36	Permanent Security Wall At Downstream Of Dam Right Bank	53.72	-	53.72	-	26(1)(d)	The boundary wall was Constructed for the safety and Higher Security of the Dam complex, as per IB Report of 2013	
37	Boundary Wall At 40 Km Colony Complex	123.07	-	123.07	-	26(1)(d)	The boundary wall was Constructed for the safety and Higher Security Office complex and colony As per IB Report of 2013.	
38	Boundary Wall At PLHPS Intake, 41 KM, Damsite	31.84	-	31.84	-	26(1)(d)	The boundary wall was Constructed at Intake for the safety and Higher Security of the Intake As per IB Report of 2013.	

39	Peripheral Wall Around Executive Guest House, Hoz	27.13	-	27.13	-	25(2)(a)	Constructed for safety of the Executive guest House which was allowed by CERC under Clause 25(2)(a) and 76 for an amount of ₹1.5 Cr.	
40	Protection Work Along Pai Nallah Behind Stenyard, 43KM	13.06	-	13.06	-	26(1)(d)	As per recommendation of GoI, MOP, CEA vide File No.CEA-HY-14-11/4/2019-HPPI Division, for raising of water level of reservoir, necessary catchment area treatment measures were taken	
41	Civil Cum Utility/ New Dikrong PH Office, Hoz	201.49	-	201.49	-	76 to relax 25(2)(a)	Allowed by CERC under Clause no. 25(2)(a) and 76 for an amount of Rs. 1.0 cr during FY 2020-21.	
42	Internal Electrification In Civil Cum Utility / New Dikrong PH Office, Hoz	15.34	-	15.34	-	76 to relax 25(2)(a)	Allowed by CERC under Clause no. 25(2)(a) and 76 for an amount of Rs. 1.0 cr during FY 2020-21.	

43	CC Flooring & CC Drain In New Dikrong PH Office, Hea	27.82	-	27.82	-	76 to relax 25(2)(a)	Allowed by CERC under Clause no. 25(2)(a) and 76 for an amount of Rs. 1.0 cr during FY 2020-21.	
44	Protection Work At Sinking Zone Along Dam Road	52.75	-	52.75	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
45	Fence Behind Sigma Camp, 41 KM_Darrake	33.61	-	33.61	-	26(1)(d)	The boundary fencing was Constructed at behind Sigma Camp for the safety and Higher Security of the Damsite. As per IB Report of 2013 attached.	
46	Labour Barrack At Dam Site_PLHPS	60.50	-	60.50	-	26(1)(d)	The colony is located 10km away from Dam site. Road blockage during monsoon it is difficult to reach Dam site and therefore for dilose monitoring and operation of Dam and Intake, the labour barrack was necessitated as per Dam Safety Act, 2021, Clause-26	
47	Parking Cum Storage Site @ Intake Site _41KM	57.29	-	57.29	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair of Intake as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
48	Protection Work At Dam Top To Dam Body	39.77	-	39.77	-	26 (1) (D)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for immergent repair of Intake as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
49	Protection Work At Magazine Building At 51 KM	5.27	-	5.27	-	26 (1) (D)	Constructed for providing adequate safety of magazine building As per IB report 2013	
50	Security Watch Tower At Dam Site, PLHPS	5.51	-	5.51	-	26 (1) (D)	Constructed for providing adequate safety of Dam. As per DSRP report Clause 12, Page -21	
51	Protection Work @ Loft Training Wall_PLHPS	116.11	-	116.11	-	26 (1) (d)	Constructed for safety of the Dam. As per recommendation DSRP report Inspection Checklist Clause B-1.4.11 & B-1.5.1	
52	Civil Works For Installation Of Water Level Measuring Device	7.27	-	7.27	-	26 (1) (D)	For providing early warning/ information about rainfall and discharge. The downstream stakeholders, district authorities & disaster management can accordingly take preventive measures to prevent loss of life and property. This is also a requirement of CEA for vulnerable Hydro Projects and Dam Safety Act 2021, Clause 31	
53	Gabion Structure Along Right Bank Road DPR Colony To Dam	63.42	-	63.42	-	26(1)(d)	Constructed for providing alternate accessibility to Dam site as per DSRP Report, Clause 5.1, Page No. 16.	
54	Megger Make CT, PT, CVT Analyser, MRCT-DHOND0M0L	55.04	-	55.04	-	76 & 77 to relax 25(1)(b)	For proper condition monitoring and healthiness checking of Power House equipments. (CEA notification No. CEA/TETD/MP/R/01/2010 Dtd. 20.08.2010, Part-3, Section-4, Clause-46)	
55	Fluke Portable Vibration Meter And Tacmi Sensor	3.96	-	3.96	-	76 & 77 to relax 25(1)(b)	For proper condition monitoring and healthiness checking of Power House equipments. (CEA notification No. CEA/TETD/MP/R/01/2010 Dtd. 20.08.2010, Part-3, Section-4, Clause-46)	

56	Supply Of Spares For ELPRO Make (Presently Siemens Ltd) 420 KV, 2000A, Pantograph Isolator & Supervision Of Erection Of Spares	442.77	-	442.77	-	25(2)(i) & 25(2)(c)	The 400 kV Air Insulated Switchyard of Panyor Lower Hydro Power Station is a Double-Bus configuration substation. However, 400kV Bus-A has never been charged since commissioning of the plant. The unique design of the Switchyard due to space constraint necessitated installation of vertically operated Pantograph Isolators. The condition of these Pantograph Isolators is not suitable for operation of 400kV Bus-A. These types of Isolators have been phased out by the OEM and spares are also not readily available. The issue for immediate charging of 400kV Bus-A for grid security & stability was taken up in many OCCM forum of NERPC. In order to operationalize the 400kV Bus-A, Pantograph Isolators Spares were procured from authorised dealer of M/s Siemens Ltd. Infact, the OEM of these Pantograph Isolators was M/s ELPRO which no longer exist. Due to obsolescence of technology of ELPRO make Pantograph Isolator, the spares suitable for retrofitting of existing Pantograph Isolators were procured from M/s Siemens Ltd. The main objective of procuring the asset is to operationalise existing Pantograph Isolators of Bus-B and subsequent charging of 400kV Bus-A for grid security & stability. The additional capital expenditure is necessity to ensure proper operation of the generating station & Grid. CEA guidelines no. 2/3/Misc./TPRM/CEA/2015/905 Dtd. 26-08-2015	
57	Installation Charges Of 132KV Spring Oprtd SF6 Circuit Breaker, CG Power	5.66	0.00	5.66	-	25(2)(a)	3x135 MW Panyor Lower Hydro Power Station(Formerly Ranganadi HEP) was commissioned in the year 2002.There are 12(twelve) Bays in 132kV Switchyard at PLHPS. Apart from these 12 Bays,there are 3(three) nos Generator Bays already equipped with Spring operated CB. However, the remaining 8 Bays was having Hydraulic oil operated Circuit Breakers of BHEL make. Since, these existing BHEL Breakers were difficult to maintain owing to non availability of spares and inability of OEM to supply the spares and new Breaker.BHEL,the OEM of these 8 nos Circuit Breaker has discontinued the manufacturing of hydraulic oil operated CB. These CB plays a pivotal role in safe & reliable power evacuation from the PLHPS. Due to aging, these CB frequently give troubles in hydraulic system. As such, CB with spring operated system were procured for smooth & safe operation of the Plant thereby enhancing the efficiency of Power generation and reliable Grid operation. Supply parts approved in CERC petition no. 275/GT/2010 Dtd. 07-06-2021	
58	1 Nos. Of Double Acting Brake & Jack Panel	20.02	0.00	20.02	-	25(2)(a)	Existing model became obsolete. OEM recommended to replace the brake & jack system. Hence, 3 nos of brake & jack panel were procured for functioning of brake & jack system for functioning to enchance generation performance. CEA guidelines no. 2/3/Misc./TPRM/CEA/2015/905 Dtd. 26-08-2015	
60	Supply Of Bypass Valve And Its Accessories For Dikrong Power House	33.84	0.00	33.84	-	25(2)(a)	The scope of installation of Bus Reactor in 400kV AIS at Panyor Lower Hydro Power Station(Formerly Ranganadi HEP)was not in picture during the commissioning of Project. The necessity of Bus Reactor aroused over the years due to addition of various transmission elements within NER grid. There was severe voltage rise during lean Hydro period as recorded in clause no. 2.4 of minutes (minutes of 1st meeting of NERPC(TP)/2nd meeting of NERSCT). There was no Bus Reactor at PLHPS, NEEPCO. The issue of high voltage in NER and Space constraint in existing 400kV AIS, PLHPS had led to installation of 400kV, 3 X 26.666 MVAR Bus Reactor with GIS Bay at 2 different Elevation 256.50m & 252.50m adjacent to existing 400kV AIS, PLHPS. The Project was considered on 7th meeting of Standing Committee on Power System Planning of North Eastern Region (SCPSPNER) and finally agreed during the 2nd meeting of North Eastern Region Standing Committee on Transmission (NERSCT) held on 08/11/2019 which was Chaired by Member (Power System), Central Electricity Authority (CEA). CEA guidelines no. 2/3/Misc./TPRM/CEA/2015/905 Dtd. 26-08-2015	

60	New Approach Road To DPH, Hoz	33.17	0.00	33.17	-	26(1)(d)	Constructed alternate access road to power house for transportation of heavy equipments from national highway NH-713 As per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
61	Gabion Wall	74.08	0	74.08	-	28(1)(f)	The protection work was accentuated at the downstream of dam for safety of the Dam. As per Dam Safety Act 2021 and in line with Safety Audit report 2024 Clause - 4(C)(B)(6), P-24	
62	Main Gate@ 43 KM, PLHPS	67.76	0	67.76	-	26(1)(d)	The main gate constructed for security & safety of the office complex at 43km with single entry and exit mechanism As per IB report 2012	
63	Gabion Wall_Opposite NH 13 Trans-Highway, Hoz	17.02	0	17.02	-	26(1)(d)	Constructed for protection of main gate of power house complex from landslide on the hill side of National Highway -13 As per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
64	River Training Works At Pai Nallah, PLHPS	26.45	0	26.45	-	76&77	For channelizing flow of storm water into the reservoir as well as prevent soil erosion on the banks of the stream As per Environment Appraisal from Deptt. of Environment, GoI	
65	Retaining Wall From MehGrro To B-Type Qrts.,43 KM	24.43	0	24.43	-	76&77	As per recommendation of GoI, MOP, CEA vide File No.CEA-HY-14-11/4/2019-HPPI Division, for raising of water level of reservoir, necessary approach road protection measures were taken	

66	PCC Retaining Wall At Main Gate, Hez	11.76	0	11.76	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for Immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
67	Protection Wall At Main Entry Gate, Hez	42.61	0	42.61	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for Immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
68	Protection Wall At Dam Site Road, 1.6KM From Highway T-Section	16.12	0	16.12	-	26(1)(d)	Constructed for providing adequate safety of access road and for allowing passage of plant machinery for Immergent repair as per Crisis and Disaster Mangement Plan, Clause 2.3, Page No. 6.	
69	Fence Along Pitapool Damsite Road	75.67	0	75.67	-	26(1)(d)	The boundary fencing was Commenced along the reservoir area (being a protected area) to prevent unauthorized entry of outsiders and prevent section thereof. As per DR Report of 2013 attached.	
	Earth Retaining Wall Near NRC Building, Hez	48.87	-	48.87		76 &77 to relax 26 (1)(d)	Constructed for providing adequate safety of backside hill slope of NRC building	
	Protection Wall Behind New Dikrong PH Office, Hez	20.38	-	20.38		76 &77 to relax 26 (1)(d)	Constructed for providing adequate safety of backside hill slope of office building.	
	TOTAL 23-24:	3,296.68	23.69	3,372.99				
	TOTAL 9A:	10,947.63	63.12	10,884.61				

1 In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the
2 The above information needs to be furnished separately for each year/period of tariff period 2014 -15.
3 In case of de- capitalisation of assets separate details to be furnished at column 1,2,3 and 4. Further the original book value and year of capitalisation of such asset to be furnished at column 8.Where de-cap are on estimated basis
4 Where any asset is rendered unserviceable the same shall be treated as de-capitalised during that year and original value of such asset to be shown at col. 3. And imputed value if any, year of its capitalisation to be mentioned at
5 Justification against each asset of capitalisation should be specific to regulations under which claim has been made and the necessity of capitalisation of that particular asset.

Note :
1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.
2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Boiler- 50 Crs. Initial spares -5 Crs.

(Petitioner)

PART-II
FORM- 9C

Statement showing reconciliation of ACE claimed with the capital additions as per books

Name of the Petitioner: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station: PANYOR LOWER HYDRO POWER STATION, YAZALI, KEYI PANYOR DISTRICT, ARUNACHAL

(Amount in Rs. Lakh)

S. No.		Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1		2	3	4	5	6	7
1		Closing Gross Block as per IND AS	157,698.44	158,208.60	159,661.98	163,125.20	167,311.92
2		Add/Less: Adjustments	-	-	-	-	
3		Closing Gross Block as per IGAAP	157,698.44	158,208.60	159,661.98	163,125.20	167,311.92
4		Opening Gross Block as per IND AS	154,796.06	157,698.44	158,208.60	159,661.98	163,125.20
5		Add/Less: Adjustments					
6		Opening Gross Block as per IGAAP	154,796.06	157,698.44	158,208.60	159,661.98	163,125.20
7		Total Additions as per books (6- 3 - 6)	2,902.38	510.16	1,453.38	3,463.24	4,186.73
		Add/Less: Adjustments					
9		Net Additions pertaining to instant project/Unit/Stage	2,902.38	510.16	1,453.38	3,463.24	4,186.73
10		Less: Exclusions (items not allowable / not claimed)	179.81	234.81	127.65	598.12	843.48
11		Net Additional Capital Expenditure Claimed (on accrual basis)	2,721.56	275.35	1,325.71	2,865.13	3,343.25
12		Less: Re-discharged Liabilities	-	-	-	35.19	23.67
13		Add: Discharges of un-discharged liabilities, corresponding to admitted assets/works	-	-	-		
14		Net Additional Capital Expenditure Claimed (on cash basis)	2,721.56	275.35	1,325.71	2,915.69	3,319.58

Note: Reason for exclusion of any expenditure shall be given in clear terms.

[Petitioner]

RECONCILIATION OF NET ADD CAP AS PER BOOKS AND AS PER CERC FORMS

	2019-20	2020-21	2021-22	2022-23	2023-24
CLOSING GROSS BLOCK	157,696.44	158,206.60	159,661.96	163,125.20	167,311.93
OPENING GROSS BLOCK	154,796.06	157,696.44	158,206.60	159,661.96	163,125.20
NET ADDITION AS PER BOOKS	**2,900.38**	**510.16**	**1,455.36**	**3,463.24**	**4,186.73**
ADDITIONAL CAPITALISATION	2,786.42	376.42	1,335.27	3,072.84	3,396.88
EXCLUSION	178.81	234.81	127.65	609.12	843.49
DECAPITALISATION	64.85	101.07	9.56	117.72	53.44
NET ADDITION	**2,900.38**	**510.16**	**1,455.36**	**3,463.24**	**4,186.73**
	-0.00	-0.00	-	0.00	0.00
LESS: EXCLUSION	178.81	234.81	127.65	609.12	843.49
LESS: UNDISCHARGED LIABILITY	-	-	-	39.43	23.69
	2,721.56	275.35	1,335.71	2,915.69	3,319.55
	2,721.56	275.35	1,335.71	2,915.69	3,319.55
DIFFERENCE	-	-	-	-	-

Statement showing items/assets/works claimed under Exclusions:						PART-II FORM- 9D
Name of the Petitioner: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.						
Name of the Generating Station: PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH						
S.No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accrual basis	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	
(1)	(2)	(3)	(4)	(5=3-4)	(6)	(7)
	2019-20					
7	Procurement Of Various Office Furnitures	2.42	-	2.42	-	Minor Asset
8	Procurement Of 6 Nos. Of Supreme Omnis Chair	0.21	-	0.21	-	Minor Asset
9	Procurement Of Computers & Printers	14.67	-	14.67	-	Minor Asset
10	Procurement Of Godrej Refrigerator	0.24	-	0.24	-	Minor Asset
11	Procurement Of Force Demolition Hammer	0.24	-	0.24	-	Minor Asset
17	2 Nos. Of Net Gear RN234 4Bay Nas Box Along With 4 x 4 TB HDD	1.77	-	1.77	-	Minor Asset
18	Godrej 270 Litres FF Refrigerator (Model No-RTEON ASTRA 270 P2.4), Sl. No-1901015145FR00034 (PSM	0.28	-	0.28	-	Minor Asset
19	Portable Aquaguard RO Assembly (Ruvivia NXT RO)	0.19	-	0.19	-	Minor Asset
20	20 Nos. Of Savior Finger Print Reader(Model 8603) & 20 Nos. Of SMPS-12V With Connection Box	7.91	-	7.91	-	Minor Asset
21	Eureka Trendy Wet & Dry Vaccuum Cleaner	0.09	-	0.09	-	Minor Asset
22	Nebulizer Handyneb	0.03	-	0.03	-	Minor Asset
23	6 Nos. Of ABC Type Fire Extinguisher-1 KG & One Fire Step	0.15	-	0.15	-	Minor Asset
27	Construction Of Multipurpose Vehicle Shed	24.44	-	24.44	-	Addcap after cut offf date not allowed
28	Installation Of 2 Nos Of Bore Wells Including Pumps At PH Complex	46.99	-	46.99	-	Addcap after cut offf date not allowed
29	Canon Photocopier Machine	0.61	-	0.61	-	Minor Asset
30	Supply Of Philips Heartstart FRX, Smart Pads & Training Pads	3.17	-	3.17	-	Minor Asset
31	Engagement Of 10 Cum Capacity Tipper For Construction Of Approach Road To Intake By Filling Gravels & Clearing Of Debris In Front Of Intake, RHEP, 41 KM	5.05	-	5.05	-	Addcap after cut offf date not allowed
32	Construction Of Entrance Footpath In Front Of All Permanent Quarters At Differng Power House Colony, Hoz, RHEP, A.P	7.01	-	7.01	-	Addcap after cut offf date not allowed
33	Construction Of Retaining Wall Along With HP Culvert In Right Bank Approach Road To Downstream Of Dam, RHEP, 41 KM, Yazali, A.P	7.52	-	7.52	-	Addcap after cut offf date not allowed
37	Concrete Drill Machine, Model: GBH-2-2 & Flexible Shaft Grinder Machine 136	0.41	-	0.41	-	Minor Asset
38	4 Nos. Of Hydraulic Jack With Pump & 2 Nos. Of Hydraulic Speed Hand Pump	2.09	-	2.09	-	O&M spare
39	4 Nos Of Steel Jack-80 Ton & 1 Nos. Of Steel Jack - 60 Ton	0.16	-	0.16	-	O&M spare
40	Country Boat, Size 10M X 1.5M X 0.6M	2.99	-	2.99	-	Minor Asset
41	TV Stand	0.02	-	0.02	-	Minor Asset
42	Box Bed, Queen Size	0.32	-	0.32	-	Minor Asset
43	Savior Finger Print Reader-860	0.74	-	0.74	-	Minor Asset

44	20 Nos. Of HP Desktop Intel Core i3, 2 Nos. Of HP Scanjet Pro 3000S3, 1 Nos. Of HP Laptop Intel Core I7 & 15 Nos. HP Laserjet Printer 1020 Plus	15.21	-	15.21	-	Minor Asset
45	5 Nos. Of IP Phones (Alcatel-Lucent 8039G)	0.40	-	0.40	-	Minor Asset
46	13 Nos. Of White/Green Board (6x4)	0.47	-	0.47	-	Minor Asset
47	12 Nos. Of White/Green Board (6x4)	0.43	-	0.43	-	Minor Asset
48	LED TV - 32 Inch	0.16	-	0.16	-	Minor Asset
49	Panasonic Projector Along With Accessories	2.99	-	2.99	-	Minor Asset
50	Procurement Of 5 Nos. Of Honeywell T8008	7.08	-	7.08	-	O&M spare
51	Analouge Bath Tester 4 Terminal (Make : Waco)	0.13	-	0.13	-	O&M spare
52	CO2 Type Fire Extinguisher - 4.5 KG	0.09	-	0.09	-	O&M spare
53	Industrial HD Multimeters & Meter Clamps	2.23	-	2.23	-	O&M spare
54	Hydraulic Pipe Bender With Bimlged Frame & M.S. Former (2" To 6") 213R	1.90	-	1.90	-	O&M spare
55	Gasoline Pipe Pillers & Rod Cutter, 80SA	1.16	-	1.16	-	O&M spare
56	Supply Of Electrical Motor 20 HP/15 KW,1000 RPM (AMW)	0.73	-	0.73	-	O&M spare
57	Supply Of Wall Mounted Legrand Sensors	1.35	-	1.35	-	O&M spare
58	Supply of Ferrocare Electrostatic Liquid Cleaner Machine, Low Vacuum Dehydration Unit Chiller & Contamination Checking Kit	15.86	-	15.86	-	O&M spare
59	Procurement Of Flexible Grinder, Angle Grinder Etc	0.55	-	0.55	-	O&M spare
60	Procurement Of Two Nos. Of Soldering Machine (Bosch)	0.36	-	0.36	-	O&M spare
	TOTAL 19-20:	**178.81**	-	**178.81**		
	2020-21					
1	Protection Work Along Side NRC Auditorium Towards Pai Nallah To Prevent Erosion At 43 KM, RHEP, Yazali, A.P	7.46	-	7.46		Addcap after cut offf date not allowed
2	Water Geyser (15 Ltr. Pure Turbo DX5S SMFP White Blue-SWH)	0.14	-	0.14		Minor asset
3	Hydraulic Test Pump (Model - 230B)	0.15	-	0.15		O&M spare
4	Construction Of Intake Platform For Movement Of Trash Rack Cleaning Machine	12.73	-	12.73		Addcap after cut offf date not allowed
5	Slip Ring Motor	2.16	-	2.16		Minor asset
6	2 Nos. Of Metal Tube Cutter (Power Grip)	0.05	-	0.05		Minor asset
7	2 Nos. Of Sofa Set (3+1+1) With Centre Table	1.20	-	1.20		Minor asset
8	Wall Sanitizer Dispenser	0.08	-	0.08		Minor asset
9	Auto Clave - 12 x 84 P Type	0.08	-	0.08		Minor asset
10	3 Nos. Of Wall Sanitizer Dispenser	0.24	-	0.24		Minor asset
11	Construction Of Peripheral Fencing For Permanent B-Type Quarters AT Hez	6.25	-	6.25		Addcap after cut offf date not allowed
12	8 Nos. Of Battery Racks	0.18	-	0.18		Minor asset
13	Godrej Make Mobilelock	2.46	-	2.46		Minor asset
14	8 Nos. Of UPS	2.74	-	2.74		Minor asset
15	Construction Of PCC Drain At Hill Side Of Road From Main Entry Gate To Gate No-2 At Dikrong Power House	4.61	-	4.61		Addcap after cut offf date not allowed
16	Construction Of CC Drain & Tee Wall Along Surge Shaft Road At Chainage 1430.00 To 1460.40 M From Gate At Surge Shaft, Dikrong Power House	8.20	-	8.20		Addcap after cut offf date not allowed

17	Construction Of Open Auditorium For NRC Activities Near Nenglur, 43KM, RHEP, A.P (Phase -I)	17.07	-	17.07		Addcap after cut offf date not allowed
18	2 Nos. Of Ferocarn Low Vacuum Dehydration Unit	7.69	-	7.69		Minor asset
19	Hand Grinder (BOSCH)	0.04	-	0.04		Minor asset
20	Kissankraft Make Fogging Machine Thermal (KKTF86258)	0.39	-	0.39		Minor asset
21	4 Nos. Of Distance View Display - 300MM RS 485	2.92	-	2.92		Minor asset
22	15 Nos. Of HP Laptop	5.99	-	5.99		Minor asset
23	10 Nos. Of Acer Intel Core I3 8100 4GB/ 1000 GB HDD/Windows 10 Professional Desktop	3.30	-	3.30		Minor asset
24	9 Nos. Of HP 440 G7 I5-10210U Win 10 Proffesional Laptops	7.54	-	7.54		Minor asset
25	2 Nos. Of Samsung Make LED TV	0.46	-	0.46		Minor asset
26	1 Nos. Samsung Make LED TV	0.23	-	0.23		Minor asset
27	Construction Of Breast Wall Along Pitapool Damsite Road From Ch. 216.00M To 300.00M Towards Pitapool, RHEP, A.P, Group -I (Ch 0.00M At Gammon Quarry)	11.05	-	11.05		Addcap after cut offf date not allowed
28	Construction Of Breast Wall Along Pitapool Damsite Road From Ch. 49.00M To 210.00M Towards Pitapool, RHEP, A.P, Group -I(Ch.0.00M At Gammon Quarry)	14.96	-	14.96		Addcap after cut offf date not allowed
32	Construction Of RCC Drain Along Pitapool Dam-Site Road From Chainage 752.00M To 948.80M At RHEP Dam Main Gate, Yazali, A.P (Group-I)	11.17	-	11.17		Addcap after cut offf date not allowed
33	Construction Of RCC Drain Along Pitapool Dam-Site Road From Chainage 948.80M To 1048.80M At RHEP Dam Main Gate, Yazali, A.P (Group-II)	5.43	-	5.43		Addcap after cut offf date not allowed
34	Construction Of RCC Drain Along Pitapool Dam-Site Road From Chainage 1048.80M To 1134.80M At RHEP Dam Main Gate, Yazali, A.P (Group-III)	5.58	-	5.58		Addcap after cut offf date not allowed
35	Construction Of Breast Wall Along Pitapool Damsite Road From Ch. 328.00M To 450.00M Towards Pitapool, RHEP, A.P, Group -II (Ch.0.00M At Gammon Quarry)	15.64	-	15.64		Addcap after cut offf date not allowed
36	Construction Of RCC Drain Along Pitapool Dam-Site Road From Chainage 40.00M To 210.00M Towards Pitapool, RHEP, A.P, Group -I (Ch.0.00M At Gammon Quarry)	8.09	-	8.09		Addcap after cut offf date not allowed
37	Construction Of Open Auditorium For NRC Activities Near Nenglur, 43KM, RHEP, A.P (Phase -II)	38.94	-	38.94		Addcap after cut offf date not allowed
38	Battery Charger, 72 (V), Tiger Brand	0.10	-	0.10		Minor asset
39	6 Nos. Of UPS, APC Make, 1 KVA	0.71	-	0.71		Minor asset
40	Crompton Greaves Monoblock Pump Set, Minimaster (1 HP)	0.10	-	0.10		Minor asset
41	Bosch Impact Drill Machine	0.04	-	0.04		Minor asset
42	Bosch Angle Grinder machine	0.03	-	0.03		Minor asset
43	Jointon Crimping Tool	0.06	-	0.06		Minor asset

44	5 Nos. Of Portable Welding Machine, Model- ESAB Rogue ES200i Pro	0.80	-	0.80		Minor asset
45	Furniture For Various Office Of 43 KM	6.21	-	6.21		Minor asset
46	Descent Heavy Podium Lectern (Lecture Stand)	0.13	-	0.13		Minor asset
47	6 Nos. Of Pedestal Fan, Turbo Force 600MM, Havells Make & 2 Nos. Of Heavy Duty Exhaust Fan, Turbo Force 450 MM, Havells Make	0.72	-	0.72		Minor asset
48	15 Nos. Of Havells Make 1320MM Fan (Lumens With LPL -Indigo Blue)	1.12	-	1.12		Minor asset
49	5 Nos. Of 1.5 Ton, 5 Star Godrej Window AC	2.35	-	2.35		Minor asset
50	2 Nos. Of Wooden Almirah For 43 KM Guest House's Kitchen	0.40	-	0.40		Minor asset
51	Matrix EPABX System	3.84	-	3.84		Minor asset
52	Eureka Forbes Dry Vaccum Cleaner, Model Pro Vac IN 50	0.18	-	0.18		Minor asset
53	Eureka Forbes Dry Vaccum Cleaner, Model Pro Vac Power	0.85	-	0.85		Minor asset
54	Eureka Forbes Dry Vaccum Cleaner, Model Pro Vac Power	0.85	-	0.85		Minor asset
55	Construction Of Road Protection Wall Between Colony Main Entry Gate To Gate No. 2 At Dikrong Power House, RHEP, Hor, A.P.	11.08	-	11.08		Minor asset
	TOTAL 20-21:	234.81	-	234.81		
	2021-22					
1	Liebert Powerbank 600 UPS	1.11	-	1.11		Minor asset
2	4 Nos. Of 1KVA UPS (VERTIV) With Accessories	1.59	-	1.59		Minor asset
3	19 Nos.Of HP Colour LJ Pro Printers (Model M479fdw)	18.10	-	18.10		Minor asset
4	2 Nos. Of Aquaguard AG Green Purechill 80Si-Uv	1.47	-	1.47		Minor asset
5	Aquaguard Magna (RO + UV)	0.28	-	0.28		Minor asset
6	2 Nos. Of Bed & 2 Nos. Of Matress	0.74	-	0.74		Minor asset
7	3 Nos. Of Sony LED 32" TV, 2 Nos. Of Refrigerator & 1 Nos. Of Washing Machine	1.58	-	1.58		Minor asset
8	3 Nos. Of Sony LED 32" TV	0.89	-	0.89		Minor asset
9	2 Nos. Of Wooden Sofa With Cusion & 1 Nos. Of Wooden Sofa With Centre Table	0.67	-	0.67		Minor asset
10	10 Nos. Of Acer Intel Core i5 14 Inch Laptop (Windows - 10)	8.50	-	8.50		Minor asset
11	4 Nos. Of Bed Side Table, 5 Nos. Of King Size Bed, 2 Nos. Of Open Rack For Kitchen, 3 Nos. of Reading Table, 2 Nos. Of Single Bed & 2 Nos. Of Wooden Wardrobe	4.27	-	4.27		Minor asset
12	2 Nos. Of Usha Make 15 Litre Geyser	0.16	-	0.16		Minor asset
13	Siemens Make 10HP 960RPM 3PH Squirrel Case Induction Motor	0.65	-	0.65		Minor asset
14	Canon IR 2006N Photocopier Machine	1.09	-	1.09		Minor asset
15	ESAB Make Plasma Cutting Machine (Model - Handyplasma 45i)	0.72	-	0.72		Minor asset
16	Sony Sound Speaker System With Aux Cable (30 Feet), SA-D20	0.10	-	0.10		Minor asset
17	Sony Sound Speaker System With Aux Cable (30 Feet), SA-D20	0.10	-	0.10		Minor asset
18	4 Nos. Of Pedestal Fan (WM BS Torpedo Make)	0.13	-	0.13		Minor asset

19	Construction Of Open Auditorium For NRC Activities Near Naraghat, 43KM, RHEP, A.P (Phase -II) (Deviated Amount)	6.11	-	6.11		Addcap after cut offf date not allowed
20	2 Nos. Of Bosch Cordless S/D Machine	0.14	-	0.14		For use in workshop
21	Water Mist Pump, UDOR Make	4.50	-	4.50		For water mist fire tender of Power House
22	Briggs & Stratton Engine	2.22	-	2.22		For water mist fire tender of Power House
23	Deputation Of BHEL Expert For HMC Tuning Of All Three Units Of Dikrong Power House, RHEP	1.08	-	1.08		O&M expenditure
24	Construction Of Sitting Arrangement Near VKV Field Along The 43 KM Colony Road In RHEP, Vasali, A.P	5.39	-	5.39		Addcap after cut offf date not allowed
25	Permanent CC Sub-Road At C-Type Quarters, 43 KM	17.88	-	17.88		Addcap after cut offf date not allowed
26	D-Type Colony Permanent CC Road	18.44	-	18.44		Addcap after cut offf date not allowed
30	Car Wash Ramp At 43 KM	8.14	-	8.14		Addcap after cut offf date not allowed
31	CC Footpath At Water Supply Intake, Borua	5.47	-	5.47		Addcap after cut offf date not allowed
32	Open Car Shed Near PMT, B1 & B4 At PH Colony, Hoz	15.14	-	15.14		Addcap after cut offf date not allowed
33	Sintex DW 5000 Ltr. Black (Water Tank For DPH)	1.00	-	1.00		Minor asset
	TOTAL 21-22:	127.65	-	127.65		
	2022-23					
1	8 Nos. Of Walkie Talkie, Chinese Make (MSG Solutions)	0.99	-	0.99		minor asset
2	Indofog Portable Pulse Jet Type Fogging Machine	0.25	-	0.25		minor asset
3	Furnitures For Guest House	1.18	-	1.18		minor asset
4	1 Nos. Of Sofa Set & 2 Nos. Of Centre Tables	1.38	-	1.38		minor asset
5	Crompton Desert Air Cooler Cap-55 L Model-DAC555	0.13	-	0.13		minor asset
6	2 Nos. Of 1.5 Ton 3 Star LG AC	0.99	-	0.99		minor asset
7	Canon 26MP Still DSLR Camera	1.76	-	1.76		minor asset
8	Furnitures & Fixtures	4.03	-	4.03		minor asset
9	3 Nos. Of Hand Cart	0.93	-	0.93		minor asset
10	Furnitures & Fixtures	0.19	-	0.19		minor asset
11	2 Nos. Of Sofa-Set	0.71	-	0.71		minor asset
12	Furnitures For Offices	3.04	-	3.04		minor asset
13	Country Boat Having Size 10.10 M X 1.50 M X 0.60 M	3.50	-	3.50		minor asset
14	2 Nos. Of Microtek Inverter,Merlyn 1850, 1600 VA, 24 V	0.99	-	0.99		minor asset
15	2 Nos. Of Television 85" Fintouch	4.66	-	4.66		minor asset
16	2 Nos. Of Usha Misty Near 15 Litres Geyser	0.15	-	0.15		minor asset
17	Furnitures & Fixtures For VKV School	1.97	-	1.97		minor asset
18	Jr.Executive Revolving Chair & Visitors Chair	0.49	-	0.49		minor asset
19	Panchal Pillar 40 MM Capacity Drilling Machine	2.80	-	2.80		minor asset
20	2 Nos. Of Video Conferencing Cameras	2.22	-	2.22		minor asset
21	JBL Make Speaker With Wireless Microphone	0.53	-	0.53		minor asset
22	3 Nos. Of Microwave Oven Convection	0.38	-	0.38		minor asset
23	1 Nos. Of Godrej Refrigerator & 4 Nos. Of 32 Inch Sony LED TV	1.60	-	1.60		minor asset
24	2 Nos. Of Sony LED TV	0.50	-	0.50		minor asset
25	Centre Table, Bed, Dressing Table & Dinning Table	2.72	-	2.72		minor asset
26	2 Nos. Of Sofa Set & 1 Nos. Of Wooden Wardrobe	2.10	-	2.10		minor asset
27	2 Nos. Of Writing Table & 2 Nos. Of Steel Almirh	0.74	-	0.74		minor asset

28	1 Nos. Of Aquaguard AG Froze Pure Chill 80 Litre Capacity & 1 Nos. Of Dr. Aquaguard Ro+UV	1.42	-	1.42		minor asset
29	Indofog Fogging Machine	0.23	-	0.23		minor asset
30	2 Nos. Of Writing Table	0.09	-	0.09		minor asset
31	43 KM Colony Permanent CC Road	33.69	-	33.69		Addcap after cut offf date not allowed
32	Septic Tank & Store Room At DPH, 43 KM	9.93	-	9.93		minor asset
33	Water Supply System At Dam Site	46.96	-	46.96		minor asset
34	Water Supply System At Dam Top Complex	16.34	-	16.34		minor asset
35	Borewell at 43 KM Colony	24.81	-	24.81		minor asset
36	11 Nos. Of Godrej Chairs	1.41	-	1.41		minor asset
37	2 Nos. Of Godrej Make 1.5 Ton AC 5 Star	0.93	-	0.93		minor asset
38	2 Nos. Of Insulator Tester WACO Make 500V 1000 MG	0.30	-	0.30		minor asset
39	Insulator Tester, WACO Make, 1000V, 1000 MΩ	0.15	-	0.15		minor asset
40	CC Pavement	0.99	-	0.99		Addcap after cut offf date not allowed
41	CC Drain And OC Road	11.58	-	11.58		Addcap after cut offf date not allowed
42	CC Road At NBC Periphery	1.74	-	1.74		Addcap after cut offf date not allowed
43	CC Guard Wall At Closed Gate	0.93	-	0.93		Addcap after cut offf date not allowed
44	Grocery Shop	10.59	-	10.59		Addcap after cut offf date not allowed
45	Cement Concrete Shoulder Near SPT-C4, Hor	0.99	-	0.99		Addcap after cut offf date not allowed
46	Parking Area Adjacent To SBI, 43 KM	24.41	-	24.41		Addcap after cut offf date not allowed
47	Diversion Wall At DPH, 43 KM	46.51	-	46.51		Addcap after cut offf date not allowed
48	12 Nos. Of Different Type Of Ladders	2.72	-	2.72		minor asset
49	3 Nos. Of Brush Cutter Machine FR-230 Back Pack (STIHL Brand)	0.99	-	0.99		minor asset
50	400KV, 440079 Capacitive Voltage Transformer (CVT)	1.17	-	1.17		minor asset
51	43 KM Colony Permanent CC Road	37.61	-	37.61		Addcap after cut offf date not allowed
52	Parking Area Between SBI & Masjid, 43 KM	40.85	-	40.85		Addcap after cut offf date not allowed
53	43 KM Colony Permanent CC Road	10.93	14.69	-		Addcap after cut offf date not allowed
54	Breast Wall & Drain @ 43 KM IB Entrance Road	15.17	15.17	-		Addcap after cut offf date not allowed
55	Protection Work For Grocery Shop At IHPS, 43 KM Colony	2.37	-	2.37		Addcap after cut offf date not allowed
56	Foundation IN PH Control Panel & Slab	0.97	-	0.97		Addcap after cut offf date not allowed
57	PCC Barrier In Front Of Adit III	0.96	-	0.96		Addcap after cut offf date not allowed
58	Car Wash Ramp At Power House	1.64	-	1.64		minor asset
59	Hydraulic Torque Wrench	21.48	-	21.48		minor asset
60	Dr. Aquaguard RO+UV	0.26	-	0.26		minor asset
61	Office Table & Chair	0.75	-	0.75		minor asset
62	Office Tables & Chairs	1.76	-	1.76		minor asset
63	3 Nos. Of Godrej Sliding Glass Door Unit & 1 Nos. Of Godrej Storewell Plain 4 Shelves	1.26	-	1.26		minor asset
64	15 Nos. Of Facial T&A Sysytem, eSSL Make, Model : AOPACE-IV (Remitted From HO)	2.84	-	2.84		minor asset
65	11 KV HT Line	3.39	-	3.39		Addcap after cut offf date not allowed
66	33KV HT Line, CKT-2	9.61	-	9.61		Addcap after cut offf date not allowed
67	11KV HT Line, CKT-1	4.92	-	4.92		Addcap after cut offf date not allowed
68	33KV HT Line, CKT-1	9.51	-	9.51		Addcap after cut offf date not allowed
69	11KV HT Line, CKT-2	4.19	-	4.19		Addcap after cut offf date not allowed
70	5 Nos. Of 11 KV,1250 A,Indoor SIG Inc.VCB & Access.,Incoming & 6 Nos. Of 11 KV,1250 A,Indoor SIG Inc.VCB & Access.,Outgoing	58.11	-	58.11		Addcap after cut offf date not allowed
	TOTAL ZI-23	508.11	25.87	482.25		

	2023-24					
1	6 Nos. Of Wooden Bed (Single) & 4 Nos. Of Wooden Table	0.91	-	0.91		minor asset
2	31 Nos. Of Desktops & 1 Nos. Of Printer	22.09	-	22.09		minor asset
3	2 Nos. Of Godrej Make Executive Chair High Back	1.35	-	1.35		minor asset
4	9 Nos. Of Godrej Make 5 Star 1.5 Ton Split AC	3.56	-	3.56		minor asset
5	Canon Multi-Function Photocopier Machine	0.87	-	0.87		minor asset
6	2 Nos. Of Dell Intel Core i5 15.6 Inch Laptop (Windows 11)	1.59	-	1.59		minor asset
7	2 Nos. Door Frame Metal Detector, 6 Nos. Of Hand Held Metal Detector, 3 Nos. Of Trolley Mirror For Security Check & 4 Nos. Of Tyre Killer For Security	11.68	-	11.60		minor asset
8	33KV Outdoor Oil Cooled Voltage Transformer	1.71	-	1.71		minor asset
9	Foggers Portable Fogging Machine	0.92	-	0.92		minor asset
10	2 Nos. Of Canon Multifunction Photocopier Machine	2.07	-	2.07		minor asset
11	10 Nos. Cynix Intel Core i3 4 GB Windows 11 Desktop PC	2.88	-	2.88		minor asset
12	Supply Installation & Commissioning Of Point-To-Point RF Link from Admin Office to Damsite, PLHPS	3.65	-	3.65		minor asset
13	Exide Inverter-1125 VA, 24V with 230 Amp Battery	0.28	-	0.28		minor asset
14	Drilling Machine	0.04	-	0.04		minor asset
15	Steel Bookcase With 4 Doors, Godrej Make	0.24	-	0.24		minor asset
16	25 Nos. Of Office Furnitures	4.19	-	4.19		minor asset
17	2 Nos. Of 24U & 1 Nos. Of 42U Network Server Racks / Floor Standing Units, Brand - Netrack	1.17	-	1.17		minor asset
18	3 Nos. Of Access Layer Network Switch For Lan, Digisol	0.96	-	0.96		minor asset
19	2 Nos. Of 6KVA Vertiv UPS & Accessories	4.97	-	4.97		minor asset
20	8 Nos. Of HP CIS Sheet Feed & Flat Bed Scanner	1.84	-	1.84		minor asset
21	3 Nos. Of HP Probook 440G8 PN-678R0AV	2.97	-	2.97		minor asset
22	Re-Alignment of 33KV HT Line	29.38	-	29.38		Addcap after cut offf date not allowed
23	26 Nos. Of Motorola Digital Two-Way Radio Sets	4.67	-	4.67		minor asset

24	Running Letter LED Display Board (4" X 1')	0.41	-	0.41		minor asset
25	Washing Machine, Godrej Make, Capacity - 7 KG	0.26	-	0.26		minor asset
26	Aquaguard Fully Automatic With Auto Cut-Off, RO +UV	0.20	-	0.20		minor asset
27	35 Nos. Plastic Cushioned Chair, Make: Supreme, Model: Omate	0.98	-	0.98		minor asset
28	1 Nos. Of Canon Multifunction Photocopier Machine	1.03	-	1.03		minor asset
29	PCC Drain & periphery sides At Permenent Residential Building, PH-01 & PH-02	8.12	-	8.12		minor asset
30	Foundation @ 132KV SY Circuit Breaker	1.29	-	1.29		minor asset
31	2 Nos. Of Luminous 0.8 KVA/3456 VAH Trolley Inverter	0.64	-	0.64		minor asset
32	Vertiv Online UPS Of 6.0 KVA	2.98	-	2.98		minor asset
33	Open Sitting Arear Near P.H. Main Gate, Hez	12.17	-	12.17		minor asset
34	Intake Platform At Intake Site, PLHPS	19.00	-	19.00		minor asset
35	Secondary Water Tank At D-Type Colony, 43 KM	39.49	-	39.49		Addcap after cut off date not allowed
36	Sanda Make GPS Control Unit, Model - System	3.64	-	3.64		Addcap after cut off date not allowed
37	Self Priming Monoblock Pump, Havells Make	0.13	-	0.13		minor asset
38	Footpath & Divider Kerb, PLHPS_43 KM Entrance	8.76	-	8.76		minor asset
39	Protective Barrier Inside DPH Colony, PH-Hez	15.58	-	15.58		Addcap after cut off date not allowed
40	CC Road & Drain Near SBI To Main Gate, 43KM	20.15	-	20.15		Addcap after cut off date not allowed
41	Driver Barrack At D-Type Colony, 43 KM	34.51	-	34.51		Addcap after cut off date not allowed
42	Welcome Gate At 43 KM Colony	59.10	-	59.10		Addcap after cut off date not allowed
43	Driver Barrack At D-Type Colony, 43 KM (Internal Electrification)	4.34	-	4.34		Addcap after cut off date not allowed
44	Diversion Wall At Raw Water Intake, Ruh Village	4.48	-	4.48		Addcap after cut off date not allowed
45	Hume Pipe Drain & Footpath At Heliped, 43 KM	9.20	-	9.20		Addcap after cut off date not allowed
48	NRC Building, Hez	142.36	-	142.36		Addcap after cut off date not allowed
49	Side PCC Drain Near NRC Building, Hez	14.64	-	14.64		Addcap after cut off date not allowed
50	Toilet Bathroom For Driver Barrack, Block No.1	15.97	-	15.97		Addcap after cut off date not allowed
51	Permanent Water Supply System At Hez	84.76	-	84.76		Addcap after cut off date not allowed
52	2 Nos. Of 250KVA 11/0.415 KV Distribution Transformer	17.90	0.00	17.90		O&M spare
53	2 Nos. Of 630KVA 11/0.415 KV Distribution Transformer	28.93	0.00	28.93		O&M spare
54	2 Nos.Of Single Acting Jack XLI050150 50T 150mm 700 Kg/cm²	3.80	0.00	3.80		O&M spare
55	2 Nos.Of Single Acting Jack XLI050150 50T 85mm 700 Kg/cm²	1.17	0.00	1.17		O&M spare
56	2 Nos. Of Draft Tube Gate For Unit-I & Unit-II	148.55	-	148.55		O&M spare
57	Union Office At 43 KM, PLHPS	33.00	0	33.00		O&M spare
	TOTAL 23-24:	843.48	-	843.48		
	TOTAL EXCLUSIONS:	1,892.87	25.87	1,867.00		

Note: 1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc.
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

(Petitioner)

PART-II
FORM- 9BI

Details of Assets De-capitalized during the period

Name of the Petitioner: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

S. No.	Name of the Asset	ASSET ID	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalized	Year Put to use	Depreciation recovered till date of de-capitalization
(1)	(2)		(3)	(4)	(5)	(6)
	2019-2020					
1	Fire Tender (M&M Chassis)	0900199521240FFEQ0017	ACE	3.74	25	3.37
2	2 Nos. Of Distribution Transformers	0900201121586TRNS0005 & 0900199621505TRNS0002	ACE	23.84	9	14.91
3	33KV HT Line (Pole-43KM)	0900200123087RLT0001	ACE	12.97	19	11.67
4	33KV SF6 Outdoor Breaker	0900200121599SEQ0001	ACE	2.92	19	2.63
5	Television (Damaged TV De-Capitalized)	0900201432100HTHS009	Exclusions	0.22	6	0.06
6	Water Purifier (Aquaguard ARD 200)	0900201032060FEQ0123	Exclusions	0.10	10	0.10
7	Hot Air Blower	0900201532100001 0032	Exclusions	0.03	5	0.03
8	Hot Air Blower	0900201532100001 0033	Exclusions	0.03	5	0.03
9	Hot Air Blower	0900201532100001 0034	Exclusions	0.03	5	0.03
10	Chair With Cusion	0900200403001FRTN0359	Exclusions	0.05	16	0.05
11	Chair With Cusion	0900201333001FRTN0577	Exclusions	0.12	7	0.00
12	Chair With Cusion	0900201333001FRTN0578	Exclusions	0.12	7	0.00
13	Table	0900200003001FRTN0175	Exclusions	0.11	20	0.11
14	Godrej Defender Safe	0900199803001FRTN0139 A	Exclusions	0.36	30	0.36
15	Table, T-8	0900200003001FRTN0171	Exclusions	0.11	20	0.11
16	Godrej Table, T-8	0900199303001FRTN0898 (D)	Exclusions	0.03	31	0.03
17	Aqua Storage Water Filter	0900201143061FAMV0005	Exclusions	0.04	9	0.04
18	Topaz Supreme Chair	0900201842080030006	Exclusions	0.01	4	0.01
19	Topaz Supreme Chair	0900201842080030015	Exclusions	0.01	4	0.01
20	Topaz Supreme Chair	0900201642080030021	Exclusions	0.01	4	0.01
21	Topaz Supreme Chair	0900201642080030034	Exclusions	0.01	4	0.01
22	Topaz Supreme Chair	0900201642080030046	Exclusions	0.01	4	0.01
23	Usha Mixer Grinder, Model No-MG2553	0900201242080FAMV0025	Exclusions	0.04	8	0.04
				0		0
	TOTAL DECAP FY'2019-2020:			44.88		33.62
	2020-2021			-		0
1	Write-Off Of 3 Nos. Of Damaged Televisions	0900200442060AVEQ0008, 0900201142060AVEQ0019 & 0900200142060AVEQ0020	Exclusions	0.52	12	0.35
2	Write-Off Of Damaged EDP Items	RHEP, HQP O/O No-09/2020 Dated 12.10.2020	Exclusions	18.45	10	18.45
3	Diesel Generating Station	380 KVA DG Set (Written-Off), 0900200121330GSNE006	Exclusions	14.97	20	13.47
4	Electrical & Auxiliary Equipment	Approved By RHEP, HQP O.O No-04 & 05 Dated 03.04.2021	Exclusions	0.04	6	0.04
5	Workshop Equipments		Exclusions	0.25	9	0.22
6	Ordinary Tools & Plants		Exclusions	1.73	18	1.56
7	Camp Equipments		Exclusions	0.00	17	0.00
8	Special Tools & Plants		Exclusions	7.87	20	7.81
9	Transport Equipments		Exclusions	0.21	15	0.19
10	Furniture Township		Exclusions	38.62	20	36.51
11	Other EDP Equipments		Exclusions	2.93	6	2.53
12	Office Equipments		Exclusions	11.09	7	10.93
13	Inter/or Communication Equipments -Township		Exclusions	0.98	9	0.88
14	Drawing Equipments		Exclusions	0.21	7	0.21
15	Miscellaneous Equipments		Exclusions	5.14	8	5.12
16	Audio Visual Equipments		Exclusions	0.11	8	0.05
17	Minor Value Fixed Assets		Exclusions	2.56	7	2.55
				0		0
	TOTAL DECAP FY'2020-2021:			101.07		98.36
	2021-2022			0		0
1	Office Equipment	0900200153050FEQ0014	Exclusions	1.35	20	1.21
2	Workshop Equipments	Ref. Annexure -A	Exclusions	0.01	30	0.01
3	Camp Equipments		Exclusions	0.01	30	0.01
4	Furniture-Township		Exclusions	0.03	32	0.03
5	Furniture & Fixture - Others		Exclusions	0.20	32	0.20
6	Other E.D.P Machines		Exclusions	0.00	31	0.00
7	Office Equipments		Exclusions	0.01	30	0.01

8	School Equipments		Exclusions	0.02	30	0.01
9	Interior Communication Equipments		Exclusions	0.01	30	0.01
10	Books & Manuals		Exclusions	0.01	30	0.01
11	Minor Value Assets		Exclusions	3.00	30	3.66
12	Interior Communication Equipment - Township	Ref. Annexure -8	Exclusions	0.99	13	0.99
13	Guest House Equipments		Exclusions	0.05	7	0.20
14	Furniture- Township		Exclusions	0.11	32	0.11
15	Residential building Township		Exclusions	0.57	0	0.01
16	Boundary Wall		Exclusions	0.23	0	0.00
17	Adjustments	Inter Unit transfer/head transfer	Exclusions	1.00		-
		TOTAL DECAP FY'2021-2022:		5.56		5.47
	2022-2023			0		0
1	10 Ton Mobile Crane Cnc No. Til Model Ltlle	10180100048I	ACE	12.65	25	12.05
2	DG SET-5	10131700007	ACE	37.47	21	33.72
3	Square Drive Torque Wrench	10130900007L	ACE	10.48	7	4.50
4	HP 440 G7 I5-10210U Win 10Pro Laptop	10100300419S	Exclusions	0.84	4	0.84
5	Furniture- Township	Damaged Assets Written Off As Per Physical Verification Of FY 22-23	Exclusions	3.60	20	2.87
6	Fixed Assets of Minor Value >750 and < 5000		Exclusions	1.07	20	1.07
7	Temporary Residential Bldg 100%		Exclusions	36.66	20	36.66
8	Miscellaneous Equipment		Exclusions	1.17	20	1.17
9	Electrical Auxiliary Equipments		Exclusions	0.06	20	0.02
10	Transport Equipment		Exclusions	4.03	20	3.63
11	Special Tools and Plants		Exclusions	0.63	20	0.60
12	Workshop Equipment		Exclusions	0.46	20	0.42
13	Office Equipment			0.18	20	0.18
14	Adjustments	Inter Unit transfer/head transfer	Exclusions	0.40		0
		TOTAL DECAP FY'2022-2023:		117.72		99.73
	2023-2024			-		0
1	Laptop Written Off Upon Superannuation, M.L.Kumhar	As Per IT Policy	Exclusions	0.40	4	0.40
2	Laptop Written Off Upon Superannuation, Tanya Taj	As Per IT Policy	Exclusions	0.40	4	0.40
3	Laptop Written Off Upon Superannuation, B.K.Gewala	As Per IT Policy	Exclusions	0.40	4	0.40
4	Communication equipment	FLM Noted/sent No - Note Sheet/Finance/Assets/Write-Off/3/RHEP/16/03/2024 (Approval Date - 22.03.2024)	Exclusions	0.19	20	0.03
5	Other Equipments		Exclusions	1.97	20	0.48
6	Low Value Assets		Exclusions	0.47	20	0.47
7	Furniture and fixtures		Exclusions	0.40	20	0.40
8	EDP, WP machines & SATCOM equipment		Exclusions	7.62	20	7.62
9	Hospital equipment		Exclusions	0.33	20	0.09
10	Temporary erection		ACE	37.42	20	37.42
11	Other Office Equipments		Exclusions	0.10	20	0.10
12	Construction equipment		Exclusions	0.70	20	0.17
13	Plant and machinery		ACE	3.12	20	0.59
				-		0
		TOTAL DECAP FY'2023-2024:		93.44		48.93

Note: Year wise detail need to be submitted.

(Petitioner)

Statement of Capital cost
(To be submitted for relevant dates and year wise)

PART-II FORM- 9E
(Amount in Rs. Lakh)

Name of the Petitioner: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station: PANYOR LOWER HYDRO POWER STATION, YAZ/

S. No.	Particulars	3/31/2020 Accrual Basis	3/31/2021 Accrual Basis	3/31/2022 Accrual Basis	3/31/2023 Accrual Basis	3/31/2024 Accrual Basis
A	a) Opening Gross Block Amount as per books	154,708.06	157,098.44	158,209.60	160,661.86	163,125.20
	b) Amount of IDC in A(a) above	-	-	-	-	-
	c) Amount of FC in A(a) above	-	-	-	-	-
	d) Amount of FERV in A(a) above	-	-	-	-	-
	e) Amount of Hedging Cost in A(a) above	-	-	-	-	-
	f) Amount of IEDC in A(a) above	-	-	-	-	-
B	a) Addition in Gross Block Amount during the period (Direct purchases)	2,512.38	919.83	1,209.17	3,103.27	3,048.13
	b) Amount of IDC in B(a) above	-	-	-	-	-
	c) Amount of FC in B(a) above	-	-	-	-	-
	d) Amount of FERV in B(a) above	-	-	-	-	-
	e) Amount of Hedging Cost in B(a) above	-	-	-	-	-
	f) Amount of IEDC in B(a) above	-	-	-	-	-
C	a) Addition in Gross Block Amount during the period (Transferred from CWIP)	433.05	91.40	83.74	427.88	991.83
	b) Amount of IDC in C(a) above					
	c) Amount of FC in C(a) above					
	d) Amount of FERV in C(a) above					
	e) Amount of Hedging Cost in C(a) above					
	f) Amount of IEDC in C(a) above					
D	a) Deletion in Gross Block Amount during the period	44.05	101.07	9.50	117.72	53.44
	b) Amount of IDC in D(a) above					
	c) Amount of FC in D(a) above					
	d) Amount of FERV in D(a) above					
	e) Amount of Hedging Cost in D(a) above					
	f) Amount of IEDC in D(a) above					
E	a) Closing Gross Block Amount as per books	157,098.44	158,209.60	159,021.93	163,124.20	167,311.92
	b) Amount of IDC in E(a) above	-	-	-	-	-
	c) Amount of FC in E(a) above	-	-	-	-	-
	d) Amount of FERV in E(a) above	-	-	-	-	-
	e) Amount of Hedging Cost in E(a) above	-	-	-	-	-
	f) Amount of IEDC in E(a) above	-	-	-	-	-

Note: 1. Relevant details regarding date of COD of unit/station and financial year start date and end date

(Pat Cover)

PART-II
FORM-9F

Statement of Capital works in Progress

(To be given for relevant dates and year wise)

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION, AP

Rs. In Lakhs

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
A	a) Opening CWIP as per books	351.19	98.32	138.07	283.49	526.41
	b) Amount of IDC in A(a) above					
	c) Amount of FC in A(a) above					
	d) Amount of FERV in A(a) above					
	e) Amount of Hedging Cost in A(a) above					
	f) Amount of IEDC in A(a) above					
B	a) Addition in CWIP during the period	180.18	119.43	231.16	670.61	4,081.10
	b) Amount of IDC in B(a) above					
	c) Amount of FC in B(a) above					
	d) Amount of FERV in B(a) above					
	e) Amount of Hedging Cost in B(e) above					
	f) Amount of IEDC in B(a) above					
C	a) Transferred to Gross Block Amount during the period	433.05	91.40	85.74	427.69	591.03
	b) Amount of IDC in C(a) above					
	c) Amount of FC in C(a) above					
	d) Amount of FERV in C(a) above					
	e) Amount of Hedging Cost in C(a) above					
	f) Amount of IEDC in C(a) above					
D	a) Deletion in CWIP during the period	-	9.71	-		-
	b) Amount of IDC in D(a) above					
	c) Amount of FC in D(a) above					
	d) Amount of FERV in D(a) above					
	e) Amount of Hedging Cost in D(a) above					
	f) Amount of IEDC in D(a) above					
E	a) Closing CWIP as per books	98.32	138.07	283.49	526.41	4,016.47
	b) Amount of IDC in E(a) above					
	c) Amount of FC in E(a) above					
	d) Amount of FERV in E(a) above					
	e) Amount of Hedging Cost in E(a) above					
	f) Amount of IEDC in E(a) above					

Note:
1.Relevant dates means date of COD of unit/s/station and financial year start date and end date

Petitioner

Calculation of Depreciation

PART-II
FORM-11

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION (Formerly Ringnadi)

(Amount in Rs. Lakh)

Sl. No.	Name of the Assets [1]	Gross Block as on 31.03.2009 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.04	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year upto 31.3.2014
	1	2	3	4=Col.2 X Col.3
	FY 2018-19	GB AS ON 31-03-2018		DEP FOR FY 2018-19
1	Free Hold Land Plant - Office	239.68		-
2	Road Bridges & Culvert	1,155.48		21.67
3	Main Plant Building - Civil	6,499.54		148.12
4	Permanent Residential Bldg	2,639.65		66.83
5	Boundary / Other Walls	373.29		10.57
6	Permanent Non Residential Bldg	361.02		12.52
7	Temporary Residential Bldg. 100%	948.19		-
8	Temporary Non Residential Building 100%	692.17		-
9	Sewerage & Effluent Disposal System-Plan	6.70		0.02
10	Water Supply System - Township	100.76		2.03
11	Reservoir & Dam	40,460.00		869.89
12	Main Tunnel	43,070.54		1,031.11
13	Steel Liner & Penstock	9,499.59		102.95
14	Control & Instrumentation Equipment	0.53		0.02
15	Service & General Station Equipment	8.35		0.01
16	Electrical Auxiliary Equipments	73.41		2.84
17	Chimney	1.38		0.02
18	Water Treatment Plant	20.29		0.63
19	Switchgear including cable connection	7,122.67		118.09
20	Fire Fighting System	1.60		0.32
21	Workshop Equipment	23.61		0.58
22	Fire Fighting Equipment	29.53		0.60
23	Survey Equipment	1.38		0.02
24	Laboratory Equipment	11.01		0.43
25	Diesel Generating station	209.16		-
26	Sub Station Equipment	69.41		1.65
27	Transformer having rating of 100 KVA & Above	3,561.45		80.58
28	Ordinary Tools and Plants	45.95		1.38
29	400/220/132 KV Switchyards At NEEPCO Sites	667.33		44.38
30	Plant and Machinery in Gen Station	33,749.88		649.09
31	Deep Equipment (Minor)	0.81		-
32	Special Tools and Plants	1,215.36		12.16
33	Township Power Supply System	0.67		0.04
34	11KV Transmission Line	156.88		-
35	33KV Transmission Line	159.37		3.14
36	Other Electrical Installations	3.42		0.15
37	Permanent Power Supply System	11.53		0.47
38	Transport Equipment	61.87		0.33
39	Furniture-Township	168.32		1.46
40	Furniture and Fixtures (Others)	31.19		1.35
41	Fixture Partition in Old Building	14.14		0.93
42	Furniture and Fixtures Plant / Office	2.74		0.05
43	Satellite Communication System	7.39		0.27
44	Other EDP Machines	183.89		5.17
45	Refrigerator, Air Cooler	78.81		3.19
46	Office Equipment	97.14		0.89
47	Hospital Equipments	3.94		0.14
48	School Equipments	0.36		0.03
49	Other Township Equipments	0.50		0.02
50	Guest House Equipment	4.04		0.16
51	Interior Communication Equipment - Township	11.06		0.31
52	Interior Communication Equipment - Plant/Office	7.57		0.31
53	Telephone Lines	17.64		-
54	Drawing Equipment (Minor)	0.21		-
55	Miscellaneous Equipment	53.74		0.39
56	Tools & Plants	0.41		0.02
57	Audio Visual Equipment	41.41		0.97
58	Bicycle (Minor)	-		-
59	Books & Manuals	2.72		-
60	Fixed Assets of Minor Value >150 and < 5000	8.89		0.05
	TOTAL : FY 2018-19	154,706.06		
	FY 2019-20	GB AS ON 31-03-2019		DEP FOR FY 2019-20
1	Free Hold Land Plant - Office	239.68		-
2	Road Bridges & Culvert	1,297.80		30.58
3	Main Plant Building - Civil	6,530.81		121.23
4	Permanent Residential Bldg	2,845.85		53.50
5	Boundary / Other Walls	615.87		10.81
6	Permanent Non Residential Bldg	429.27		11.82
7	Temporary Residential Bldg. 100%	948.19		-

8	Temporary Non Residential Building 100%	692.17		-
9	Sewerage & Effluent Disposal System-Plan	6.70		0.25
10	Water Supply System - Township	100.76		2.45
11	Water Supply System-Township (PH Complex)	46.56		1.76
12	Reservoir & Dam	40,674.66		643.35
13	Main Tunnel	43,091.28		688.78
14	Steel Liner & Penstock	9,486.28		129.00
15	Control & Instrumentation Equipment	0.53		0.02
16	Service & General Station Equipment	0.35		0.01
17	Electrical Auxiliary Equipments	74.80		2.39
18	Chimney	1.36		0.05
19	Water Treatment Plant	23.29		0.79
20	Switchgear including cable connection	7,152.38		93.77
21	Fire Fighting System	7.60		0.30
22	Workshop Equipment	29.01		0.53
23	Fire Fighting Equipment	45.39		1.72
24	Survey Equipment	1.18		0.00
25	Laboratory Equipment	13.24		0.39
26	Diesel Generating station	209.76		-
27	Sub Station Equipment	47.50		1.31
28	Transformer having rating of 100 KVA & Above	3,637.61		41.26
29	Ordinary Tools and Plants	46.11		1.65
30	400/220/132 KV Switchyards At NEEPCO Sites	1,001.70		35.62
31	Plant and Machinery in Gas Station	31,370.67		553.49
32	Camp Equipment (Minor)	0.01		-
33	Special Tools and Plants	2,697.44		27.15
34	Township Power Supply System	0.97		0.33
35	11KV Transmission Line	155.69		-
36	33KV Transmission Line	146.40		1.85
37	Other Electrical Installations	3.42		0.12
38	Permanent Power Supply System	11.53		0.37
39	Transport Equipment	84.86		0.26
40	Furniture- Township	146.43		0.90
41	Furniture and Fixtures (Others)	24.16		0.73
42	Fixture Partition in Old Building	14.14		0.48
43	Furniture and Fixtures Plant / Office	2.74		0.04
44	Satellite Communication System	7.89		0.21
45	Other EDP Machines	224.93		0.69
46	Refrigerator,Air-Cooler, Water-Cooler, Air- Conditioner-Township	0.35		0.01
47	Refrigerator, Air Cooler	79.24		2.53
48	Office Equipment	75.23		0.47
49	Hospital Equipments	7.14		0.28
50	School Equipments	1.26		0.02
51	Other Township Equipments	0.50		0.02
52	Guest House Equipment	4.94		0.13
53	Interior Communication Equipment - Township	11.06		0.21
54	Interior Communication Equipment - Plant/Office	7.57		0.25
55	Telephone Lines	17.64		-
56	Drawing Equipment (Minor)	0.21		-
57	Miscellaneous Equipment	53.00		0.41
58	Tools & Plants	0.01		0.01
59	Audio Visual Equipment	44.50		0.81
60	Bicycle (Minor)	-		-
61	Books & Manuals	2.72		-
62	Fixed Assets of Minor Value >750 and <5000	8.86		0.15
	TOTAL : FY 2019-20	157,886.44		2,471.01
	FY 2020-21	GROSS GFA 3145.9901		DEPRECIATION FY 2020-21
1	Free Hold Land Plant - Office	239.68		-
2	Road Bridges & Culvert	1,227.82		21.72
3	Main Plant Building - Civil	6,536.85		121.39
4	Permanent Residential Bldg	2,787.56		76.80
5	Boundary / Other Walls	810.23		23.62
6	Permanent Non Residential Bldg	491.86		13.30
7	Temporary Residential Bldg 100%	948.19		-
8	Temporary Non Residential Building 100%	692.17		-
9	Sewerage & Effluent Disposal System-Plan	6.70		0.25
10	Water Supply System - Township	100.76		2.45
11	Water Supply System-Township (PH Complex)	46.56		1.76
12	Reservoir & Dam	40,682.36		644.50
13	Main Tunnel	43,091.28		689.05
14	Steel Liner & Penstock	9,486.28		129.00
15	Control & Instrumentation Equipment	0.53		0.02
16	Service & General Station Equipment	0.35		0.01
17	Electrical Auxiliary Equipments	97.80		2.96
18	Chimney	1.36		0.05
19	Water Treatment Plant	23.43		0.79
20	Switchgear including cable connection	7,152.38		94.64
21	Fire Fighting System	7.60		0.25
22	Workshop Equipment	29.73		0.71
23	Fire Fighting Equipment	45.66		1.03

24	Survey Equipment	1.18		0.02
25	Laboratory & Motor Testing Equipment	13.24		0.41
26	Diesel Generating station	194.61		-
27	Sub Station Equipment	47.58		1.31
28	Transformer having rating of 100 KVA & Above	3,537.61		41.29
29	Ordinary Tools and Plants	44.77		1.34
30	400/220/132 KV Switchyards At NEEPCO Sites	1,891.70		55.66
31	Plant and Machinery In Gen Station	34,461.82		556.82
32	Camp Equipment (Minor)	0.31		-
33	Special Tools and Plants	2,697.51		66.05
34	Township Power Supply System	0.97		0.03
35	11KV Transmission Line	156.86		-
36	33KV Transmission Line	149.40		1.85
37	Other Electrical Installations	3.42		0.12
38	Permanent Power Supply System	11.53		0.37
39	Transport Equipment	84.85		0.38
40	Furniture- Township	118.72		0.79
41	Furniture and Fixtures (Others)	27.97		1.67
42	Future Partition In Old Building	14.14		0.48
43	Furniture and Fixtures Plant / Office	3.47		0.04
44	Fixtures, Fans - Township	1.12		0.01
45	Satellite Communication System	10.11		0.38
46	Other EDP Machines	224.98		13.48
47	Refrigerator,Air-Cooler, Water-Cooler,Air- Conditioner-Township	0.38		0.01
48	Refrigerator, Air Cooler	81.39		2.95
49	Office Equipment	64.14		1.38
50	Hospital Equipments	7.69		0.49
51	School Equipments	1.26		0.02
52	Other Township Equipments	8.50		0.15
53	Guest House Equipment	8.04		0.21
54	Inter/ar Communication Equipment - Township	10.98		0.25
55	Wireless Communication Equipment - Plant/Office	1.57		0.03
56	Telephone Lines	21.46		-
57	Drawing Equipment (Misc)	-		0.33
58	Miscellaneous Equipment	93.71		0.01
59	Tools & Plants	3.41		0.09
60	Audio Visual Equipment	43.93		-
61	Bicycle (Minor)	-		-
62	Books & Manuals	2.72		0.01
63	Guest House Equipment	0.59		-
64	Fixed Assets of Minor Value >750 and < 5000	0.40		
	TOTAL : FY 2016-17	158,208.60		2,553.28
	FY 2017-18	GB AS ON 31.03.2017		DEP FOR FY 2017-18
1	Free Hold Land Plant - Office	209.66		-
2	Road Bridges & Culvert	1,357.38		28.91
3	Main Plant Building - CW	6,539.05		121.39
4	Permanent Residential Bldg	2,870.10		58.61
5	Boundary / Other Walls	1,289.29		34.35
6	Permanent Non Residential Bldg	633.79		15.58
7	Temporary Residential Bldg. 100%	948.19		-
8	Temporary Non Residential Building 100%	692.17		-
9	Sewerage & Effluent Disposal System-Plan	7.60		0.20
10	Water Supply System - Township	101.34		2.46
11	Water Supply System-Township (PH Complex)	65.99		1.78
12	Reservoir & Dam	40,693.01		644.52
13	Main Tunnel	43,081.21		688.05
14	Steel Liner & Penstock	6,485.21		120.00
15	Control & Instrumentation Equipment	1.00		0.03
16	Surface & Cement Station Equipment	0.35		0.01
17	Electrical Auxiliary Equipments	98.73		3.34
18	Chimney	1.36		0.05
19	Water Treatment Plant	23.27		0.78
20	Switchgear including cable connection	7,182.38		94.64
21	Fire Fighting System	14.27		0.41
22	Workshop Equipment	28.17		0.82
23	Fire Fighting Equipment	43.51		1.65
24	Survey Equipment	1.13		0.02
25	Laboratory & Motor Testing Equipment	13.24		0.43
26	Diesel Generating station	202.71		0.61
27	Sub Station Equipment	47.30		1.31
28	Transformer having rating of 100 KVA & Above	3,648.91		41.29
29	Ordinary Tools and Plants	28.84		0.87
30	400/220/132 KV Switchyards At NEEPCO Sites	1,891.70		55.66
31	Plant and Machinery In Gen Station	34,464.29		561.57
32	Camp Equipment	-0.08		-
33	Special Tools and Plants	2,695.38		65.30
34	Township Power Supply System	0.97		0.03
35	11KV Transmission Line	156.86		0.00
36	33KV Transmission Line	149.40		1.85
37	Other Electrical Installations	3.42		0.12
38	Permanent Power Supply System	11.53		0.37

39	Transport Equipment	89.62		0.47
40	Furniture- Township	114.19		1.23
41	Furniture and Fixtures (Others)	25.58		0.81
42	Fixture Partition In Old Building	14.14		0.46
43	Furniture and Fixtures Plant / Office	2.09		0.07
44	Fixtures, Fixes -Township	1.12		0.05
45	Satellite Communication System	9.59		0.30
46	Other EDP Machines	252.05		22.05
47	Refrigerator,Air-Cooler, Water-Cooler, Air- Conditioner-Township	0.59		0.01
48	Refrigerator, Air Cooler	85.02		2.64
49	Office Equipment	58.64		0.67
50	Hospital Equipments	7.42		0.24
51	School Equipments	0.29		0.01
52	Other Township Equipments	0.50		0.02
53	Guest House Equipment	11.62		0.18
54	Interior Communication Equipment - Township	9.08		0.21
55	Interior Communication Equipment - Plant/Office	12.04		0.27
56	Telephone Lines	21.48		0.16
57	Drawing Equipment (Minor)	-		-
58	Miscellaneous Equipment	50.56		0.37
59	Tools & Plants (E)	58.32		0.73
60	Audio Visual Equipment	47.18		0.57
61	Bicycle (Minor)	-		-
62	Books & Manuals	2.64		-
63	Guest House Equipment	0.09		0.03
64	Fixed Assets of Minor Value >750 and <5000	17.16		0.54
	TOTAL : FY 2021-22	193,911.16		2,598.93
	FY 2022-23	GB AS ON 31-03-2023		DEP TOT FY 2022-23
1	Free Hold Land Plant - Office	239.08		-
2	Road Bridges & Culvert	2,949.55		69.27
3	Main Plant Building - Civil	6,536.85		121.56
4	Permanent Residential Bldg	3,157.40		69.08
5	Boundary / Other Walls	1,539.97		53.47
6	Permanent Non Residential Bldg	813.81		24.06
7	Temporary Residential Bldg. 100%	909.52		-
8	Temporary Non Residential Building 100%	882.17		-
9	Sewerage & Effluent Disposal System-Plan	7.80		0.26
10	Water Supply System - Township	236.70		7.88
11	Reservoir & Dam	40,983.01		844.53
12	Main Tunnel	43,681.29		899.08
13	Steel Liner & Penstock	5,486.29		129.00
14	Control & Instrumentation Equipment	1.80		0.04
15	Service & General Station Equipment	0.35		0.01
16	Electrical Ancillary Equipments	163.66		3.66
17	Chimney	1.36		0.05

18	Water Treatment Plant	23.03		0.79
19	Switchgear including cable connection	7,210.48		99.63
20	Fire Fighting System	14.27		0.92
21	Workshop Equipment	49.50		1.36
22	Fire Fighting Equipment	45.31		1.66
23	Survey Equipment	1.13		0.03
24	Laboratory & Water Testing Equipment	16.64		0.61
25	Diesel Generating station	264.88		1.39
26	Sub Station Equipment	499.91		9.95
27	Transformer having rating of 100 KVA & Above	4,232.76		63.65
28	Working Tools and Plants	33.49		0.86
29	400/220/132 KV Switchyards At NEEPCO Sites	1,081.70		35.68
30	Plant and Machinery in Gen Station	34,661.27		571.36
31	Special Tools and Plants	2,709.38		97.22
32	Township Power Supply System	0.97		0.03
33	11 KV Transmission Line	169.39		9.23
34	33 KV Transmission Line	165.03		3.21
35	Other Electrical Installations	3.42		0.12
36	Permanent Power Supply System	11.53		0.37
37	Transport Equipment	88.39		0.88
38	Furniture- Township	183.50		2.87
39	Satellite Communication System	9.33		0.33
40	Other EDP Machines	253.65		21.03
41	Refrigerator, Air Cooler	66.23		2.61
42	Office Equipment	60.39		0.75
43	Hospital Equipments	7.67		0.25
44	School Equipments	3.68		0.30
45	Other Township Equipments	0.73		0.05
46	Guest House Equipment	25.69		0.69
47	Interior Communication Equipment - Township	23.91		0.52
48	Telephone Lines	21.49		0.16
49	Miscellaneous Equipment	48.18		0.37
50	Tools & Plants (L)	56.77		2.13
51	Audio Visual Equipment	56.65		1.23
52	Books & Manuals	2.04		-
53	Fixed Assets of Minor Value > 5K and < 5000	16.86		1.12
54	Inverters including Battery Bank	3.93		0.01
	TOTAL : FY 2003-04	163,121.20		2,883.46
	FY 2003-04	DB AS ON 31-03-2004		DEP FOR FY 2003-04
1	Freehold Land	280.88		-
2	Roads, bridges, culverts & hillpads	3,242.84		101.30
3	Main Plant Buildings	6,538.85		121.39
4	Other Buildings	7,602.57		283.67
5	Temporary erection	1,994.26		-
6	Water supply, drainage & sewerage	366.61		9.85
7	Dam, Dyke, Reservoir & Other Hydraulic W	83,850.59		1,462.57
8	Plant and machinery	40,480.99		838.86
9	Furniture and fixtures	170.99		3.01
10	Other Office Equipments	194.85		3.60
11	EDP, WP machines & SAT COM equipment	265.12		22.59
12	Vehicles including aircrafts	88.39		0.63
13	Construction equipment	2,764.05		28.95
14	Electrical installations	335.20		4.03
15	Communication equipment	99.93		8.73
16	Hospital equipment	8.28		0.28
17	Laboratory and workshop equipment	85.54		2.00
18	Other Equipments	138.58		3.00
19	Low Value Assets	17.43		1.05
	TOTAL : FY 2003-04	157,311.02		2,945.59
	TOTAL	960,804.18		13,137.35
	Weighted Average Rate of Depreciation (%)			

*Provide details of Freehold land, Lease hold land and Land under reservoir separately

Note :

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

NOT APPLICABLE

(Petitioner)

PART-II
FORM-12

Statement of Depreciation

Name of the Company : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Power Station : PANYOR LOWER HYDRO POWER STATION

(Amount in lacs)

Particulars	Upto 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Capital Cost Opening	147792.36	148944.31	151752.22	152027.57	153326.80	156277.16
Capital Cost Closing	148944.31	151752.22	152027.57	153326.80	156277.16	159624.23
Average Capital Cost	148368.34	150348.26	151889.89	152677.18	154801.98	157950.70
Land Value	0.00	0.00	0.00	0.00	0.00	0.00
Rate of depreciation	NA					
Depreciable Value	133531.50	134049.88	136576.99	136824.81	137994.12	140649.44
Balance useful life	19.03	23.59	22.59	21.59	20.59	19.59
Cumulative Depreciation upto previous year	98362.60	100210.68	101612.57	103160.36	104719.62	106285.40
Remaining Depreciable Value	35168.90	33839.20	34964.42	33664.45	33274.50	34364.04
Depreciation (for the period)	1848.08	1434.47	1547.78	1559.26	1616.05	1754.16
Depreciation (Annualized)	1848.08	1434.47	1547.78	1559.26	1616.05	1754.16
Cumulative Depreciation at the end of the period	100210.68	101645.15	103160.36	104719.62	106335.67	108039.56
Less: Cumulative depreciation adjustment on account of undischarged liabilities deduced as on 01.04.2009/COD	0.00	0.00	0.00	0.00	0.00	0.00
Less: Cumulative depreciation adjustment on account of decapitalization (Refer: Form 9B)		32.58	0.00	0.00	50.27	37.99
Net Cumulative Depreciation at the end of the period	100210.68	101612.57	103160.36	104719.62	106285.40	108001.58

PETITIONER

PART-II
FORM-13B

Calculation of Interest on Working Capital

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

(Amount in lacs)

Sl. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Maintenance Spares	1204.53	1887.65	1973.31	2058.02	2156.59	2248.09
2	Receivables	4253.8	3640.96	3732.03	3829.39	3910.09	4045.48
3	O & M Expenses	798.07	1048.70	1096.23	1143.34	1198.11	1248.94
4	**Total Working Capital**	**6676.50**	**6577.31**	**6801.46**	**7010.75**	**7264.79**	**7542.51**
5	Rate of Interest	13.50%	12.05%	11.29%	10.50%	10.50%	12.00%
6	**Interest on Working Capital**	**901.33**	**792.57**	**765.16**	**736.13**	**762.80**	**905.10**

Security Expenses(CISF) during 2019-24 DHPP

	2019-20	2020-21	2021-22	2022-23	2023-24
Security Expenses(CISF)	488.49	482.26	443.63	467.97	414.98
Security Expenses(Other)					
Total	**488.49**	**482.26**	**443.63**	**467.97**	**414.98**

PETITIONER

PART-II
FORM-13C

Non-Tariff Income

Name of the Hydro Asset: PANYOR LOWER HYDRO POWER STATION (Formerly Rangandi)

S.No.	Parameters	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Interest from Employees on Loans	0.54	1.59	1.00	1.15	1.37	0.24
2.	Sale of Tender forms Indian Currency	1.81	0.98	0.73	1.41	0.05	0.23
3.	Sale of Scraps	-	-	0.07	0.12	0.03	-
4.	Transit Hostel Income/rent	1.79	1.40	1.35	0.02	1.21	0.92
5.	Other Miscellaneous Receipts (Including filing	7.51	0.36	0.26	0.27	1.40	1.15
5.	Gain on Asset Sale	-	-	-	-	1.10	0.23
6.	Rent Receipt Non Residential	1.37	0.75	0.89	-	-	-
7.	Interest Incomess per Comp Adv amortisation	0.32	0.35	0.33	-	-	-
8.	Interest Incomess per Furn Adv amortisation	0.09	0.09	0.09	-	-	-
9.	Recovery of Rent-Employees Res Bldgs	-	-	-	0.35	0.32	1.00
10.	Rent recov from others- Non residential	-	-	-	0.07	0.08	0.05
11.	Liquidated Damages Recovered	-	-	-	0.03	-	0.83
	TOTAL (INR)	13.41	5.63	4.70	5.23	15.48	5.35

(Petitioner)

PART-II
FORM-15B

Design energy and MW Continuous (month wise) - ROR type stations

Name of the Petitioner :NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION, YAZALI, A.P.

Generating Company: NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Name of Hydro-electric Generating Station : PANYOR LOWER HYDRO POWER STATION (Formerly Ranganadi)

Installed Capacity : No of units X MW = 3 X 135

Month		Design Energy * (MUs)	MW Continuous *
April	I	21.12	405
	II	23.80	405
	III	38.88	405
May	I	38.47	405
	II	29.70	405
	III	22.27	405
June	I	46.88	405
	II	92.34	405
	III	92.34	405
July	I	52.48	405
	II	46.00	405
	III	89.56	405
August	I	38.18	405
	II	31.12	405
	III	39.09	405
September	I	28.22	405
	II	92.34	405
	III	72.72	405
October	I	30.84	405
	II	25.61	405
	III	33.55	405
November	I	22.93	405
	II	22.19	405
	III	20.78	405
December	I	20.45	405
	II	21.19	405
	III	25.22	405
January	I	19.17	405
	II	18.64	405
	III	24.04	405
February	I	18.24	405
	II	17.77	405
	III	11.43	405
March	I	17.77	405
	II	20.92	405
	III	25.52	405
TOTAL		1293.73	

* As per DPR / TEC of CEA dated ----------

(Petitioner)

DETAILS OF SECURITY EXPENSES

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH

(Rs. In Lakhs)

SL.NO.	PARTICULARS	2019-20	2020-21	2021-22	2022-23	2023-24
		AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
1	SECURITY EXPENSES	488.49	482.26	443.63	467.97	414.98
	TOTAL	488.49	482.26	443.63	467.97	414.98

Statement of Liability Flow: P-1

Name of the Petitioner : NEEPCO
Name of the Generating Station : PLHPS, AP

Sl.No.	Party	Asset / Work	Year of actual capitalisation
	1	2	3
1	ADISON CONSTRUCTION COMPANY	C/O Protection Wall against 400 KV Switch-Yard	2002
2	ATPC SOMA JV	C/O RMT-I	2002
3	BHARAT HEAVY ELECTRICALS LIMITED	SUPPLY OF	2019
4	BANAJIT SARMA	ASSOCIATED CIVIL WORKS OF PH, DIKRONG	2002
5	ELECTROKING	ELECTRIFICATION OF PERMANENT COLONY	2002
6	STEELAGE INDUSTRIES LTD.	FIRE-FIGHTING WORKS OF POWER HOUSE	2002
7	S.MARBANIANG	CIVIL CONSTRUCTION WORKS OF PH, DIKRONG	2002
8	SUJATA ENTERPRISE	SUPPLY OF DEWATERING PUMPS OF DAM	2002
9	TECHNO ELECTRIC & ENGG .CO. LTD	ELECTRICAL ERECTION WORKS OF132/400 KV SWITHCYARD	2002
10	M/S TABA TERI	Breast Wall & Drain along Pitapool Dam site road	2022
11	M/s Chukhu Taro	Protection Wall @ Dam - Intake Road, Dam Site	2023
12	NESAC, SHILLONG	Real-Time Hydro-Met. Monitoring System_NESAC	2024

(Petitioner)

Statement of Liability Flow: P-2

Name of the Petitioner : NEEPCO
Name of the Generating Station : PLHPS, AP

Original Liability	Liability as on 31.03.2019	Liability as on 31.03.2020	Liability as on 31.03.2021	Liability as on 31.03.2022
4	5			
253,970.00	253,970.00	253,970.00	253,970.00	253,970.00
2,820,019.00	2,820,019.00	2,820,019.00	2,820,019.00	2,820,019.00
8,634,243.25	8,634,243.25	-	-	-
45,168.00	45,168.00	45,168.00	45,168.00	45,168.00
719,168.00	719,168.00	719,168.00	719,168.00	719,168.00
2,582,409.00	2,582,409.00	2,582,409.00	2,582,409.00	2,582,409.00
2,799,904.00	2,799,904.00	2,799,904.00	2,799,904.00	2,799,904.00
137,350.00	137,350.00	137,350.00	137,350.00	137,350.00
3,125,158.00	3,125,158.00	3,125,158.00	3,125,158.00	3,125,158.00
1,191,216.66	-	-	-	
2,751,841.64	-	-	-	
2,369,000.00	-	-	-	
27,429,447.55	**21,117,389.25**	**12,483,146.00**	**12,483,146.00**	**12,483,146.00**

14,852,146.00
14,852,146.00

\- CHECK

(Petitioner)

Statement of Liability Flow : P-3

Name of the Petitioner : NEEPCO
Name of the Generating Station : PLHPS, AP

Liability as on 31.03.2023	Liability as on 31.03.2024	Discharges (Yearwise) 2019-2020	Discharges (Yearwise) 2020-2021	Discharges (Yearwise) 2021-2022
		6	-	
253,970.00	253,970.00	-	-	-
2,820,019.00	2,820,019.00	-	-	-
-	-	8,634,243.25	-	-
45,168.00	45,168.00	-	-	-
719,168.00	719,168.00	-	-	-
2,582,409.00	2,582,409.00	-	-	-
2,799,904.00	2,799,904.00	-	-	-
137,350.00	137,350.00	-	-	-
3,125,158.00	3,125,158.00	-	-	-
1,191,216.66				
2,751,841.64	-			
	2,369,000.00			
16,426,204.30	**14,852,146.00**	**8,634,243.25**	**-**	**-**

(Petitioner)

Statement of Liability Flow : P-4

Name of the Petitioner : NEEPCO
Name of the Generating Station : PLHPS, AP

INR

Discharges (Yearwise) 2022-2023	Discharges (Yearwise) 2023-2024	Reversal (Yearwise
		7
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
	1,191,216.66	
	2,751,841.64	
-	3,943,058.30	-

(Petitioner)

PART I
FORM15

Details of Statutory Charges (If Applicable)

Name of the Petitioner: North Eastern Electric Power Corporation LTD

Name of the Generating Station: PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH

(IN LAKHS)

Sl. No.	Particulars	Unit Rate	No of Units	Amount Claimed-2019-20	Amount Claimed-2020-21	Amount Claimed-2021-22	Amount Claimed-2022-23	Amount Claimed-2023-24
1	Electricity Duty							
2	Water Cess							
3	Pollution Control Expenses.			10.14	9.95	10.06	32.00	-
4	Licence Fee			1.42	2.48	1.93	1.49	0.67
TOTAL				11.56	12.45	11.99	33.49	0.67

(Petitioner)

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No. 233/GT/2020

Coram:

Shri I.S. Jha, Member
Shri Arun Goyal, Member
Shri Pravas Kumar Singh, Member

Date of Order: 15th December, 2022

IN THE MATTER OF

Petition for determination of tariff for the 2019-24 tariff period in respect of Ranganadi Hydroelectric Project (405 MW) of NEEPCO Limited.

AND

IN THE MATTER OF

North Eastern Electric Power Corporation Limited
Corporate Office: Brookland Compound
Lower New Colony, Shillong 793003 **...Petitioner**

Vs

1. Assam Power Distribution Company Limited
"Bijulee Bhawan", Paltanbazar
Guwahati 781001, Assam.

2. Meghalaya Power Distribution Corporation Limited
Lumjinshai, Short Round Road
Shillong -799001, Meghalaya.

3. Tripura State Electricity Corporation Limited
Bidyut Bhavan, North Banamalipur,
Agartala -799001, Tripura.

4. Power & Electricity Department,
Government of Mizoram,
New Secretariat Complex,
Kawlpetha, Aizwal- 796001

5. Manipur State Power Distribution Company Limited,
3rd Floor, New Directorate Building, Near 2nd M.R Gate,
Imphal- Dimapur Road, Imphal- 795001, Manipur.

6. Department of Power, Vidyut Bhawan,
Government of Arunachal Pradesh,
Itanagar-791111, Arunachal Pradesh.

7. Department of Power,
Government of Nagaland,
Electricity House, A G Colony,
Kohima- 797001, Nagaland.

8. North Eastern Regional Power Committee,
NERPC Complex, Dong Parmaw Lapalang,
Shillong-793006, Meghalaya.

9. North Eastern Regional Load Despatch Centre
Dongtieh, Lower Nongrah, Lapalang,
Shillong -793006, Meghalaya. ....**Respondents**

Parties Present:

Shri Devapriya Choudhury, NEEPCO
Shri Sushanta Deka, NEEPCO
Shri Munin Choudhury, NEEPCO
Shri Bornali Deori, NEEPCO
Ms. Elizabeth Pyrbot, NEEPCO

ORDER

The Petitioner, NEEPCO Ltd has filed this petition for determination of tariff of Ranganadi Hydroelectric Project (3 x 135 MW) (in short 'the generating station') for the period 2019-24, in accordance with the provisions of the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 (hereinafter referred to as 'the 2019 Tariff Regulations').

Background

2. The generating station comprises of three units of 135 MW each and is a run of the river scheme with pondage, having a Head Race Tunnel and a surface Power House. The tail race discharge of the generating station is diverted to Dikrong River through an open channel of 56 meters length. The date of commercial operation of the three units of the generating station are as under:

Units	COD
Unit-I	12.2.2002
Unit-II	12.2.2002
Unit-III	12.4.2002

3. Petition No. 40/GT/2015 was filed by the Petitioner for approval of tariff of the generating station for the 2014-19 tariff period and the Commission vide its order dated 5.1.2016 in Petition No. 40/GT/2015 had approved the annual fixed charges of the generating station. The annual fixed charges allowed as above, were revised corrigendum order dated 7.3.2016 in Petition No. 40/GT/2015 after applying the effective tax rate applicable for the year 2014-15 for all the years for the tariff period 2014-19. Thereafter, by order dated 7.6.2021 in Petition no. 273/GT/2019, the capital cost and the annual fixed charges of the generating station for the period 2014-19 was revised after truing-up exercise, as follows:

Capital Cost allowed

(Rs. in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Opening Capital Cost	146759.23	147832.47	147858.40	147910.41	147792.36
Additional Capital Expenditure Allowed	1073.24	25.93	52.01	(-) 118.05	772.44
Discharge of liabilities	0.00	0.00	0.00	0.00	379.51
Closing Capital Cost	**147832.47**	**147858.40**	**147910.41**	**147792.36**	**148944.31**

Annual Fixed Charges allowed

(Rs. in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Return on Equity	15158.95	16353.28	18531.29	16684.13	15477.19
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Depreciation	7775.70	1768.68	1770.83	1777.41	1848.02
Interest on Working Capital	916.44	831.47	909.18	896.18	901.33
O&M Expenses	7033.08	7500.36	7998.68	8530.12	9096.86
Total Annual Fixed Charges	**30884.16**	**26453.79**	**29209.98**	**27887.84**	**27323.40**

Present Petition

4. The Petitioner has filed the present petition for determination of tariff of the generating station for the 2019-24 tariff period, in terms of the 2019 Tariff

Regulations. Accordingly, the capital cost and the annual fixed charges claimed by the Petitioner are as follows:

Capital Cost claimed

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Opening capital cost	152007.29	155077.55	156709.42	157057.15	157071.65
Add: Addition during the year	3347.15	1789.49	599.00	14.50	14.00
Less: De-capitalisation during the year	276.89	157.62	251.27	0.00	0.00
Less: Reversal during the year	0.00	0.00	0.00	0.00	0.00
Add: Discharges during the year	0.00	0.00	0.00	0.00	0.00
Closing capital cost	155077.55	156709.42	157057.15	157071.65	157085.65
Average capital cost	**153542.42**	**155893.49**	**156883.29**	**157064.40**	**157078.65**

Annual Fixed Charges claimed

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Depreciation	2390.37	2493.35	2540.07	2555.68	2556.36
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	15120.04	15187.05	15215.26	15220.42	15220.82
Interest on Working Capital	798.06	787.69	814.04	840.80	868.53
O&M Expenses	12095.88	12672.44	13276.47	13909.30	14572.30
Total Annual Fixed Charges	**30404.35**	**31140.53**	**31845.84**	**32526.20**	**33218.01**

5. The Respondent, APDCL has filed the replies vide affidavit dated 12.11.2021 and the Petitioner vide affidavit dated 23.11.2021 has filed its rejoinder to the said reply. The Petition was heard on 15.3.2022, through video conferencing and the Commission, after directing the Petitioner to submit certain additional information reserved its order in the petition. None appeared on behalf of the Respondents. In compliance thereof, the Petitioner vide affidavit dated 1.4.2022 has filed the additional information, after serving copy on the Respondents. Taking into consideration the submissions of the parties and the documents available on record, we proceed to examine the claims of the Petitioner, in this petition, on prudence check, as stated in the subsequent paragraphs.

Capital Cost

6. Regulation 19 (3) of the 2019 Tariff Regulations provides as under:

(a) Capital cost admitted by the Commission prior to 1.4.2019 duly trued up by excluding liability, if any, as on 1.4.2019;

(b) Additional capitalization and de-capitalization for the respective year of tariff as determined in accordance with these regulations;

(c) Capital expenditure on account of renovation and modernisation as admitted by this Commission in accordance with these regulations;

(c) Capital expenditure on account of ash disposal and utilization including handling and transportation facility;

(d) Capital expenditure incurred towards railway infrastructure and its augmentation for transportation of coal upto the receiving end of generating station but does not include the transportation cost and any other appurtenant cost paid to the railway; and

(f) Capital cost incurred or projected to be incurred by a thermal generating station, on account of implementation of the norms under Perform, Achieve and Trade (PAT) scheme of Government of India shall be considered by the Commission subject to sharing of benefits accrued under the PAT scheme with the beneficiaries."

7. The Commission vide its order dated 7.6.2021 in Petition No. 273/GT/2019 had allowed the closing capital cost of Rs. 148944.31 lakh, as on 31.3.2019. The same has been considered as opening capital cost, as on 1.4.2019, in accordance with Regulation 19(3) of the 2019 Tariff Regulations.

Additional Capital Expenditure

8. Regulations 25 and 26 of the 2019 Tariff Regulations provides that the application for determination of tariff shall be based on admitted capital cost, including any additional capital expenditure already admitted up to 31.3.2019 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the 2019-24 tariff period. Clauses (1) and (2) of Regulations 25 and Regulation 26 of the 2019 Tariff Regulations, provides as under:

"25. Additional Capitalization within the original scope and after the cut-off date:

(1) The additional capital expenditure incurred or projected to be incurred in respect of an existing project or a new project on the following counts within the original scope of work and after the cut-off date may be admitted by the Commission, subject to prudence check:

(a) Liabilities to meet award of arbitration or for compliance of the directions or order of any statutory authority, or order or decree of any court of law;

(b) Change in law or compliance of any existing law;

(c) Deferred works relating to ash pond or ash handling system in the original scope of work;

(d) Liability for works executed prior to the cut-off date;

(e) Force Majeure events;

(f) Liability for works admitted by the Commission after the cut-off date to the extent of discharge of such liabilities by actual payments; and

(g) Raising of ash dyke as a part of ash disposal system.

(2) In case of replacement of assets deployed under the original scope of the existing project after cut-off date, the additional capitalization may be admitted by the Commission, after making necessary adjustments in the gross fixed assets and the cumulative depreciation, subject to prudence check on the following grounds:

(a) The useful life of the assets is not commensurate with the useful life of the project and such assets have been fully depreciated in accordance with the provisions of these regulations;

(b) The replacement of the asset or equipment is necessary on account of change in law or Force Majeure conditions;

(c) The replacement of such asset or equipment is necessary on account of obsolescence of technology; and

(d) The replacement of such asset or equipment has otherwise been allowed by the Commission.

26. Additional Capitalization beyond the original scope

(1) The capital expenditure, in respect of existing generating station or the transmission system including communication system, incurred or projected to be incurred on the following counts beyond the original scope, may be admitted by the Commission, subject to prudence check:

(a) Liabilities to meet award of arbitration or for compliance of order or directions of any statutory authority, or order or decree of any court of law;

(b) Change in law or compliance of any existing law;

(c) Force Majeure events;

(d) Need for higher security and safety of the plant as advised or directed by appropriate Indian Government Instrumentality or statutory authorities responsible for national or internal security;

(e) Deferred works relating to ash pond or ash handling system in additional to the original scope of work, on case to case basis:

Provided also that if any expenditure has been claimed under Renovation and Modernization (R&M) or repairs and maintenance under O&M expenses, the same shall not be claimed under this Regulation;

(f) Usage of water from sewage treatment plant in thermal generating station.

(2) In case of de-capitalization of assets of a generating company or the transmission licensee, as the case may be, the original cost of such asset as on the date of de-capitalization shall be deducted from the value of gross fixed asset and corresponding loan as well as equity shall be deducted from outstanding loan and the equity respectively in the year such de-capitalization takes place with corresponding adjustments in cumulative depreciation and cumulative repayment of loan, duly taking into consideration the year in which it was capitalized.

9. The year-wise projected additional capital expenditure claimed by the Petitioner for the 2019-24 tariff period are as under:

(Rs. In lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Regulation 25(2)(a)	75.11	0.00	0.00	0.00	0.00	75.11
Regulation 25(2)(c)	1456.67	720.00	120.00	0.00	0.00	2296.67
Regulation 25(2)(d)	21.00	0.00	0.00	0.00	0.00	21.00
Regulation 26(1)(d)	47.00	235.49	0.00	0.00	0.00	282.49
Regulation 76 & 77	1747.37	834.00	479.00	14.50	14.00	3088.87
Total projected additional capital expenditure claimed	**3347.15**	**1789.49**	**599.00**	**14.50**	**14.00**	**5764.14**

10. The Petitioner has claimed the total Rs. 5764.14 lakh towards various assets/works pertaining to the Construction of Executive Guest House, Installation of CCTV monitoring system, Dam Safety Monitoring System, Construction of check Dam, Construction of Protection wall, Construction of Permanent Office Building, Construction of Additional Permanent Quarters, etc. The detailed justification of the works allowed and disallowed, on prudence check, are as under:

2019-20

11. The Petitioner has claimed projected additional capital expenditure of Rs. 3347.15 lakh in 2019-20 and the same is examined below:

(Rs. in lakh)

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
1	Capital Maintenance of Main Inlet Valve	25(2)(c)	1091.55	Maintenance work of Main Inlet Valve (MIV) of all the three units of powerhouse was taken up for replacement of the old components such as Service Seal, Maintenance Seal, Sealing Rings etc. of the MIVs. This was necessary for improvement of performance of the turbines.	With regard to items claimed from Sl. No.1 to Sl. No.10, the Petitioner has submitted that the additional capital expenditure has been claimed as capital spares. As per Regulation 35(2)(c) of the 2019 Tariff Regulations, the capital spares are to be allowed separately, on actual consumption basis, as part of the O&M expenses. Accordingly, the said assets claimed by the Petitioner under additional capital expenditure is **not allowed**. However, the Petitioner is granted liberty to analyze and claim the assets along with proper details/ justification at the time of truing up of tariff. In case, these assets forms part of the additional capital expenditure, then the same may be claimed under Regulation 25 or Regulation 26 of the 2019 Tariff Regulations. In case, the asset is actually consumed as capital spares, then the same may be claimed under Regulation 35(2)(c) of the 2019 Tariff Regulations, as part of the O&M	0.00
2	Capital Maintenance of Turbine (2 Units)	25(2)(c)	253.50	The capital maintenance of the two turbines of Dikrong P.H. was taken up for servicing of the Guide vanes, lubrication system, Bushes and replacement of other damaged components of the turbines. This was necessary for improvement of performance of the turbines.		0.00
3	Retrofitting of Centralized Grease Lubrication (CGL) System in Power House	25(2)(a)	75.11	The work was taken up as a retrofitting work of the existing CGL system which was found to be unserviceable and beyond any further repair. Since this system is vital to the efficient operation of the turbine, hence the work was taken up.		0.00
4	Retrofitting of Steel wire Rope in	25(2)(c)	10.89	Replacement of the damaged rope was done to ensure		0.00

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
	Surge Shaft Gate			proper operation of the Surge-Shaft Gate, necessary for the efficient operation of the Plant.	expenses.	
5	Procurement of new Fire Tender against Dikrong Power House	25(2)(d)	21.00	Provision of a Fire Tender was already approved under additional capital expenditure for the 2014-19 tariff period which is stationed at 43km to cater to Dam and adjoining structures. The additional Fire Tender is claimed to solely cater the requirement of Power House and Switchyard. Since the distance between Power House & Dam is around 30 km, the Fire Tender already procured would not be able to cater to the exigency requirement of Power House. Accordingly, another fire tender has been planned to procure to ensure safety of the Power House and Switchyard.		0.00
6	Installation of Standalone DR & EL system for Numerical Relays in Power House	26(1)(d)	42.00	The work was taken up as per the requirements of North Eastern Regional Power Committee (NERPC), CEA, as per MoM on the PCC meeting.		0.00
7	Retrofitting of Electric Motor in Surge Shaft gate Hoist	25(2)(c)	0.73	Replacement of the damaged Hoisting Motor was done to ensure proper operation of the		0.00

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				Surge-Shaft Gate, necessary for the efficient operation of the Plant.		
8	Design, Manufacture, supply, installation & commissioning of 1-No.of Hydraulically operated Trash Rack Cleaning Machine (TRCM) with associated supporting structures at the Intake of RHEP (3x135 MW) Yazali, Lower Subansiri, A.P.	76 & 77	1023.95	The work has been taken up to carry out continuous cleaning of debris at the tunnel intake to ensure smooth entry of water in to the tunnel without any hindrances. The additional capital expenditure is necessary for the efficient operation of the generating station.		0.00
9	Providing Services for Collecting Hydrological Data from upper catchment of Rarganadi River for an period of one year	76 & 77	56.76	The work is essential to provide data for the simulation model of the Real Time Hydro-Metrological monitoring in the Catchment Area of the generating station. Necessary for effective Reservoir management and subsequently efficient operation of the generating station.		0.00
10	Supply, Installation, Commissioning & Testing of OTT Q Liner-2 for 3 x 135 MW.	76 & 77	20.42	This equipment is required to facilitate the collection of data required for hydro metrological monitoring of catchment area.		0.00
11	Construction of Executive Guest House at	25(2)(c)	100.00	The work has been taken up against the non-completed	The Petitioner has clarified that the Construction of the	100.00

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
	Power House at Hoj			works already accounted for in the Revised Cost Estimate of RHEP but has not been taken up. Considering the price escalation, the present day estimated cost is tentatively arrived at Rs 200.0 lakh out of which Rs 50.00 lakh has been earmarked for 2019-20 and Rs 150.00 lakh has been earmarked for 2020-21.	Permanent Colony was provisioned in RCE, considering that the operation of the plant would be taken up from Doimukh. However due to various reasons, this could not be materialized and hence a permanent setup against this Plant has become a necessity. It has also submitted that the temporary quarters build during the construction period has outlived its life and therefore permanent residential quarters is required to accommodate the employees of the both at 43 km and Hoj. Accordingly, the Petitioner has claimed the expenditure under Regulation 25(2)(c) of the 2019 Tariff Regulations. Considering the fact that the proposed additional capital expenditure is for replacement of assets deployed under the original scope of work of project and the assets are in use, the claim of the Petitioner is **allowed** under Regulation 25(2)(a) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The decapitalization value of old asset has been	

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
					considered under 'Assumed Deletions'.	
12	Installation CCTV monitoring system in strategic locations of Plant.	26(1)(d)	5.00	The work has been taken up in compliance to the recommendations of Ministry of Home Affairs (MoHA) as recorded in the Report of CEA, Ministry of Power, dated September, 2011.	The Petitioner has submitted that the required expenditure has been planned as per the recommendations of the MoHA, GOI, the CEA and MoP, GOI. However, the Petitioner has not submitted any documentary evidence in support of the claim. However, as the work is considered necessary for the safety and security of the generating station, the additional capital expenditure claimed is **allowed** under Regulation 26(1)(d) of the 2019 Tariff Regulations. The Petitioner is directed to submit the recommendations of the aforesaid authorities, at the time of truing up of tariff.	5.00
13	Permanent Water Supply Scheme at Power House at Hoj	76 & 77	100.00	Since the Commissioning of the plant, there has been no proper / permanent scheme for providing of drinking water to the employees of the Power House. The proposed permanent water supply scheme is essential for providing reliable and safe drinking water to the employees working in the Power	The Petitioner has neither indicated the relevant provision of the regulation which is be relaxed nor has mentioned any difficulty in the implementation of regulations, in support of its prayer for exercise of the power under Regulation 76 and Regulation 77 of the 2019 Tariff Regulations. Also, the reasons for not including the scheme	0.00

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				House.	within the original	
14	Plantation of the Reservoir area and its surroundings of RHEP Yazali, A.P.	76 & 77	20.00	Plantation of the Reservoir area is to be done which will help in reducing soil erosion and inflow of silt into the Reservoir. This will prevent decrease in storage capacity of Reservoir and power generation.	scope of work, is also not clear. However, keeping in view that the expenditure claimed is in the nature of O&M expenses, the claim is **not allowed.**	0.00
15	Dam Safety Monitoring System for all commissioned Dams of NEEPCO (for Ranganadi Dam)	76 & 77	303.05	The work is considered necessary to provide an effective monitoring system of the parameters of the Dam, necessary for efficient and safe operation of the Plant.	The Petitioner has neither indicated the relevant provision of the regulation which is be relaxed nor has mentioned any difficulty in the implementation of regulations, in support of its prayer for exercise of the power under Regulation 76 and Regulation 77 of the 2019 Tariff Regulations. However, the Petitioner in its rejoinder has clarified that the expenditure is for upgradation of the existing system for better monitoring of the safety parameters of Dam and is required for the optimum performance of Dam in interest of the safety of Plant and also to prevent any adverse effects in the downstream areas. As the work is considered necessary for the safety and security of the generating station, the additional capital expenditure	303.05

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
					claimed is **allowed** under Regulation 26(1)(d) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The Petitioner is directed to submit relevant documents, in support of the claim at the time of truing-up of tariff.	
16	Construction of Check Dam on Peil Nallah, Pitapool, Yazali, A.P.	76 & 77	16.00	There is huge amount of silt that enters into the Ranganadi Reservoir through Peil Nallah. In order to arrest the silt from entering into the Reservoir one Check Dam is to be constructed. This will prevent decrease in storage capacity of Reservoir and power generation. The Respondent APDCL in its reply has submitted that an amount of Rs 14.79 lakh was already accrued by the Petitioner regarding construction of Check Dam, etc. of Pai Nallah and the amount was allowed by the Commission in order dated 7.6.2021 in Petition No. 273/GT/2019. As such, the Petitioner must clarify as to why this new item has been claimed whereas the item	The Petitioner has claimed total amounts of Rs. 19.00 lakh in 2020-21, Rs. 15.00 lakh in 2021-22, Rs. 14.50 lakh in 2022-23 and Rs. 14.00 lakh in 2023-24 under this head i.e. 'construction of Check Dam'. Considering the fact, that the expenditure is for the safe operation of the plant, the claim of the Petitioner is **allowed** under Regulation 26(1)(d) in exercise of the 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The Petitioner is directed to submit relevant documents, in support of the claim at the time of truing-up of tariff.	16.00

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				was already allowed, and the works carried accordingly as mentioned by the Petitioner. The Petitioner has clarified that the construction of Check Dam at Pei Nallah and Pai Nallah are two separate Check Dams. The Pai Nallah is located at Poosa and the Pei Nallah is located at Pitapool. The Petitioner has prayed that the Commission may consider the claim in line with earlier approval of check Dam, which arrest the silt deposition thereby increasing the efficacy of the reservoir.		
17	Construction of Protection wall against Tunnel Intake	76 & 77	207.19	On depletion of Reservoir, the sausage wall was found to be damaged. The works was taken up as an additional protection measure against the Wing Wall of the Tunnel intake. The additional capital expenditure is necessary to ensure safety of Hydro Structures and effective operation.	Considering the fact that the expenditure is for the safe operation of the plant, the claim of the Petitioner is **allowed** under Regulation 26(1)(d) in exercise of the 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The Petitioner is directed to submit relevant documents, in support of the claim at the time of truing-up of tariff.	207.19
	Total amount claimed		**3347.15**			
	Total amount					**631.24**

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
	allowed					
	Additional Capital Expenditure eligible for Normal RoE		**0.00**			**100.00**
	Additional Capital Expenditure eligible for WAROI		**3347.15**			**531.24**

12. Based on the above, the total additional expenditure of Rs. 631.24 lakh is allowed in 2019-20.

2020-21

13. The Petitioner has claimed projected additional capital expenditure of Rs. 1789.49 lakh in 2020-21 and the same is examined below:

(Rs. in lakh)

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
1	Retrofitting of Pantograph Isolator of 400 kV Switchyard.	25(2)(C)	200.00	The work has been taken up against replacement of existing Isolators due to frequent damage of accessories of the Isolators and also these types of Isolators have been phased out by the OEM and spares are also not readily available. The additional capital expenditure is necessary to ensure proper operation of the generating station.	As regard items from Sl. No.1 to 5, it is observed that the additional capital expenditure has been claimed as capital spares. As per Regulation 35(2)(c) of the 2019 Tariff Regulations, the capital spares are to be allowed separately, on actual consumption basis, as part of the O&M expenses. Accordingly,	0.00
2	Upgradation of existing Fire	25(2)(C)	300.00	The system will retrofit the		0.00

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
	Fighting system like installation of Deluge valves, solenoid valve, pipelines, motor control panel, hoses etc.			obsolete/ unserviceable firefighting system in the transformer yard and will ensure the safety of the Plant.	the said assets claimed by the Petitioner under additional capital expenditure is **not allowed.** However, the Petitioner is granted liberty to analyze and claim the assets along with proper details/ justification at the time of truing up of tariff. In case, these assets forms part of the additional capital then same shall be claimed under Regulation 25 and 26 of the 2019 Tariff Regulations, or otherwise, if the asset is actually consumed as capital spare, then same shall be claimed under Regulation 35(2)(c) of the 2019 Tariff Regulations as part of O&M expenses.	
3	Retrofitting of Control Panel & SF6 Breakers in DPH at 43 Km	25(2)(C)	100.00	The same is required for retrofitting of the Old and obsolete equipment's to have a more efficient operation of the Diesel Power Plant.		0.00
4	Retrofitting of 2 Nos. of 400 KV Circuit Breaker(CB) in 400 KV Switchyard	25(2)(C)	120.00	The work has been taken up against replacement of existing circuit breakers since the spares of the circuit breakers are of very high value and hence uneconomical for replacement. As such these type of circuit breakers are proposed to be phased out and replaced with other circuit breakers is being considered. Necessary to ensure proper operation of the Plant.		0.00
5	Implementation of a State of Art Real Time Hydro-Meteorological Monitoring System in Catchment Area upstream of RHEP	26(1)(d)	216.49	The work is being done in co-ordination with the North East Space Application Center (NESAC), Department of Space, Government of India, for flood		0.00

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				forecasting of RHEP. The installation of 17 Nos. Automatic Rain Gauge and 4 Nos. Digital Water Level Recorders have already been completed. This system will provide real time flood forecasting, which will in turn help in planned operation of the Spillway Radial gates and the Power House.		
6	Construction of Check Dam at upstream side of Abdullah Nallah at the uphill side, RHEP, Yazali	26(1)(d)	19.00	There is huge amount of silt that enters into the Ranganadi Reservoir through the Abdullah Nallah. In order to arrest the silt from entering into the Reservoir one check dam is to be constructed at the upstream and uphill side. This will prevent decrease in storage capacity of Reservoir and power generation.	Considering the fact that the expenditure claimed is towards the safe operation of the plant, the same is **allowed** under Regulation 26(1)(d) of the 2019 Tariff Regulations. However, the Petitioner is directed to submit the requirements in terms of of Regulation 26(1)(d) of the 2019 Tariff Regulations at the time of truing-up of tariff.	19.00
7	Dam Safety Monitoring System for all commissioned Dams of NEEPCO (for Ranganadi	76 & 77	14.00	The work is considered necessary to provide an effective monitoring system of the parameters	The Petitioner has neither indicated the relevant provision of the regulation which is be	14.00

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
	Dam)			of the Dam necessary for the proper operation of the Plant. The remaining works which shall be required to be taken up in subsequent years against the work completed.	relaxed nor has mentioned any difficulty in the implementation of regulations, in support of its prayer for exercise of the power under Regulation 76 and Regulation 77 of the 2019 Tariff Regulations. However, the Petitioner in its rejoinder has clarified that the expenditure is for upgradation of the existing system for better monitoring of the safety parameters of Dam and is required for the optimum performance of Dam in interest of the safety of Plant and also to prevent any adverse effects in the downstream areas. As the work is considered necessary for the safety and security of the generating station, the additional capital expenditure claimed is **allowed** under Regulation	

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
					26(1)(d) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The Petitioner is directed to submit relevant documents, in support of the claim at the time of truing-up of tariff.	
8	Plantation of the catchment area near to the RHEP	76 & 77	20.00	Plantation of the Catchment area near to the Project is to be done which will help in reducing soil erosion and inflow of silt into the Reservoir. This will prevent decrease in storage capacity of Reservoir and help in power generation. The additional capital expenditure is necessary for efficient operation of the Plant.	The Petitioner has neither indicated the relevant provision of the regulation which is be relaxed nor has mentioned any difficulty in the implementation of regulations, in support of its prayer for exercise of the power under Regulation 76 and Regulation 77 of the 2019 Tariff Regulations. Also, the reasons for not including the scheme within the original scope of work, is also not clear. However, keeping in view that the expenditure claimed is in the nature of O&M	0.00
9	Permanent Water Supply Scheme at Power House at Hoj	76 & 77	100.00	Since Commissioning of the plant, there has been no proper / permanent scheme for providing of drinking water to the employees of the Power House. The proposed permanent water supply scheme is essential for providing reliable		0.00

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				and safe drinking water to the employees working in the Power House.	expenses, the claim is **not allowed.**	
10	Permanent Water Supply Scheme at Administrative Complex at 43 km.	76 & 77	100.00	Since Commissioning of the plant, there has been no proper / permanent scheme for providing of drinking water to the employees of the Dam and administrative complex. The proposed permanent water supply scheme is essential for providing reliable and safe drinking water to the employees working in the Dam and administrative complex.		0.00
11	Construction of Executive Guest House at Power House at Hoj	76 & 77	150.00	The same is taken up against the non-completed works already accounted for in the Revised Cost Estimate of RHEP but has not been taken up. Considering the price escalation, the present day estimated cost is tentatively arrived at Rs 200.0 lakh out of which Rs 50.00 lakh has been earmarked for 2019-20 and Rs 150.00 lakh has been	The Petitioner has clarified that the construction of permanent colony was provisioned in RCE considering that the operation of the Plant would be taken up from Doimukh. However due to various reasons, this could not be materialized and hence a permanent setup against	150.00

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				earmarked for 2020-21.	the Plant has become a necessity. The temporary quarters build during the construction period has outlived its life and therefore Permanent residential quarters is required to accommodate the employees of the generating station, stationed at 43 km and Hoj respectively. Accordingly, the Petitioner has claimed the expenditure under Regulation 25(2)(c) of the 2019 Tariff Regulations. Considering the fact that the proposed additional capital expenditure is for replacement of assets deployed under the original scope of work of project and the assets are in use, the claim of the Petitioner is allowed under Regulation 25(2)(a) in exercise of	

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
					'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The decapitalization value of old asset has been considered under 'Assumed Deletions'.	
12	Construction of NRC Building at Power House at Hoj	76 & 77	50.00	The additional capital expenditure is required as means of recreational arrangement for the employees who are stationed at such remote location. This also provides an effective way of managing stress, which is essential in such stressful locations.	The Petitioner has neither indicated the relevant provision of the regulation which is be relaxed nor has mentioned any difficulty in the implementation of regulations, in support of its prayer for exercise of the power under Regulation 76 and Regulation 77 of the 2019 Tariff Regulations. Considering fact that the proposed expenditure does not pertain to the operation of the generating station, the claim of the Petitioner is **not allowed.**	0.00
13	Construction of Permanent Office Building at Power House at Hoj	76 & 77	100.00	Since the permanent set up of the generating station is at Doimukh which is	As the Permanent Office Building is under Pare H.E. Plant	100.00

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				now under Pare H.E. Plant, a permanent office setup is required for running of the Plant. Also, the office setup is presently located at 43 which is of semi-permanent type and has outlived its usefulness for which a permanent office set-up at Hoj nearby to the Power House is desirable for the efficient operation for the Plant.	(another plant of the Petitioner) and the setup has already outlived its useful life, the claim of the Petitioner is **allowed** under Regulation 25(2)(a) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The de-capitalized value of the old asset has been considered under 'Assumed Deletions'.	
14	Construction of Additional Permanent Quarters at 43km	76 & 77	300.00	Although the Permanent Residential quarters against RHEP has been constructed at Doimukh, however the work sites of Dam, Tunnel and Utility Services including Grid Power Distribution are located at 43km which is more than 50km from Doimukh. As such a Permanent Residential setup at 43km is required to ensure monitoring of the above vital installations on a 24X7 basis from	It is observed that the cost of existing permanent quarters is already the part of the allowed capital cost. However, considering the nature of the expenditure, the claim of the Petitioner is allowed under Regulation 25(2)(a) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The	300.00

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				43km itself. Also, the communication setup/logistics arrangements in between Doimukh and 43km is prone to disruptions during monsoon period for which it is not possible to monitor this work sites from Doimukh. In view of the extreme critical monsoon period when continuous monitoring of Dam and allied structures is very much required, a permanent set up is felt essential to the efficient operation of the Plant.	decapitalization value of old asset has been considered under 'Assumed Deletions'.	
	Total amount claimed		**1789.49**			
	Total amount allowed					**583.00**
	Additional Capital Expenditure eligible for Normal RoE		0.00			550.00
	Additional Capital Expenditure eligible for WAROI		1789.49			33.00

14. Based on the above, the total additional expenditure of Rs. 583.00 lakh is allowed in 2020-21.

2021-22

15. The Petitioner has claimed projected additional capital expenditure of Rs. 599.00 lakh in 2021-22 which are discussed as follows:

(Rs. in lakh)

Sl.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
1	Retrofitting of 2 Nos. of 400 KV Circuit Breaker (CB) in 400 KV Switchyard	25(2)(c)	120.00	The work has been taken up against replacement of existing circuit breakers since the spares of the circuit breakers are of very high value and hence uneconomical for replacement. As such these type of circuit breakers are proposed to be phased out and replaced with other circuit breakers is being considered. Necessary to ensure proper operation of the Plant.	it is observed that the additional capital expenditure has been claimed as capital spares. As per Regulation 35(2)(c) of the 2019 Tariff Regulations, the capital spares are to be allowed separately, on actual consumption basis, as part of the O&M expenses. Accordingly, the said assets claimed by the Petitioner under additional capital expenditure is **not allowed.** However, the Petitioner is granted liberty to analyze and claim the assets along with proper details/ justification at the time of truing up of tariff. In case,	0.00

					these assets forms part of the additional capital then same shall be claimed under Regulation 25 and 26 of the 2019 Tariff Regulations, or otherwise, if the asset is actually consumed as capital spare, then same shall be claimed under Regulation 35(2)(c) of the 2019 Tariff Regulations as part of O&M expenses.	
2	Construction of NRC Building at Power House at Hoj	76 & 77	50.00	The additional capital expenditure is required as means of recreational arrangement for the employees who are stationed at such remote location. This also provides an effective way of managing stress, which is essential in such stressful locations.	The Petitioner has neither indicated the relevant provision of the regulation which is be relaxed nor has mentioned any difficulty in the implementation of regulations, in support of its prayer for exercise of the power under Regulation 76 and Regulation 77 of the 2019 Tariff Regulations. As the proposed expenditure does not pertain to the operation of the generating station, the claim of the	0.00

					Petitioner is not allowed.	
3	Construction of Office Building at Hoj	76 & 77	100.00	Since the permanent set up of the generating station is at Doimukh which is now under Pare H.E. Plant, a permanent office setup is required for running of the Plant . Also, the office setup is presently located at 43 which is of semi-permanent type and has outlived its usefulness for which a permanent office set-up at Hoj nearby to the Power House is desirable for the efficient operation for the Plant.	As the Permanent Office Building is under Pare H.E. Plant (another plant of the Petitioner) and the setup has already outlived its useful life, the claim of the Petitioner is **allowed** under Regulation 25(2)(a) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The de-capitalized value of the old asset has been considered under 'Assumed Deletions'.	100.00
4	Dam Safety Monitoring System for all commissioned Dams of NEEPCO (for Ranganadi Dam)	76 & 77	14.00	The work is considered necessary to provide an effective monitoring system of the parameters of the Dam necessary for the proper operation of the Plant. The remaining works which shall be required to be taken up in subsequent years against the work completed.	he Petitioner has neither indicated the relevant provision of the regulation which is be relaxed nor has mentioned any difficulty in the implementation of regulations, in support of its prayer for exercise of the power under Regulation 76 and Regulation 77 of the 2019 Tariff	14.00

					Regulations. However, the Petitioner in its rejoinder has clarified that the expenditure is for upgradation of the existing system for better monitoring of the safety parameters of Dam and is required for the optimum performance of Dam in interest of the safety of Plant and also to prevent any adverse effects in the downstream areas. As the work is considered necessary for the safety and security of the generating station, the additional capital expenditure claimed is **allowed** under Regulation 26(1)(d) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The Petitioner is directed to submit relevant documents, in support of the claim at the time of truing-	

					up of tariff.	
5	Construction of Check Dam on Paaga Pu Nallah, Pitapool, Yazali, A.P.	76 & 77	15.00	There is huge amount of silt that enters into the Ranganadi reservoir through the Paaga Pu Nallah. In order to arrest the silt from entering into the reservoir one Check Dam is to be constructed. This will prevent decrease in storage capacity of Reservoir and power generation.	Considering the fact that the expenditure is for the safe operation of the plant, the claim is **allowed** under Regulation 26(1)(d) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. However, the Petitioner is directed to submit relevant documentary evidence at the time of truing-up of tariff.	15.00
6	Construction of Additional Permanent Quarters at 43km	76 & 77	300.00	Although the Permanent Residential quarters against RHEP has been constructed at Doimukh, however the work sites of Dam, Tunnel and Utility Services including Grid Power Distribution are located at 43km which is more than 50km from Doimukh. As such a Permanent Residential setup at 43km is required to ensure monitoring of the above vital installations on a 24X7 basis from 43km itself. Also the communication setup/ logistics	It is observed that the cost of existing permanent quarters already forms part of the allowed capital cost. However, considering the nature of the expenditure, the additional capital expenditure **is allowed** under Regulation 25(2)(a) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The decapitalization value of old	300.00

				arrangements in between Doimukh and 43km is prone to disruptions during monsoon period for which it is not possible to monitor these work sites from Doimukh. In view of the extreme critical monsoon period when continuous monitoring of Dam and allied structures is very much required, a permanent set up is felt essential to the efficient operation of the generating station.	asset has been considered under 'Assumed Deletions'.	
	Total amount claimed		**599.00**			
	Total amount allowed					**429.00**
	Additional Capital Expenditure eligible for Normal RoE		0.00			400.00
	Additional Capital Expenditure eligible for WAROI		599.00			29.00

16. Based on the above, the total additional expenditure of Rs. 429.00 lakh is allowed in 2021-22.

2022-23

17. The Petitioner has claimed projected additional capital expenditure of Rs. 14.50 lakh in 2022-23 and the same is examined below:

(Rs. in lakh)

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
1	Construction of Check Dam on Dindu Nallah,	76 & 77	14.50	There is huge amount of silt that enters into the Ranganadi reservoir through the Dindu	Considering the fact that the expenditure is for the safe	14.50

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
	Pitapool, Yazali,A.P.			Nallah. In order to arrest the silt from entering into the reservoir one Check Dam is to be constructed. This will prevent decrease in storage capacity of Reservoir and power generation.	operation of the plant, the claim of the Petitioner is **allowed** under Regulation 26(1)(d) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. However, the Petitioner is directed to furnish relevant documentary evidence, at the time of truing-up of tariff.	
	Total amount claimed		**14.50**			
	Total amount allowed					**14.50**
	Additional Capital Expenditure eligible for Normal RoE		0.00			0.00
	Additional Capital Expenditure eligible for WAROI		14.50			14.50

18. Based on the above, the total additional expenditure of Rs. 14.50 lakh is allowed in 2022-23.

2023-24

19. The Petitioner has claimed projected additional capital expenditure of Rs. 14.00 lakh in 2023-24 and the same is examined below:

(Rs. in lakh)

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
1	Construction of Check Dam on Parmar Nallah, Pitapool, Yazali, A.P.	76 & 77	14.00	There is huge amount of silt that enters into the Ranganadi reservoir through the Parmar Nallah. In order to arrest the silt from entering into the reservoir one Check Dam is to be constructed. This will prevent decrease in storage capacity of Reservoir and power generation.	The item has already been dealt with in Item no. 16 of 2019-20. Accordingly, the claim **is allowed.**	14.00
	Total amount claimed		**14.00**			**14.00**
	Total amount allowed					
	Additional Capital Expenditure eligible for Normal RoE		0.00			0.00
	Additional Capital Expenditure eligible for WAROI		14.00			14.00

20. Based on the above, the total additional expenditure of Rs. 14.00 lakh is allowed in 2023-24.

De-capitalization

21. The Petitioner has claimed the de-capitalization, as per Form 9Bi, as under:

(Rs. in lakh)

2019-20	2020-21	2021-22	2022-23	2023-24
276.89	157.62	251.27	0.00	0.00

22. Since the additional capital expenditure towards the decapitalized asset has not been allowed, the corresponding decapitalization of the said assets, as claimed by the Petitioner, have also not been considered for the purpose of tariff.

Assumed Deletions

23. As per consistent methodology adopted by the Commission in its orders, the expenditure on replacement of assets, if found justified, is allowed for the purpose of tariff provided that the capitalization of the said asset, is followed by de-capitalization of the gross value of the old asset. However, in certain cases, where the de-capitalization is proposed to be effected during the future years to the year of capitalization of the new asset, the de-capitalization of the old asset for the purpose of tariff, is shifted to the very same year in which the capitalization of the new asset is allowed. Such de-capitalization which is not a book entry in the year of capitalization is termed as "Assumed Deletion".

24. Accordingly, the gross value of the assets de-capitalized under 'assumed deletions' as considered by the Petitioner based on WPI and capitalized value of new asset is not acceptable. Therefore, the methodology of arriving at the fair value of the de-capitalized asset, i.e. escalation rate of 5% per annum from the COD has been considered in order to arrive at the gross value of old asset in comparison to the cost of new asset. In the instant petition, year of COD of the generating station is 2001-02. We have considered the value of asset under consideration as on COD as 100 and escalated it @5% till the year during which additional capital expenditure is claimed against replacement of the same. The amount claimed for additional capital expenditure against the asset is multiplied by the derived ratio from above two values i.e. value in year of COD divided by value in capitalized year. The Assumed Deletions considered for 2019-24 tariff period is as under:

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Construction of Executive Guest House at Power House at Hoj	43.36	61.94	0.00	0.00	0.00
Construction of Permanent Office Building at Power House at Hoj	0.00	41.29	39.33	0.00	0.00
Construction of Additional Permanent Quarters at 43km	0.00	123.88	117.98	0.00	0.00
Total	**43.36**	**227.11**	**157.30**	**0.00**	**0.00**

Discharge of liabilities

25. The Petitioner has not claimed any discharges of liabilities during the 2019-24 tariff period. Therefore, "nil" discharges are allowed during the 2019-24 tariff period.

Additional capital expenditure allowed at normal rate of RoE for the 2019-24 period

26. In view of above, the net additional capital expenditure allowed for normal rate of RoE for the 2019-24 tariff period is as under:

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Admitted projected additional capital expenditure (A)	100.00	550.00	400.00	0.00	0.00	1050.00
Less: De-capitalization of assets (B)	43.36	227.11	157.30	0.00	0.00	427.76
Less: Undischarged Liabilities (C)	0.00	0.00	0.00	0.00	0.00	0.00
Add: Discharges of liabilities (against allowed assets / works) (D)	0.00	0.00	0.00	0.00	0.00	0.00
Net projected additional capital expenditure allowed (on cash basis) (E) = (A-B-C+D)	**56.64**	**322.89**	**242.70**	**0.00**	**0.00**	**622.24**

Additional capital expenditure allowed for WAROI rate of ROI for the 2019-24 period

27. In view of above, the net additional capital expenditure allowed based on WAROI rate of ROE for the 2019-24 tariff period is as under:

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Admitted projected additional capital expenditure (A)	531.24	33.00	29.00	14.50	14.00	621.74
Less: De-capitalization of assets (B)	0.00	0.00	0.00	0.00	0.00	0.00
Less: Undischarged Liabilities (C)	0.00	0.00	0.00	0.00	0.00	0.00
Add: Discharges of liabilities (against allowed assets / works) (D)	0.00	0.00	0.00	0.00	0.00	0.00
Net projected additional capital expenditure allowed (on cash basis) (E) = (A-B-C+D)	**531.24**	**33.00**	**29.00**	**14.50**	**14.00**	**621.74**

Capital cost allowed

28. Accordingly, the capital cost allowed for the 2019-24 tariff period is as under:

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Opening Capital Cost	148944.31	149532.19	149888.09	150159.79	150174.29
Net Additional capital expenditure allowed during the year/ period	587.89	355.89	271.70	14.50	14.00
Closing Capital Cost	**149532.19**	**149888.09**	**150159.79**	**150174.29**	**150188.29**
Average Capital Cost	149238.25	149710.14	150023.94	150167.04	150181.29

Debt-Equity Ratio

29. Regulation 18 of the 2019 Tariff Regulations provides as under:

> *"18. Debt-Equity Ratio: (1) For new projects, the debt-equity ratio of 70:30 as on date of commercial operation shall be considered. If the equity actually deployed is more than 30% of the capital cost, equity in excess of 30% shall be treated as normative loan:*
>
> *Provided that:*
>
> *i. where equity actually deployed is less than 30% of the capital cost, actual equity shall be considered for determination of tariff:*
>
> *ii. the equity invested in foreign currency shall be designated in Indian rupees on the date of each investment:*
>
> *iii. any grant obtained for the execution of the project shall not be considered as a part of capital structure for the purpose of debt: equity ratio.*
>
> *Explanation-The premium, if any, raised by the generating company or the transmission licensee, as the case may be, while issuing share capital and*

investment of internal resources created out of its free reserve, for the funding of the project, shall be reckoned as paid up capital for the purpose of computing return on equity, only if such premium amount and internal resources are actually utilised for meeting the capital expenditure of the generating station or the transmission system.

(2) The generating company or the transmission licensee, as the case may be, shall submit the resolution of the Board of the company or approval of the competent authority in other cases regarding infusion of funds from internal resources in support of the utilization made or proposed to be made to meet the capital expenditure of the generating station or the transmission system including communication system, as the case may be.

(3) In case of the generating station and the transmission system including communication system declared under commercial operation prior to 1.4.2019, debt:equity ratio allowed by the Commission for determination of tariff for the period ending 31.3.2019 shall be considered:

Provided that in case of a generating station or a transmission system including communication, system which has completed its useful life as on or after 1.4.2019, if the equity actually deployed as on 1.4.2019 is more than 30% of the capital cost, equity in excess of 30%shall not be taken into account for tariff computation;

Provided further that in case of projects owned by Damodar Valley Corporation, the debt: equity ratio shall be governed as per sub-clause (ii) of clause (2) of Regulation 72 of these regulations.

(4) In case of the generating station and the transmission system including communication system declared under commercial operation prior to 1.4.2019, but where debt: equity ratio has not been determined by the Commission for determination of tariff for the period ending 31.3.2019, the Commission shall approve the debt: equity ratio in accordance with clause (1) of this Regulation.

(5) Any expenditure incurred or projected to be incurred on or after 1.4.2019 as may be admitted by the Commission as additional capital expenditure for determination of tariff, and renovation and modernisation expenditure for life extension shall be serviced in the manner specified in clause (1) of this Regulation."

30. The gross loan and equity amounting to Rs. 75182.74 lakh and Rs. 73761.56 lakh, respectively as on 31.3.2019, as considered in order dated 7.6.2021 in Petition No. 273/GT/2019 has been considered as the opening gross loan and equity as on 1.4.2019. Further, the admitted additional capital expenditure, has been allocated to debt and equity in the ratio of 70:30. Also, for the assets de-capitalised during the 2019-24 tariff period, the debt-equity ratio of 50:50 has been considered, as these assets were originally allocated to debt and equity in the ratio of 50:50, in the

respective tariff petitions. Accordingly, the details of debt-equity ratio in respect of the generating station as on 1.4.2019 and as on 31.3.2024 are as under:

(Rs. in lakh)

	Capital cost upto COD / 1.4.2019		Additional capital expenditure (Rs. in lakh)		De-capitalization (Rs. in lakh)		Capital cost as on 31.3.2024	
	Amount	(%)	Amount	(%)	Amount	(%)	Amount	(%)
Debt (A)	75182.74	50.48	1170.22	70.00	213.88	50.00	76139.08	50.70
Equity (B)	73761.56	49.52	501.52	30.00	213.88	50.00	74049.20	49.30
Total (C) = (A) + (B)	**148944.31**	**100.00**	**1671.74**	**100.0**	**427.76**	**100.00**	**150188.29**	**100.00**

Return on Equity

31. Regulations 30 and 31 of the 2019 tariff Regulations provide as under:

"30. Return on Equity

(1) Return on equity shall be computed in rupee terms, on the equity base determined in accordance with Regulation 18 of these regulations.

(2) Return on equity shall be computed at the base rate of 15.50% for thermal generating station, transmission system including communication system and run-of river hydro generating station, and at the base rate of 16.50% for the storage type hydro generating stations including pumped storage hydro generating stations and run-of river generating station with pondage:

Provided that return on equity in respect of additional capitalization after cut-off date beyond the original scope excluding additional capitalization due to Change in Law, shall be computed at the weighted average rate of interest on actual loan portfolio of the generating station or the transmission system;

Provided further that:

i. In case of a new project, the rate of return on equity shall be reduced by 1.00% for such period as may be decided by the Commission, if the generating station or transmission system is found to be declared under commercial operation without commissioning of any of the Restricted Governor Mode Operation (RGMO) or Free Governor Mode Operation (FGMO), data telemetry, communication system up to load dispatch centre or protection system based on the report submitted by the respective RLDC;

ii. In case of existing generating station, as and when any of the requirements under (i) above of this Regulation are found lacking based on the report submitted by the concerned RLDC, rate of return on equity shall be reduced by 1.00% for the period for which the deficiency continues;

iii. In case of a thermal generating station, with effect from 1.4.2020:

a) rate of return on equity shall be reduced by 0.25% in case of failure to achieve the ramp rate of 1% per minute;

b) an additional rate of return on equity of 0.25% shall be allowed for every incremental ramp rate of 1% per minute achieved over and above the ramp rate of 1% per minute, subject to ceiling of additional rate of return on equity of 1.00%:

Provided that the detailed guidelines in this regard shall be issued by National Load Dispatch Centre by 30.6.2019.

31. Tax on Return on Equity:

(1) The base rate of return on equity as allowed by the Commission under Regulation 30 of these regulations shall be grossed up with the effective tax rate of the respective financial year. For this purpose, the effective tax rate shall be considered on the basis of actual tax paid in respect of the financial year in line with the provisions of the relevant Finance Acts by the concerned generating company or the transmission licensee, as the case may be. The actual tax paid on income from other businesses including deferred tax liability (i.e. income from business other than business of generation or transmission, as the case may be) shall be excluded for the calculation of effective tax rate.

(2) Rate of return on equity shall be rounded off to three decimal places and shall be computed as per the formula given below:

Rate of pre-tax return on equity = Base rate / (1-t)

Where "t" is the effective tax rate in accordance with clause (1) of this Regulation and shall be calculated at the beginning of every financial year based on the estimated profit and tax to be paid estimated in line with the provisions of the relevant Finance Act applicable for that financial year to the company on pro-rata basis by excluding the income of non-generation or non-transmission business, as the case may be, and the corresponding tax thereon. In case of generating company or transmission licensee paying Minimum Alternate Tax (MAT), "t" shall be considered as MAT rate including surcharge and cess.

Illustration-

(i) In case of a generating company or a transmission licensee paying Minimum Alternate Tax (MAT) @ 21.55% including surcharge and cess: Rate of return on equity = 15.50/(1-0.2155) = 19.758%

(ii) In case of a generating company or a transmission licensee paying normal corporate tax including surcharge and cess:

(a) Estimated Gross Income from generation or transmission business for 2019-20 is Rs. 1,000 Crore;

(b) Estimated Advance Tax for the year on above is Rs. 240 Crore;

(c) Effective Tax Rate for the year 2019-20 = Rs. 240 Crore/Rs. 1000 Crore = 24%;

(d) Rate of return on equity = 15.50/ (1-0.24) = 20.395%.

(3) The generating company or the transmission licensee, as the case may be, shall true up the grossed up rate of return on equity at the end of every financial year based on actual tax paid together with any additional tax demand including interest thereon, duly adjusted for any refund of tax including interest received from the income tax authorities pertaining to the tariff period 2019-24 on actual gross income of any financial year. However, penalty, if any, arising on account of delay in deposit or short deposit of tax amount shall not be claimed by the generating company or the transmission licensee, as the case may be. Any under-recovery or over-recovery of

grossed up rate on return on equity after truing up, shall be recovered or refunded to beneficiaries or the long term customers, as the case may be, on year to year basis."

32. Return on Equity (ROE) for the existing asset base and additional capital expenditure allowed in this order, for the asset/work, within the original scope of work has been calculated by grossing up of base RoE at the MAT rate of 17.472% as submitted by the Petitioner. Further, based on the additional capital expenditure which are beyond the original scope and allowed in this order, ROE has been calculated considering the weighted average rate of interest of the relevant year. Accordingly, RoE, has been worked out and allowed as under:

. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Equity-Opening (A)	73761.56	73769.88	73821.33	73862.68	73862.68
Addition of Equity due to additional capital expenditure (B)	8.32	51.45	41.35	0.00	0.00
Equity-Closing (C) = (A) + (B)	73769.88	73821.33	73862.68	73862.68	73862.68
Average Equity (D) = (A+C)/2	73765.72	73795.61	73842.01	73862.68	73862.68
Return on Equity (Base Rate) (E)	16.500%	16.500%	16.500%	16.500%	16.500%
Effective Tax Rate (F)	17.472%	17.472%	17.472%	17.472%	17.472%
Rate of Return on Equity (Pre-Tax) (G) = (E)/(1-F)	19.993%	19.993%	19.993%	19.993%	19.993%
Return on Equity (Pre-Tax) annualised (H) = (D)x(G)	**14747.98**	**14753.96**	**14763.23**	**14767.37**	**14767.37**
Addition due to additional capitalization beyond the original scope of work					
Normative Equity - Opening (A)	0.00	159.37	169.27	177.97	182.32
Addition of Equity due to additional capital expenditure (B)	159.37	9.90	8.70	4.35	4.20
Normative Equity-Closing (C) = (A) + (B)	159.37	169.27	177.97	182.32	186.52
Average Normative Equity (D) = (A+C)/2	79.69	164.32	173.62	180.15	184.42
Return on Equity (Base Rate) (E)	9.50%	9.50%	9.50%	9.50%	9.50%
Effective Tax Rate (F)	17.472%	17.472%	17.472%	17.472%	17.472%
Rate of Return on Equity (Pre-tax) (G) = (E)/(1-F)	11.51%	11.51%	11.51%	11.51%	11.51%
Return on Equity (Pre-tax)	9.17	18.92	19.99	20.74	21.23

	2019-20	2020-21	2021-22	2022-23	2023-24
- (annualized) (H) =(D)x(G)					
Total ROE	**14757.15**	**14772.87**	**14783.22**	**14788.10**	**14788.59**

Interest on Loan

33. Regulation 32 of the 2019 Tariff Regulations provides as under:

"32. Interest on loan capital:

(1) The loans arrived at in the manner indicated in Regulation 18 of these regulations shall be considered as gross normative loan for calculation of interest on loan.

(2) The normative loan outstanding as on 1.4.2019 shall be worked out by deducting the cumulative repayment as admitted by the Commission up to 31.3.2019 from the gross normative loan.

(3) The repayment for each of the year of the tariff period 2019-24 shall be deemed to be equal to the depreciation allowed for the corresponding year/period. In case of decapitalization of assets, the repayment shall be adjusted by taking into account cumulative repayment on a pro rata basis and the adjustment should not exceed cumulative depreciation recovered up to the date of de-capitalization of such asset.

(4) Notwithstanding any moratorium period availed by the generating company or the transmission licensee, as the case may be, the repayment of loan shall be considered from the first year of commercial operation of the project and shall be equal to the depreciation allowed for the year or part of the year.

(5) The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio after providing appropriate accounting adjustment for interest capitalized:

Provided that if there is no actual loan for a particular year but normative loan is still outstanding, the last available weighted average rate of interest shall be considered;
Provided further that if the generating station or the transmission system, as the case may be, does not have actual loan, then the weighted average rate of interest of the generating company or the transmission licensee as a whole shall be considered.

(6) The interest on loan shall be calculated on the normative average loan of the year by applying the weighted average rate of interest

(7) The changes to the terms and conditions of the loans shall be reflected from the date of such re-financing."

34. The salient features for computation of interest on loan are summarized below:

a) The gross normative loan as on 31.3.2019 has been considered as on 1.4.2019;

b) Cumulative repayment as on 31.3.2019 has been considered as on 1.4.2019;

c) Addition to normative loan on account of additional capital expenditure allowed above has been considered;

d) The repayment for the respective years of the 2019-24 tariff period, has been considered equal to the depreciation allowed for that year subject to outstanding loan amount;

e) Further, the repayments have been adjusted for de-capitalization of assets considered for the purpose of tariff.

f) Interest on loan has been calculated on the normative average loan of the year by applying the weighted average rate of interest as claimed by the Petitioner.

35. Accordingly, Interest on loan has been worked out as under:

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Gross opening loan (A)	75182.74	75602.94	75897.48	76119.13	76129.28
Cumulative repayment of loan upto previous year (B)	75182.74	75602.94	75897.48	76119.13	76129.28
Net Loan Opening (C) = (A) - (B)	0.00	0.00	0.00	0.00	0.00
Addition due to additional capital expenditure (D)	420.19	294.55	221.65	10.15	9.80
Repayment of Loan during the period (E)	449.43	449.27	330.00	10.15	9.80
Less: Repayment adjustment on a/c of decapitalization (F)	29.23	154.72	108.36	0.00	0.00
Net Repayment of Loan during the period (G) = (E) - (F)	420.19	294.55	221.65	10.15	9.80
Net Loan Closing (H) =(C) +(D) -(G)	0.00	0.00	0.00	0.00	0.00
Average Loan (I) = (C+H)/2	0.00	0.00	0.00	0.00	0.00
Weighted Average Rate of Interest on loan (J)	9.50%	9.50%	9.50%	9.50%	9.50%
Interest on Loan (K) = (I)*(J)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

**The adjustment on account of de-capitalization shall be taken at the time of truing-up of tariff, when the additional capitalization and de-capitalization gets firmed up.*

Depreciation

36. Regulation 33 of the 2019 Tariff Regulations provides as under:

"33. Depreciation:

(1) Depreciation shall be computed from the date of commercial operation of a generating station or unit thereof or a transmission system or element thereof including communication system. In case of the tariff of all the units of a generating station or all elements of a transmission system including communication system for which a single tariff needs to be determined, the depreciation shall be computed from the effective date of commercial operation of the generating station or the transmission system taking into consideration the depreciation of individual units:

Provided that effective date of commercial operation shall be worked out by considering the actual date of commercial operation and installed capacity of all the units of the generating station or capital cost of all elements of the transmission system, for which single tariff needs to be determined.

(2) The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission. In case of multiple units of a generating station or multiple elements of a transmission system, weighted average life for the generating station of the transmission system shall be applied. Depreciation shall be chargeable from the first year of commercial operation. In case of commercial operation of the asset for part of the year, depreciation shall be charged on pro rata basis.

(3) The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset:

Provided that the salvage value for IT equipment and software shall be considered as NIL and 100% value of the assets shall be considered depreciable;

Provided further that in case of hydro generating stations, the salvage value shall be as provided in the agreement, if any, signed by the developers with the State Government for development of the generating station:

Provided also that the capital cost of the assets of the hydro generating station for the purpose of computation of depreciated value shall correspond to the percentage of sale of electricity under long-term power purchase agreement at regulated tariff:

Provided also that any depreciation disallowed on account of lower availability of the generating station or unit or transmission system as the case may be, shall not be allowed to be recovered at a later stage during the useful life or the extended life.

(4) Land other than the land held under lease and the land for reservoir in case of hydro generating station shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the asset.

(5) Depreciation shall be calculated annually based on Straight Line Method and at rates specified in Appendix-I to these regulations for the assets of the generating station and transmission system:

Provided that the remaining depreciable value as on 31st March of the year closing after a period of 12 years from the effective date of commercial operation of the station shall be spread over the balance useful life of the assets.

(6) In case of the existing projects, the balance depreciable value as on 1.4.2019 shall be worked out by deducting the cumulative depreciation as admitted by the Commission up to 31.3.2019 from the gross depreciable value of the assets.

(7) The generating company or the transmission licensee, as the case may be, shall submit the details of proposed capital expenditure five years before the completion of

useful life of the project along with justification and proposed life extension. The Commission based on prudence check of such submissions shall approve the depreciation on capital expenditure.

(8) In case of de-capitalization of assets in respect of generating station or unit thereof or transmission system or element thereof, the cumulative depreciation shall be adjusted by taking into account the depreciation recovered in tariff by the de-capitalized asset during its useful services."

37. Accordingly, the cumulative depreciation amounting to Rs. 99916.69 lakh as on 31.3.2019, has been considered for the purpose of tariff. The effective COD of the generating station is 12.4.2004. Since the generating station has completed 12 years of operation as on 31.3.2017, the remaining depreciable value has been spread over the balance useful life of the assets. In terms of the 2014 Tariff Regulations, the useful life of a hydro generating station was 35 years. However, the 2019 Tariff Regulations stipulates that the useful life of a hydro generating station is 40 years. Accordingly, the balance useful life of the generating station, as on 1.4.2019, has been considered as 23.59 years, in line with the 2019 Tariff Regulations. Accordingly, depreciation has been computed as under:

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Average Capital Cost (A)	149238.25	149710.14	150023.94	150167.04	150181.29
Value of freehold land included in average capital cost (B)	239.68	239.68	239.68	239.68	239.68
Land under reservoir & land lease hold (C)	0.00	0.00	0.00	0.00	0.00
Aggregated Depreciable Value (D)= (A-B+C) *90%	134098.71	134523.41	134805.83	134934.62	134947.44
Remaining aggregate depreciable value at the beginning of the year (E) = (D) - (M)	34182.02	33186.71	32154.51	30902.06	29413.77
No. of completed years at the beginning of the year (F)	16.41	17.41	18.41	19.41	20.41
Balance useful life at the beginning of the year (G) = 40 - (F)	23.59	22.59	21.59	20.59	19.59
Weighted Average Rate of Depreciation	--	--	--	--	--

	2019-20	2020-21	2021-22	2022-23	2023-24
(WAROD) (H)**					
Combined Depreciation during the year/ period (I)** = E/G	1449.24	1469.34	1489.59	1501.11	1501.77
Combined Depreciation during the year/ period (annualized) (J) = (I)	1449.24	1469.34	1489.59	1501.11	1501.77
Cumulative depreciation at the end of the year (before adjustment for de-capitalization) (K) = (J) + (Cumulative Depreciation (shown at M), at the end of the previous year)	101365.93	102806.04	104140.91	105533.67	107035.44
Less: Depreciation adjustment on account of de-capitalization (L)	**29.23**	**154.72**	**108.36**	**0.00**	**0.00**
Cumulative depreciation at the end of the year (M)* = (K) - (L)	**101336.70**	**102651.32**	**104032.56**	**105533.67**	**107035.44**

**Cumulative depreciation as on 31.03.2019 is Rs. 99916.69 ** Depreciation has been calculated on the basis of spread over balance useful life as the generating station has already completed 12 yrs.*

Operation & Maintenance Expenses

38. Regulation 35(2)(a) of the 2019 Tariff Regulations provides as under:

> *(2) Hydro Generating Station: (a) Following operations and maintenance expense norms shall be applicable for hydro generating stations which have been operational for three or more years as on 1.4.2019:*

(Rs. in lakh)

Particulars	*2019-20*	*2022-21*	*2021-22*	*2022-23*	*2023-24*
Ranganadi	*12095.88*	*12672.44*	*13276.47*	*13909.30*	*14572.30*

39. The Petitioner has claimed O&M expenses in accordance with the above Regulations and hence the same is allowed.

Security Expenses

40. The Petitioner has not claimed Security expenses as part of O&M expenses in terms of Regulation 35(2)(d) of the 2019 Tariff Regulations. Therefore, no expenditure has been considered towards security expenses.

Capital Spares

41. The third proviso to Regulation 35(1)(6) of the 2019 Tariff Regulations provides as under:

> *"35(I)(6) The Water Charges, Security Expenses and Capital Spares for thermal generating stations shall be allowed separately after prudence check:*
>
> *Provided also that the generating station shall submit the details of year-wise actual capital spares consumed at the time of truing up with appropriate justification for incurring the same and substantiating that the same is not funded through compensatory allowance as per Regulation 17 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 or Special Allowance or claimed as a part of additional capitalization or consumption of stores and spares and renovation and modernization"*

42. The third proviso to Regulation 35(1)(6) of the 2019 Tariff Regulations provides that the Petitioner is required to confirm that the capital spares claimed is not funded through compensatory allowance as per Regulation 17 of the 2019 Tariff Regulations or Special Allowance or claimed as a part of additional capitalisation or consumption of stores and spares and renovation and modernization. It is observed that the capital spares have been claimed as part of additional capital expenditure and same has also been included in Form 9A. As per proviso of Regulation 35(2)(c) of 2019 Tariff Regulations, the Petitioner shall claim the capital spares after consumption. Therefore, the capital spares claimed by the Petitioner is not allowed. However, the Petitioner is granted liberty to claim actual capital spares consumed (year-wise) along with proper justification and with a confirmation that the same has not been funded through compensatory allowance as per Regulation 17 of the 2019 Tariff Regulations or Special Allowance or claimed as a part of additional capitalisation or consumption of stores and spares and renovation and modernization.

43. Based on the above, the O&M expenses allowed for the generating station is as under:

(Rs. in lakh)

		2019-20	2020-21	2021-22	2022-23	2023-24
Installed Capacity (MW) (A)		405.00	405.00	405.00	405.00	405.00
O&M Expenses under Reg.35(1) in Rs lakh / MW (B)	Claimed	12095.88	12672.44	13276.47	13909.30	14572.30
	Allowed	**12095.88**	**12672.44**	**13276.47**	**13909.30**	**14572.30**
Capital Spares (in Rs lakh) (C)	Claimed	0.00	0.00	0.00	0.00	0.00
	Allowed	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Security Expenses (in Rs lakh) (D)	Claimed	0.00	0.00	0.00	0.00	0.00
	Allowed	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Total O&M Expenses as allowed (including Water charges and capital spares consumed) (E) = (B+C+D)	Claimed	**12095.88**	**12672.44**	**13276.47**	**13909.30**	**14572.30**
	Allowed	**12095.88**	**12672.44**	**13276.47**	**13909.30**	**14572.30**

Interest on Working Capital

44. Sub-section (c) of clause (1) of Regulation 34 of the 2019 Tariff Regulations provides as under:

> *"34. Interest on Working Capital: (1) The working capital shall cover*
>
> *(c) For Hydro generating station (including Pumped Storage Hydro Generating Station) and transmission system:*
>
> *(i) Receivables equivalent to 45 days of annual fixed cost;*
>
> *(ii) Maintenance spares @ 15% of operation and maintenance expense including security expenses; and*
>
> *(iii) Operation and maintenance expenses including security expenses for one month"*

Working capital for Receivables

45. Receivable component of working capital has been worked out and allowed on the basis of 45 days of fixed cost as under:

(Rs. in lakh)

2019-20	2020-21	2021-22	2022-23	2023-24
3574.56	3656.55	3731.47	3814.50	3888.69

Working capital for Maintenance Spares

46. Maintenance spares component of working capital has been worked out on the basis of 15% of annual O&M expenses and allowed as under:

(Rs. in lakh)

2019-20	2020-21	2021-22	2022-23	2023-24
1814.38	1900.87	1991.47	2086.40	2185.85

Working capital for O&M expenses

47. O&M expenses component of Working Capital has been worked out on the basis of one month of O&M expenses including security expenses and allowed as under:

(Rs. in lakh)

2019-20	2020-21	2021-22	2022-23	2023-24
1007.99	1056.04	1106.37	1159.11	1214.36

Rate of Interest of working Capital

48. Regulation 34(3) of the 2019 Tariff Regulations provides as under:

> *"34(3) Rate of interest on working capital shall be on normative basis and shall be considered as the bank rate as on 1.4.2014 or as on 1st April of the year during the tariff period 2019-24 in which the generating station or a unit thereof or the transmission system including communication system or element thereof, as the case may be, is declared under commercial operation, whichever is later." Provided that in case of truing-up, the rate of interest on working capital shall be considered at bank rate as on 1st April of each of the financial year during the tariff period 2019-24."*

49. In accordance with Regulation 34(3) of the 2019 Tariff Regulations, the rate of interest on working capital considered on projection basis, for the 2019-24 tariff period is 12.05% (i.e.1-year SBI MCLR of 8.55% as on 1.4.2019 + 350 basis points). As the tariff of the generating station for 2019-24 tariff period is being determined during 2022-23, SBI MCLR as on 1.4.2020 (7.75%), 1.4.2021 (7.00%) and 1.4.2022 (7.00%) is also available which is lower in comparison to the same, as on 1.4.2019 (8.55%), we find it prudent to allow the rate of interest for the year 2019-20 is 12.05%, 2020-21 is 11.25%, 2021-24 is 10.50% (i.e. 1 year SBI MCLR of 7.75% as on 1.4.2020 + 350 basis points, 1 year SBI MCLR of 7.00% as on 1.4.2021 + 350 basis points and 1 year SBI MCLR of 7.00% as on 1.4.2022 + 350 basis points) subject to revision at the time of truing-up of tariff, based on the bank rate as on 1st

April of each financial year. Accordingly, Interest on working capital is allowed as under:

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Working capital for O&M expenses (one month)	1007.99	1056.04	1106.37	1159.11	1214.36
Working capital for Maintenance Spares	1814.38	1900.87	1991.47	2086.40	2185.85
Working capital for Receivables	3574.56	3656.55	3731.47	3814.50	3888.69
Total Working capital	**6396.93**	**6613.45**	**6829.31**	**7060.00**	**7288.89**
Rate of interest (%)	12.05%	11.25%	10.50%	10.50%	10.50%
Interest on Working capital for	**770.83**	**744.01**	**717.08**	**741.30**	**765.33**

Annual Fixed Charges

50. Based on the above, the annual fixed charges approved for the generating station for the 2019-24 tariff period are summarized as under:

(Rs. in lakh)

	2019-20	2020-21	2021-22	2022-23	2023-24
Depreciation (A)	1449.24	1469.34	1489.59	1501.11	1501.77
Interest on Loan (B)	0.00	0.00	0.00	0.00	0.00
Return on Equity (C)	14757.15	14772.87	14783.22	14788.10	14788.59
Interest on Working Capital (D)	770.83	744.01	717.08	741.30	765.33
O&M Expenses (E)	12095.88	12672.44	13276.47	13909.30	14572.30
Total AFC (F) = (A+B+C+D+E)	**29073.11**	**29658.67**	**30266.36**	**30939.81**	**31628.00**

***Note:** (1) All figures are on annualized basis. (2) All figures under each head have been rounded. The figure in total column in each year is also rounded. As such the sum of individual items may not be equal to the arithmetic total of the column.*

Normative Annual Plant Availability Factor (NAPAF)

51. The Petitioner has claimed NAPAF of 88% which is in accordance with Regulation 50(4) of the 2019 Tariff Regulations, accordingly, the same is allowed.

Design Energy (DE)

52. The Petitioner has claimed design energy of 1509.69 MUs for the 2019-24 tariff period. However, the Commission vide its order dated 7.6.2021 in Petition No.273/GT/2019 had observed the following:

"52. The Commission in its order dated 5.1.2016 in Petition No. 40/GT/2015 had considered the annual Design Energy (DE) of 1509.69 million units for this generating station. It is, however, noticed that in Petition No. 139/MP/2016 (NEEPCO v APDCL & 9 ors), the Petitioner had prayed for recovery of Energy Charge shortfall during the period of 2012-15, as well as the modification of DE for 2014-17 for calculation of ECR till the energy charge shortfall of the previous years has been made up for by the generating station, where actual energy generated by the station during a year is less than its approved design energy for reasons beyond the control of the generating company. The Commission, while disposing of the said petition by order dated 17.10.2017, had directed the Petitioner to approach CEA for revision of DE for the period 2014-15 onwards. In compliance with the said direction, the Petitioner has approached CEA. It is noticed that CEA vide its letter dated 14.3.2021 (Letter Ref No.CEA-HY-12-32/6/2020- HPA Division dated 14.3.2021) has approved DE of the generating station as 1293.73 MU and the same has been communicated by the Petitioner to the Commission vide its letter dated 15.3.2021. In this background and keeping in view that the present petition is for truing-up of tariff for the 2014-19 tariff period, we allow the Design Energy of 1293.73 MU as approved by CEA, for the generating station, as per month-wise details as under"

53. Accordingly, the annual Design Energy (DE) of 1293.73 Mus, as approved by order dated 7.6.2021 in Petition No.273/GT/2019, has been considered for the period 2019-24 as per month-wise details as under:

Months	Days	Design Energy (MU)
June	10	46.86
	10	92.34
	10	92.34
July	10	52.48
	10	48.00
	11	89.56
August	10	38.18
	10	31.12
	11	39.09
September	10	28.22
	10	92.34
	10	72.72
October	10	30.84
	10	25.61
	11	33.55
November	10	22.93
	10	22.19
	10	20.78
December	10	20.45
	10	21.19
	11	25.22
January	10	19.17
	10	18.64
	11	24.04

Months	Days	Design Energy (MU)
February	10	18.24
	10	17.77
	8	11.43
March	10	17.77
	10	20.92
	11	25.52
April	10	21.12
	10	23.80
	10	38.88
May	10	38.47
	10	29.70
	11	22.27
Total		**1293.73**

Application Fee and Publication Expenses

54. The Petitioner has sought the reimbursement of fees paid by it for filing the tariff petition and for publication expenses in respect of the same. Accordingly, in terms of the Regulation 70(1) of the 2019 Tariff Regulations, the Petitioner shall be entitled for the reimbursement of filing fees and publication expenses in connection with the present petition, directly from the beneficiaries, on pro-rata basis.

55. Similarly, RLDC fees & charges paid by the Petitioner in terms of the Central Electricity Regulatory Commission (Fees and Charges of Regional Load Dispatch Centre and other related matters) Regulations, 2015, shall be recovered from the beneficiaries. In addition, the Petitioner is entitled recovery of statutory taxes, levies, duties, Cess etc. levied by the statutory authorities in accordance with the 2014 Tariff Regulations.

Summary

56. The annual fixed charges claimed and allowed for the 2019-24 tariff period are summarized below:

(Rs in lakh)

Annual fixed charges	2019-20	2020-21	2021-22	2022-23	2023-24
Claimed	30404.35	31140.53	31845.84	32526.20	33218.01
Allowed	**29073.11**	**29658.67**	**30266.36**	**30939.81**	**31628.00**

57. The annual fixed charges approved above are subject to truing up in terms of Regulation 13 of the 2019 Tariff Regulations.

58. Petition No. 233/GT/2020 is disposed of in terms of the above.

Sd/-	***Sd/-***	***Sd/-***
(Pravas Kumar Singh)	**(Arun Goyal)**	**(I.S. Jha)**
Member	**Member**	**Member**

FORM-I

Particulars	
1. Name of the Petitioner/Applicant	NORTH EASTERN ELECTRIC POWER CORPORATTION Ltd. (NEEPCO Ltd.)
2. Address of the Petitioner/Applicant	Brookland Compound, Lower New Colony, Shillong - 793003
3. Subject Matter	CERC Application Fees for Financial Year 2024-25
4. Petition No., or Application No, if any 5. Details of generation assets (a) Generating station/units	As applicable 1. Kopili Hydro Electric Plant 200 MW 12.07.1997 2. Kopili – II Hydro Electric Plant 25 MW 26.07.2004 3. Khandong Hydro Electric Plant 50 MW 04.05.1984 4. Doyang Hydro Electric Plant 75 MW 08.07.2000 5. Panyor Lower Hydro Electric Plant 405 MW 12.04.2002 6. Pare Hydro Electric Plant 110 MW 28.05.2018 7. Tuirial Hydro Electric Plant 60 MW 30.01.2018 8. Kameng Hydro Electric Plant 600 MW 12.02.2021 9. Assam Gas Based Power Plant 291 MW 01.04.1999 10. Agartala Gas Turbine Combined Cycle Power Plant 135 MW 01.09.2015 11. Tripura Gas Based Power Plant 101 MW 31.3.2017
(b) Capacity in MW (c) Date of commercial operation (d) Period for which fee paid (e) Amount of fee paid (f) Surcharge, if any	2052 MW As mentioned at Sl. 5(a) above. Financial Year 2024-25 Rs.90,28,800.00 (Rupees Ninety Lakhs Twenty Eight Thousand Eight Hundred) only
6. Details of transmission assets (a) Transmission line and sub-stations (b) Date of commercial operation (c) Period for which fee paid (d) Amount of fee paid (f) Surcharge, if any	Not Applicable
7. Fee paid for Adoption of tariff for (a) Generation asset (b)Transmission asset	Generation asset
8. Application fee for licence (a) Trading licence (b) Transmission licence (c) Period for which paid (d)Amount of fee paid	Not Applicable
9. Fees paid for Miscellaneous Petition	Not Applicable
10. Fees paid for Interlocutory Application	Not Applicable
11.Fees paid for Regulatory Compliance	Not Applicable
12.Fees paid for Review Application	Not Applicable
13. Licence fees for Inter-State Trading (a) Category (b) Period (c) Amount of fee paid (d) Surcharge, if any	Not Applicable
14. Licence fees for Inter-State Transmission (a) Expected/Actual transmission charge (b) Period (c) Amount of fee calculated as a percentage of transmission charge. (d)Surcharge, if any	Not Applicable
15. Annual Registration Charge for Power Exchange/OTC Platform (a) Period (b) Amount of turnover (c) Fee paid (d)Surcharge, if any	Not Applicable
16. Details of fee remitted (a) Transaction Id, Reference no./Payment Id (b) Date of remittance (c) Amount remitted	Payment through the SAUDAMINI e-filing portal 10th April 2024 Rs.90,28,800.00 (Rupees Ninety Lakhs Twenty Eight Thousand Eight Hundred) only
Note: While Sl.No.1 to Sl. No. 3 and Sl. No. 16 are compulsory, the rest may be filled up as applicable	
Signature of the authorized signatory with date	10.04.2024 कार्यपालक निदेशक (वाणिज्यिक) Executive Director (Comml) नीपको लि., शिलांग NEEPCO Ltd., Shillong

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

No.: NEEPCO/ED(COMML)/F-41/2024-25/ 42 Dated 10.04.2024

The Secretary,
Central Electricity Regulatory Commission,
3rd and 4th Floor, Chanderlok Building,
36, Janpath, New Delhi - 110001. Date: 20.04.2023

Sub : Payment of Annual Application Fees for Determination of Tariff for Financial Year 2024 - 25.

Sir/Madam,

In compliance of Regulation 3 (Fee for Application for Determination of Tariff) of the Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012, the Application Fees of amount of Rs.90,28,800.00 (Rupees Ninety Lakhs Twenty-Eight Thousand Eight Hundred) only payable for the Financial Year 2024 - 24 in respect of the following generating stations of N EEPCO:

Name of Generating Station	Installed Capacity (MW)	Applicable fees (Rs.)
Kopili Hydro Electric Plant	200	8,80,000
Kopili II Hydro Electric Plant	25	1,10,000
Khandong Hydro Electric Plant	50	2,20,000
Doyang Hydro Electric Plant	75	3,30,000
Ranganadi Hydro Electric Plant	405	17,82,000
Pare Hydro Electric Plant	110	4,84,000
Tuirial Hydro Electric Plant	60	2,64,000
Kameng Hydro Electric Plant	600	26,40,000
Assam Gas Based Power Plant	291	12,80,400
Agartala Gas Turbine Combined Cycle Power Plant	135	5,94,000
Tripura Gas Based Power Plant	101	4,44,400
Total	**2052**	**90,28,800**

The duly filled in Form - I is enclosed herewith and the application fees deposited through the SAUDAMINI e-filing portal as stipulated vide Public Notice of the CERC dated 27.5.2021.

Thanking you,

10.04.2024

Executive Director
O/o the Executive Director (Commercial),
NEEPCO Ltd., Shillong-793003

Executive Director (Comml)
NEEPCO Ltd., Shillong

PLHPS-Inflow , Actual Gen Max possible Gen

PLHPS	2023-24											
Date	07:00 Hrs	10:00 Hrs	12:30 Hrs	15:00 Hrs	17:00 hrs	Avg Inflow	Usefull Inflow	Possible Gen as per Inflow (MU)	Actual Gen (MU)	Excess Gen (MU)	Short Gen (MU)	Max of maximum gen and Actual Gen
1 Apr 23	30.790	24.444	25.333	27.444	25.658	26.734	26.734	1.6241	**1.5620**	0.0000	-0.0621	1.6240784
2 Apr 23	39.234	37.832	31.929	39.831	38.200	37.405	37.405	2.2724	**2.5040**	0.2316	0.0000	2.504
3 Apr 23	40.296	46.209	31.851	42.815	51.922	42.619	42.619	2.5891	**2.7610**	0.1719	0.0000	2.761
4 Apr 23	52.543	47.931	45.626	45.749	46.202	47.610	47.610	2.8923	**3.5320**	0.6397	0.0000	3.532
5 Apr 23	128.761	112.864	95.786	86.536	76.371	100.064	100.064	6.0789	**5.1470**	0.0000	-0.9319	6.0788637
6 Apr 23	47.678	43.456	38.000	38.805	39.318	41.451	41.451	2.5182	**2.1820**	0.0000	-0.3362	2.5181726
7 Apr 23	47.678	51.900	45.761	45.761	43.456	46.911	46.911	2.8499	**2.9230**	0.0731	0.0000	2.923
8 Apr 23	35.012	29.556	29.556	29.555	30.563	30.848	30.848	1.8740	**1.8490**	0.0000	-0.0250	1.8740403
9 Apr 23	30.790	24.221	27.444	25.333	23.946	26.347	26.347	1.6006	**1.6190**	0.0184	0.0000	1.619
10 Apr 23	30.286	23.222	23.222	21.111	24.979	24.564	24.564	1.4923	**1.5690**	0.0767	0.0000	1.569
11 Apr 23	23.222	23.222	23.222	23.222	23.055	23.189	23.189	1.4087	**1.2410**	0.0000	-0.1677	1.4087075
12 Apr 23	21.111	21.111	22.082	18.444	19.012	20.352	20.352	1.2364	**1.5110**	0.2746	0.0000	1.511
13 Apr 23	21.111	19.000	19.000	23.055	20.402	20.514	20.514	1.2462	**1.6620**	0.4158	0.0000	1.662
14 Apr 23	18.333	20.166	21.111	21.111	22.621	20.668	20.668	1.2556	**1.2220**	0.0000	-0.0336	1.2556053
15 Apr 23	18.333	19.000	19.000	19.000	20.509	19.168	19.168	1.1645	**1.2230**	0.0585	0.0000	1.223
16 Apr 23	19.000	16.889	19.000	19.000	19.785	18.735	18.735	1.1381	**1.2320**	0.0939	0.0000	1.232
17 Apr 23	21.111	16.889	19.000	19.000	21.754	19.551	19.551	1.1877	**1.2310**	0.0433	0.0000	1.231
18 Apr 23	34.583	43.456	36.888	33.777	38.483	37.437	37.437	2.2743	**2.7540**	0.4797	0.0000	2.754
19 Apr 23	22.000	23.222	23.222	25.333	29.972	24.750	24.750	1.5036	**1.4000**	0.0000	-0.1036	1.5035504
20 Apr 23	68.468	73.080	74.246	65.801	57.357	67.790	67.790	4.1183	**4.1770**	0.0587	0.0000	4.177
21 Apr 23	70.900	78.039	84.956	91.524	106.336	86.351	86.351	5.2458	**4.3160**	0.0000	-0.9298	5.2458233
22 Apr 23	48.956	47.123	47.123	52.777	52.777	49.751	49.751	3.0224	**3.3290**	0.3066	0.0000	3.329
23 Apr 23	37.956	32.391	33.777	29.555	36.222	33.980	33.980	2.0643	**2.1050**	0.0407	0.0000	2.105
24 Apr 23	31.666	27.444	26.695	25.361	37.525	29.738	29.738	1.8066	**1.8330**	0.0264	0.0000	1.833
25 Apr 23	23.222	21.111	21.111	26.216	29.711	24.274	24.274	1.4747	**1.5240**	0.0493	0.0000	1.524
26 Apr 23	23.222	21.111	23.222	23.222	0.000	18.155	18.155	1.1029	**1.6380**	0.5351	0.0000	1.638
27 Apr 23	23.833	23.222	23.222	23.222	34.658	25.631	25.631	1.5571	**1.4960**	0.0000	-0.0611	1.5571076
28 Apr 23	22.000	21.111	21.111	21.111	21.728	21.412	21.412	1.3008	**1.2860**	0.0000	-0.0148	1.3007912

29 Apr 23	23.222	23.222	27.444	59.944	69.681	40.703	40.703	2.4727	**2.7100**	0.2373	0.0000	2.71
30 Apr 23	45.833	50.666	96.833	120.135	102.196	83.133	83.133	5.0503	**4.3400**	0.0000	-0.7103	5.0503091
1 May 23	50.789	47.678	42.176	40.111	38.000	43.751	43.751	2.6579	**3.1230**	0.4651	0.0000	3.123
2 May 23	48.417	57.289	76.846	80.980	67.012	66.109	66.109	4.0161	**3.7670**	0.0000	-0.2491	4.0161096
3 May 23	43.344	49.247	34.944	36.889	40.100	40.905	40.905	2.4850	**2.5270**	0.0420	0.0000	2.527
4 May 23	37.123	37.123	33.777	38.971	43.263	38.051	38.051	2.3116	**2.2390**	0.0000	-0.0726	2.3116226
5 May 23	35.834	37.953	39.166	36.889	45.568	39.082	39.082	2.3742	**2.6750**	0.3008	0.0000	2.675
6 May 23	46.954	45.567	43.456	43.456	41.345	44.156	44.156	2.6825	**2.7950**	0.1125	0.0000	2.795
7 May 23	47.678	46.505	46.277	48.537	45.761	46.952	46.952	2.8523	**2.5150**	0.0000	-0.3373	2.8523097
8 May 23	46.619	45.761	48.067	54.983	57.154	50.517	50.517	3.0689	**3.2390**	0.1701	0.0000	3.239
9 May 23	45.036	41.150	38.844	38.845	38.845	40.544	40.544	2.4630	**2.8050**	0.3420	0.0000	2.805
10 May 23	35.013	30.725	27.444	27.444	29.925	30.110	30.110	1.8292	**1.8660**	0.0368	0.0000	1.866
11 May 23	25.333	25.333	25.333	27.667	28.258	26.385	26.385	1.6029	**1.4450**	0.0000	-0.1579	1.6028766
12 May 23	23.222	23.222	23.222	23.055	24.371	23.418	23.418	1.4227	**1.4620**	0.0393	0.0000	1.462
13 May 23	21.111	23.222	21.111	23.056	25.228	22.746	22.746	1.3818	**1.4520**	0.0702	0.0000	1.452
14 May 23	21.111	19.000	19.000	18.444	20.483	19.608	19.608	1.1912	**1.4540**	0.2628	0.0000	1.454
15 May 23	21.111	19.000	19.000	19.000	20.818	19.786	19.786	1.2020	**1.3480**	0.1460	0.0000	1.348
16 May 23	21.111	19.000	21.111	19.000	25.040	21.052	21.052	1.2789	**1.3250**	0.0461	0.0000	1.325
17 May 23	29.555	29.555	27.666	27.666	31.929	29.274	29.274	1.7784	**1.8060**	0.0276	0.0000	1.806
18 May 23	63.333	61.900	52.678	46.747	43.638	53.659	53.659	3.2598	**2.7860**	0.0000	-0.4738	3.2597964
19 May 23	69.672	57.287	52.678	48.067	50.106	55.562	55.562	3.3754	**2.8740**	0.0000	-0.5014	3.3753915
20 May 23	63.819	57.289	43.456	41.151	50.024	51.148	51.148	3.1072	**3.2630**	0.1558	0.0000	3.263
21 May 23	52.777	47.027	50.372	55.969	51.037	51.436	51.436	3.1248	**3.8560**	0.7312	0.0000	3.856
22 May 23	68.580	56.628	54.456	50.666	48.555	55.777	55.777	3.3885	**3.9460**	0.5575	0.0000	3.946
23 May 23	41.513	41.345	41.345	39.234	39.234	40.534	40.534	2.4625	**2.6490**	0.1865	0.0000	2.649
24 May 23	31.599	30.834	29.555	50.666	32.277	34.986	34.986	2.1254	**1.9560**	0.0000	-0.1694	2.1254117
25 May 23	52.838	49.789	45.567	43.456	39.040	46.138	46.138	2.8029	**2.7420**	0.0000	-0.0609	2.8028835
26 May 23	50.727	44.333	44.651	43.456	64.052	49.444	49.444	3.0037	**2.6590**	0.0000	-0.3447	3.0037109
27 May 23	51.513	51.901	51.901	62.250	83.772	60.267	60.267	3.6612	**3.4820**	0.0000	-0.1792	3.6612446
28 May 23	50.789	49.789	41.699	38.000	43.263	44.708	44.708	2.7160	**2.8920**	0.1760	0.0000	2.892
29 May 23	35.226	35.012	31.667	31.667	29.972	32.709	32.709	1.9871	**2.0580**	0.0709	0.0000	2.058
30 May 23	29.556	27.444	19.000	25.722	27.666	25.878	25.878	1.5721	**1.5510**	0.0000	-0.0211	1.5720642
31 May 23	27.444	23.222	23.222	27.666	23.556	25.022	25.022	1.5201	**1.5370**	0.0169	0.0000	1.537
1 Jun 23	25.333	21.111	21.111	27.666	23.055	23.655	23.655	1.4371	**1.5400**	0.1029	0.0000	1.54
2 Jun 23	25.333	21.111	29.972	27.666	0.000	20.816	20.816	1.2646	**1.6040**	0.3394	0.0000	1.604
3 Jun 23	25.333	23.222	25.361	23.055	29.623	25.319	25.319	1.5381	**1.5460**	0.0079	0.0000	1.546
4 Jun 23	21.111	23.222	24.777	25.361	24.371	23.768	23.768	1.4439	**1.6120**	0.1681	0.0000	1.612

5 Jun 23	25.333	31.666	27.833	27.666	25.361	27.572	27.572	1.6750	**1.5170**	0.0000	-0.1580	1.6749869
6 Jun 23	29.555	25.333	27.666	25.361	23.055	26.194	26.194	1.5913	**1.6510**	0.0597	0.0000	1.651
7 Jun 23	23.222	23.222	21.305	23.055	20.750	22.311	22.311	1.3554	**1.4720**	0.1166	0.0000	1.472
8 Jun 23	21.111	16.888	19.000	22.666	23.055	20.544	20.544	1.2480	**1.4910**	0.2430	0.0000	1.491
9 Jun 23	21.111	21.111	19.000	23.999	23.999	21.844	21.844	1.3270	**1.1930**	0.0000	-0.1340	1.327023
10 Jun 23	25.333	25.333	25.361	27.666	25.361	25.811	25.811	1.5680	**2.0190**	0.4510	0.0000	2.019
11 Jun 23	77.016	79.345	101.456	165.289	183.780	121.377	121.377	7.3737	**5.5260**	0.0000	-1.8477	7.3736649
12 Jun 23	95.357	93.246	82.691	66.983	68.096	81.275	81.275	4.9374	**6.0490**	1.1116	0.0000	6.049
13 Jun 23	142.086	111.753	117.930	118.854	107.037	119.532	119.532	7.2616	**8.3950**	1.1334	0.0000	8.395
14 Jun 23	81.789	76.039	96.928	99.455	109.357	92.714	92.714	5.6324	**5.0430**	0.0000	-0.5894	5.6323512
15 Jun 23	116.954	120.245	118.996	121.135	221.768	139.820	139.820	8.4940	**7.5680**	0.0000	-0.9260	8.4940407
16 Jun 23	150.667	206.057	455.712	333.347	261.919	281.540	160.000	9.7200	**9.5070**	0.0000	-0.2130	9.72
17 Jun 23	188.146	200.359	182.786	180.453	182.786	186.906	160.000	9.7200	**9.7930**	0.0730	0.0000	9.793
18 Jun 23	142.888	128.475	132.508	125.086	120.867	129.965	129.965	7.8954	**8.7270**	0.8316	0.0000	8.727
19 Jun 23	125.333	118.333	118.333	111.704	104.753	115.691	115.691	7.0282	**7.0450**	0.0168	0.0000	7.045
20 Jun 23	137.419	125.753	116.419	118.899	123.954	124.489	124.489	7.5627	**9.3500**	1.7873	0.0000	9.35
21 Jun 23	281.397	333.040	251.725	292.975	286.391	289.106	160.000	9.7200	**8.8160**	0.0000	-0.9040	9.72
22 Jun 23	192.641	189.891	188.308	182.416	179.666	186.584	160.000	9.7200	**9.8580**	0.1380	0.0000	9.858
23 Jun 23	207.166	170.406	151.973	143.253	135.669	161.693	160.000	9.7200	**9.8540**	0.1340	0.0000	9.854
24 Jun 23	111.364	102.564	107.619	108.302	104.137	106.797	106.797	6.4879	**7.6500**	1.1621	0.0000	7.65
25 Jun 23	89.051	91.190	91.384	89.246	91.579	90.490	90.490	5.4973	**5.5280**	0.0307	0.0000	5.528
26 Jun 23	99.395	93.329	89.051	82.636	82.636	89.409	89.409	5.4316	**6.4580**	1.0264	0.0000	6.458
27 Jun 23	93.913	86.913	86.905	80.543	86.358	86.926	86.926	5.2808	**5.8250**	0.5442	0.0000	5.825
28 Jun 23	91.384	91.579	80.789	76.122	82.643	84.503	84.503	5.1336	**5.3350**	0.2014	0.0000	5.335
29 Jun 23	81.302	77.024	77.024	74.691	79.171	77.842	77.842	4.7289	**4.5430**	0.0000	-0.1859	4.7289258
30 Jun 23	61.444	62.753	66.074	65.731	0.000	51.200	51.200	3.1104	**3.8960**	0.7856	0.0000	3.896
1 Jul 23	60.472	69.752	73.074	76.794	64.481	68.915	68.915	4.1866	**4.1050**	0.0000	-0.0816	4.186562
2 Jul 23	54.249	60.419	59.074	64.469	64.481	60.538	60.538	3.6777	**3.6680**	0.0000	-0.0097	3.6777078
3 Jul 23	78.287	99.138	137.468	152.417	152.417	123.945	123.945	7.5297	**5.5450**	0.0000	-1.9847	7.5296831
4 Jul 23	92.966	91.190	86.913	89.052	86.913	89.407	89.407	5.4315	**7.0080**	1.5765	0.0000	7.008
5 Jul 23	71.261	69.123	69.123	66.789	65.180	68.295	68.295	4.1489	**4.2190**	0.0701	0.0000	4.219
6 Jul 23	66.983	64.845	57.750	64.456	62.846	63.376	63.376	3.8501	**3.8850**	0.0349	0.0000	3.885
7 Jul 23	75.317	94.789	108.629	106.480	112.049	99.453	99.453	6.0418	**5.1920**	0.0000	-0.8498	6.0417576
8 Jul 23	97.122	107.303	112.827	110.148	100.037	105.487	105.487	6.4084	**6.0650**	0.0000	-0.3434	6.4083596
9 Jul 23	106.969	126.024	115.433	100.037	93.037	108.300	108.300	6.5792	**6.0200**	0.0000	-0.5592	6.579225
10 Jul 23	85.907	82.857	77.024	74.691	73.839	78.864	78.864	4.7910	**4.6950**	0.0000	-0.0960	4.7909637
11 Jul 23	84.740	79.358	78.246	82.247	104.704	85.859	85.859	5.2159	**5.3820**	0.1661	0.0000	5.382

12 Jul 23	119.676	117.537	182.472	262.057	208.974	178.143	160.000	9.7200	**8.4760**	0.0000	-1.2440	9.72
13 Jul 23	202.972	200.444	238.916	166.750	172.916	196.400	160.000	9.7200	**9.7740**	0.0540	0.0000	9.774
14 Jul 23	112.919	109.419	111.704	107.036	104.703	109.156	109.156	6.6312	**8.8530**	2.2218	0.0000	8.853
15 Jul 23	101.097	94.990	94.814	95.086	0.000	77.197	77.197	4.6897	**5.8410**	1.1513	0.0000	5.841
16 Jul 23	94.298	88.691	93.913	86.913	86.913	90.146	90.146	5.4763	**5.4900**	0.0137	0.0000	5.49
17 Jul 23	165.055	182.750	402.335	285.916	307.916	268.794	160.000	9.7200	**9.7610**	0.0410	0.0000	9.761
18 Jul 23	147.361	134.722	129.666	121.305	116.419	129.895	129.895	7.8911	**9.7310**	1.8399	0.0000	9.731
19 Jul 23	121.305	103.369	105.508	111.925	111.925	110.806	110.806	6.7315	**6.2410**	0.0000	-0.4905	6.7314888
20 Jul 23	83.441	79.163	81.691	81.691	84.098	82.017	82.017	4.9825	**4.8430**	0.0000	-0.1395	4.9825206
21 Jul 23	77.024	77.024	77.024	70.024	75.489	75.317	75.317	4.5755	**4.5790**	0.0035	0.0000	4.579
22 Jul 23	77.024	72.746	68.469	64.191	64.844	69.455	69.455	4.2194	**4.0280**	0.0000	-0.1914	4.2193791
23 Jul 23	88.691	82.247	82.246	72.913	77.579	80.735	80.735	4.9047	**5.2890**	0.3843	0.0000	5.289
24 Jul 23	71.178	59.999	65.333	71.283	68.246	67.208	67.208	4.0829	**4.1110**	0.0281	0.0000	4.111
25 Jul 23	68.444	86.419	93.358	97.024	96.447	88.338	88.338	5.3666	**4.4200**	0.0000	-0.9466	5.3665578
26 Jul 23	88.691	91.580	98.050	102.370	111.703	98.479	98.479	5.9826	**6.2920**	0.3094	0.0000	6.292
27 Jul 23	89.858	77.024	98.024	125.987	123.975	102.974	102.974	6.2556	**5.6340**	0.0000	-0.6216	6.2556462
28 Jul 23	146.802	118.147	126.049	125.068	112.074	125.628	125.628	7.6319	**7.7450**	0.1131	0.0000	7.745
29 Jul 23	288.666	270.460	212.480	191.500	170.166	226.654	160.000	9.7200	**9.6850**	0.0000	-0.0350	9.72
30 Jul 23	148.308	139.778	144.833	124.611	114.500	134.406	134.406	8.1652	**9.5990**	1.4338	0.0000	9.599
31 Jul 23	144.419	125.777	117.537	113.258	108.982	121.995	121.995	7.4112	**8.4400**	1.0288	0.0000	8.44
1 Aug 23	128.913	120.172	112.666	100.222	91.432	110.681	110.681	6.7239	**7.0470**	0.3231	0.0000	7.047
2 Aug 23	94.135	85.580	88.691	85.913	86.913	88.246	88.246	5.3610	**4.8860**	0.0000	-0.4750	5.3609688
3 Aug 23	133.049	121.037	107.037	102.716	98.049	112.378	112.378	6.8269	**7.0460**	0.2191	0.0000	7.046
4 Aug 23	111.271	98.438	99.746	95.486	96.246	100.237	100.237	6.0894	**6.3450**	0.2556	0.0000	6.345
5 Aug 23	100.913	100.913	96.246	96.246	96.246	98.113	98.113	5.9604	**6.4870**	0.5266	0.0000	6.487
6 Aug 23	121.135	150.301	155.333	150.666	146.000	144.687	144.687	8.7897	**7.5680**	0.0000	-1.2217	8.7897353
7 Aug 23	115.937	112.049	106.839	100.913	96.246	106.397	106.397	6.4636	**6.8970**	0.4334	0.0000	6.897
8 Aug 23	132.889	149.037	128.222	114.222	112.278	127.330	127.330	7.7353	**8.7240**	0.9887	0.0000	8.724
9 Aug 23	133.580	111.703	107.037	108.981	100.425	112.345	112.345	6.8250	**7.0890**	0.2640	0.0000	7.089
10 Aug 23	121.037	116.370	102.370	102.716	102.802	109.059	109.059	6.6253	**7.2260**	0.6007	0.0000	7.226
11 Aug 23	124.611	116.419	104.888	104.703	105.454	111.215	111.215	6.7563	**8.9310**	2.1747	0.0000	8.931
12 Aug 23	99.107	96.469	93.358	97.135	91.580	95.530	95.530	5.8034	**5.3800**	0.0000	-0.4234	5.8034354
13 Aug 23	255.549	214.030	211.641	193.000	171.000	209.044	160.000	9.7200	**8.5680**	0.0000	-1.1520	9.72
14 Aug 23	123.030	112.919	107.086	97.753	110.246	110.207	110.207	6.6951	**9.1470**	2.4519	0.0000	9.147
15 Aug 23	99.746	94.135	98.413	93.358	91.580	95.446	95.446	5.7984	**5.7680**	0.0000	-0.0304	5.7983688
16 Aug 23	89.691	90.512	81.956	85.456	90.393	87.602	87.602	5.3218	**5.3080**	0.0000	-0.0138	5.3217972
17 Aug 23	90.512	91.579	96.246	96.246	96.246	94.166	94.166	5.7206	**5.6880**	0.0000	-0.0326	5.7205724

18 Aug 23	77.697	76.931	84.024	77.580	77.580	78.762	78.762	4.7848	**5.0150**	0.2302	0.0000	5.015
19 Aug 23	73.400	73.400	71.456	72.913	72.913	72.816	72.816	4.4236	**4.3230**	0.0000	-0.1006	4.4235963
20 Aug 23	69.122	69.122	66.790	66.790	72.913	68.947	68.947	4.1886	**4.3670**	0.1784	0.0000	4.367
21 Aug 23	73.400	73.400	71.456	71.456	72.913	72.525	72.525	4.4059	**4.3170**	0.0000	-0.0889	4.4058938
22 Aug 23	96.246	110.246	390.882	333.585	340.666	254.325	160.000	9.7200	**6.7270**	0.0000	-2.9930	9.72
23 Aug 23	180.500	138.833	133.333	124.222	122.556	139.889	139.889	8.4982	**9.7320**	1.2338	0.0000	9.732
24 Aug 23	106.764	114.814	121.037	144.592	144.419	126.325	126.325	7.6743	**7.6500**	0.0000	-0.0243	7.6742559
25 Aug 23	145.846	128.474	130.370	117.537	113.259	127.097	127.097	7.7212	**8.4000**	0.6788	0.0000	8.4
26 Aug 23	121.382	116.716	126.049	135.037	144.419	128.721	128.721	7.8198	**6.8650**	0.0000	-0.9548	7.8197765
27 Aug 23	183.585	173.333	170.166	193.518	166.018	177.324	160.000	9.7200	**9.7430**	0.0230	0.0000	9.743
28 Aug 23	157.666	217.333	303.000	259.077	270.077	241.431	160.000	9.7200	**9.7480**	0.0280	0.0000	9.748
29 Aug 23	166.726	170.166	164.666	164.666	153.666	163.978	160.000	9.7200	**9.7670**	0.0470	0.0000	9.767
30 Aug 23	128.647	138.196	133.141	130.419	125.753	131.231	131.231	7.9723	**9.6730**	1.7007	0.0000	9.673
31 Aug 23	119.580	114.913	110.246	115.203	114.036	114.796	114.796	6.9738	**7.0070**	0.0332	0.0000	7.007
1 Sep 23	110.246	105.580	100.913	102.370	102.370	104.296	104.296	6.3360	**6.7210**	0.3850	0.0000	6.721
2 Sep 23	92.191	93.358	89.857	91.969	91.969	91.869	91.869	5.5810	**5.3060**	0.0000	-0.2750	5.5810296
3 Sep 23	88.691	84.024	86.913	86.913	88.370	86.982	86.982	5.2842	**5.5320**	0.2478	0.0000	5.532
4 Sep 23	81.956	74.567	76.122	76.122	77.580	77.269	77.269	4.6941	**4.7110**	0.0169	0.0000	4.711
5 Sep 23	73.400	69.122	76.122	71.456	72.913	72.603	72.603	4.4106	**4.4470**	0.0364	0.0000	4.447
6 Sep 23	73.400	69.122	75.733	71.456	68.246	71.591	71.591	4.3492	**4.2170**	0.0000	-0.1322	4.3491776
7 Sep 23	69.122	64.845	69.123	66.789	63.258	66.627	66.627	4.0476	**4.0640**	0.0164	0.0000	4.064
8 Sep 23	69.123	64.845	69.123	62.123	62.122	65.467	65.467	3.9771	**4.0340**	0.0569	0.0000	4.034
9 Sep 23	66.789	60.691	60.691	65.358	63.061	63.318	63.318	3.8466	**3.8540**	0.0074	0.0000	3.854
10 Sep 23	62.122	65.358	65.358	60.691	60.691	62.844	62.844	3.8178	**3.8700**	0.0522	0.0000	3.87
11 Sep 23	60.657	65.358	62.122	62.122	61.481	62.348	62.348	3.7876	**3.5980**	0.0000	-0.1896	3.787641
12 Sep 23	52.888	57.456	57.456	57.456	47.481	54.547	54.547	3.3138	**3.4250**	0.1112	0.0000	3.425
13 Sep 23	60.666	57.456	58.622	54.913	56.970	57.725	57.725	3.5068	**3.7510**	0.2442	0.0000	3.751
14 Sep 23	51.333	51.333	52.139	48.511	53.567	51.377	51.377	3.1211	**2.7610**	0.0000	-0.3601	3.1211285
15 Sep 23	46.666	42.000	45.500	49.646	51.358	47.034	47.034	2.8573	**2.9870**	0.1297	0.0000	2.987
16 Sep 23	46.666	42.000	40.444	53.567	48.511	46.238	46.238	2.8089	**3.0970**	0.2881	0.0000	3.097
17 Sep 23	51.333	46.666	46.666	45.500	53.567	48.746	48.746	2.9613	**2.6450**	0.0000	-0.3163	2.9613438
18 Sep 23	56.000	46.666	45.500	48.512	48.511	49.038	49.038	2.9790	**3.0730**	0.0940	0.0000	3.073
19 Sep 23	51.333	46.666	45.500	48.511	48.511	48.104	48.104	2.9223	**3.1530**	0.2307	0.0000	3.153
20 Sep 23	70.000	62.122	63.678	56.413	56.580	61.759	61.759	3.7518	**3.7440**	0.0000	-0.0078	3.751835
21 Sep 23	74.666	91.802	112.191	157.388	153.363	117.882	117.882	7.1613	**4.9830**	0.0000	-2.1783	7.1613315
22 Sep 23	85.697	104.024	108.302	95.468	91.190	96.936	96.936	5.8889	**7.6110**	1.7221	0.0000	7.611
23 Sep 23	82.024	77.024	72.746	85.580	88.691	81.213	81.213	4.9337	**5.2790**	0.3453	0.0000	5.279

24 Sep 23	102.691	119.580	114.913	105.092	93.085	107.072	107.072	6.5046	**6.2350**	0.0000	-0.2696	6.5046362
25 Sep 23	70.524	64.845	65.845	64.845	60.567	65.325	65.325	3.9685	**3.8820**	0.0000	-0.0865	3.9685059
26 Sep 23	71.456	70.024	70.024	66.524	61.395	67.885	67.885	4.1240	**4.1230**	0.0000	-0.0010	4.1239895
27 Sep 23	69.122	64.844	62.122	66.789	62.122	65.000	65.000	3.9487	**4.3190**	0.3703	0.0000	4.319
28 Sep 23	56.000	52.789	57.456	53.567	61.653	56.293	56.293	3.4198	**3.5650**	0.1452	0.0000	3.565
29 Sep 23	55.611	48.921	52.789	52.789	24.246	46.871	46.871	2.8474	**3.2380**	0.3906	0.0000	3.238
30 Sep 23	42.777	46.666	48.122	52.789	46.039	47.279	47.279	2.8722	**3.0510**	0.1788	0.0000	3.051
1 Oct 23	60.666	48.794	53.567	53.567	56.580	54.635	54.635	3.3191	**3.2790**	0.0000	-0.0401	3.3190641
2 Oct 23	44.332	47.794	48.122	48.122	49.580	47.590	47.590	2.8911	**3.0370**	0.1459	0.0000	3.037
3 Oct 23	60.666	51.333	53.567	58.626	56.580	56.154	56.154	3.4114	**3.0470**	0.0000	-0.3644	3.4113798
4 Oct 23	66.789	71.456	86.746	95.662	82.586	80.648	80.648	4.8994	**5.0760**	0.1766	0.0000	5.076
5 Oct 23	107.085	96.147	96.505	86.233	83.900	93.974	93.974	5.7089	**6.0120**	0.3031	0.0000	6.012
6 Oct 23	95.468	91.191	88.540	89.407	84.625	89.846	89.846	5.4582	**5.8910**	0.4328	0.0000	5.891
7 Oct 23	81.302	79.358	79.358	72.691	72.913	77.124	77.124	4.6853	**4.8390**	0.1537	0.0000	4.839
8 Oct 23	105.580	100.913	110.246	152.246	158.419	125.481	125.481	7.6230	**6.5610**	0.0000	-1.0620	7.6229586
9 Oct 23	145.537	133.141	121.086	121.086	118.753	127.921	127.921	7.7712	**9.3590**	1.5878	0.0000	9.359
10 Oct 23	102.246	102.246	111.900	118.122	117.810	110.465	110.465	6.7107	**6.0420**	0.0000	-0.6687	6.7107366
11 Oct 23	89.883	86.913	86.233	81.956	82.876	85.572	85.572	5.1985	**5.7350**	0.5365	0.0000	5.735
12 Oct 23	73.400	69.122	70.289	65.019	66.419	68.850	68.850	4.1826	**4.0180**	0.0000	-0.1646	4.1826254
13 Oct 23	62.122	62.122	68.246	68.247	66.156	65.379	65.379	3.9717	**4.0580**	0.0863	0.0000	4.058
14 Oct 23	66.790	57.456	62.789	53.917	63.580	60.906	60.906	3.7001	**3.7430**	0.0429	0.0000	3.743
15 Oct 23	60.666	57.456	62.122	61.480	63.580	61.061	61.061	3.7094	**3.7120**	0.0026	0.0000	3.712
16 Oct 23	56.000	62.122	57.456	57.456	58.913	58.389	58.389	3.5472	**3.3980**	0.0000	-0.1492	3.5471561
17 Oct 23	47.055	52.790	52.790	52.790	51.020	51.289	51.289	3.1158	**3.0750**	0.0000	-0.0408	3.1158068
18 Oct 23	39.666	52.790	48.123	48.123	48.123	47.365	47.365	2.8774	**3.0400**	0.1626	0.0000	3.04
19 Oct 23	47.055	48.444	52.789	43.456	43.456	47.040	47.040	2.8577	**2.9910**	0.1333	0.0000	2.991
20 Oct 23	51.333	51.333	48.122	48.123	51.020	49.986	49.986	3.0367	**2.8750**	0.0000	-0.1617	3.0366617
21 Oct 23	47.055	42.000	42.000	43.456	47.481	44.398	44.398	2.6972	**2.5300**	0.0000	-0.1672	2.6972028
22 Oct 23	34.222	37.333	48.122	43.456	46.032	41.833	41.833	2.5414	**2.8310**	0.2896	0.0000	2.831
23 Oct 23	51.333	46.277	37.333	43.456	37.663	43.212	43.212	2.6252	**2.5020**	0.0000	-0.1232	2.6251533
24 Oct 23	34.222	40.833	37.333	43.456	43.136	39.796	39.796	2.4176	**2.5090**	0.0914	0.0000	2.509
25 Oct 23	38.500	38.500	37.333	32.667	43.135	38.027	38.027	2.3101	**2.2020**	0.0000	-0.1081	2.3101403
26 Oct 23	34.222	32.666	32.666	37.333	46.354	36.648	36.648	2.2264	**2.3000**	0.0736	0.0000	2.3
27 Oct 23	34.222	37.333	37.333	32.666	38.469	36.005	36.005	2.1873	**2.3210**	0.1337	0.0000	2.321
28 Oct 23	42.777	42.000	37.333	37.333	38.790	39.647	39.647	2.4085	**2.2690**	0.0000	-0.1395	2.408531
29 Oct 23	34.222	37.333	32.666	32.666	43.135	36.004	36.004	2.1873	**2.2600**	0.0727	0.0000	2.26
30 Oct 23	38.500	34.999	32.666	32.666	35.249	34.816	34.816	2.1151	**2.2590**	0.1439	0.0000	2.259

31 Oct 23	34.222	34.222	37.333	28.000	37.094	34.174	34.174	2.0761	**2.1310**	0.0549	0.0000	2.131
1 Nov 23	34.222	34.222	32.667	28.000	38.789	33.580	33.580	2.0400	**1.9320**	0.0000	-0.1080	2.039985
2 Nov 23	29.944	29.944	32.666	32.666	35.892	32.222	32.222	1.9575	**1.8480**	0.0000	-0.1095	1.9575108
3 Nov 23	34.222	32.667	32.667	28.000	33.958	32.303	32.303	1.9624	**1.6960**	0.0000	-0.2664	1.9623951
4 Nov 23	32.666	32.666	28.000	30.333	34.794	31.692	31.692	1.9253	**2.0020**	0.0767	0.0000	2.002
5 Nov 23	32.666	32.666	28.000	35.388	42.804	34.305	34.305	2.0840	**2.1370**	0.0530	0.0000	2.137
6 Nov 23	37.333	32.666	32.666	33.345	33.489	33.900	33.900	2.0594	**2.2650**	0.2056	0.0000	2.265
7 Nov 23	29.944	37.333	28.000	32.666	45.234	34.635	34.635	2.1041	**1.8330**	0.0000	-0.2711	2.1041006
8 Nov 23	29.944	28.000	28.000	28.000	35.242	29.837	29.837	1.8126	**1.7120**	0.0000	-0.1006	1.8126099
9 Nov 23	28.000	28.000	28.000	30.333	34.141	29.695	29.695	1.8040	**1.7210**	0.0000	-0.0830	1.8039591
10 Nov 23	32.666	28.000	28.000	25.277	43.542	31.497	31.497	1.9134	**1.7110**	0.0000	-0.2024	1.9134428
11 Nov 23	28.000	28.000	25.277	30.333	37.303	29.783	29.783	1.8093	**1.8730**	0.0637	0.0000	1.873
12 Nov 23	32.666	28.000	23.333	25.277	34.141	28.683	28.683	1.7425	**1.8620**	0.1195	0.0000	1.862
13 Nov 23	30.721	28.000	28.000	23.333	41.141	30.239	30.239	1.8370	**1.8330**	0.0000	-0.0040	1.8370193
14 Nov 23	25.666	28.000	28.000	28.000	0.000	21.933	21.933	1.3324	**1.7210**	0.3886	0.0000	1.721
15 Nov 23	25.667	28.000	28.000	23.333	30.748	27.150	27.150	1.6493	**1.7010**	0.0517	0.0000	1.701
16 Nov 23	29.944	25.666	23.333	28.000	36.222	28.633	28.633	1.7395	**1.6990**	0.0000	-0.0405	1.7394548
17 Nov 23	29.944	25.666	23.333	28.000	29.300	27.249	27.249	1.6554	**1.5450**	0.0000	-0.1104	1.6553525
18 Nov 23	25.666	25.666	32.667	28.000	28.000	28.000	28.000	1.7010	**1.5140**	0.0000	-0.1870	1.7009879
19 Nov 23	21.388	28.000	23.333	23.333	26.016	24.414	24.414	1.4832	**1.7030**	0.2198	0.0000	1.703
20 Nov 23	25.666	28.000	28.000	23.333	27.843	26.568	26.568	1.6140	**1.7150**	0.1010	0.0000	1.715
21 Nov 23	25.666	25.666	28.000	23.333	26.230	25.779	25.779	1.5661	**1.5250**	0.0000	-0.0411	1.5660743
22 Nov 23	25.666	22.944	28.000	28.000	19.794	24.881	24.881	1.5115	**1.5290**	0.0175	0.0000	1.529
23 Nov 23	25.667	28.000	23.333	28.000	24.888	25.978	25.978	1.5781	**1.4720**	0.0000	-0.1061	1.5781392
24 Nov 23	18.666	28.000	23.333	18.666	22.437	22.220	22.220	1.3499	**1.4950**	0.1451	0.0000	1.495
25 Nov 23	32.666	23.333	23.333	23.333	28.971	26.327	26.327	1.5994	**1.5130**	0.0000	-0.0864	1.5993774
26 Nov 23	28.000	28.000	23.333	23.333	25.334	25.600	25.600	1.5552	**1.5110**	0.0000	-0.0442	1.5552
27 Nov 23	28.000	23.333	23.333	23.333	27.703	25.140	25.140	1.5273	**1.5380**	0.0107	0.0000	1.538
28 Nov 23	23.333	23.333	23.333	23.333	27.843	24.235	24.235	1.4723	**1.5180**	0.0457	0.0000	1.518
29 Nov 23	21.388	23.333	18.666	23.333	26.082	22.560	22.560	1.3705	**1.5250**	0.1545	0.0000	1.525
30 Nov 23	21.388	21.388	23.333	23.333	25.917	23.072	23.072	1.4016	**1.4670**	0.0654	0.0000	1.467
1 Dec 23	21.388	25.666	21.388	18.666	24.469	22.315	22.315	1.3557	**1.4740**	0.1183	0.0000	1.474
2 Dec 23	21.388	21.388	21.388	22.166	24.469	22.160	22.160	1.3462	**1.3370**	0.0000	-0.0092	1.3462079
3 Dec 23	21.388	21.388	21.388	18.666	27.209	22.008	22.008	1.3370	**1.2280**	0.0000	-0.1090	1.3369739
4 Dec 23	21.388	21.388	17.111	23.333	29.300	22.504	22.504	1.3671	**1.2050**	0.0000	-0.1621	1.367118
5 Dec 23	21.388	21.388	23.333	18.667	29.298	22.815	22.815	1.3860	**1.2070**	0.0000	-0.1790	1.3859991
6 Dec 23	17.111	23.333	23.333	23.333	30.090	23.440	23.440	1.4240	**1.3660**	0.0000	-0.0580	1.42398

7 Dec 23	17.111	22.555	18.666	23.333	30.427	22.418	22.418	1.3619	**1.2270**	0.0000	-0.1349	1.3619178
8 Dec 23	21.388	18.666	18.666	23.333	32.196	22.850	22.850	1.3881	**1.3290**	0.0000	-0.0591	1.3881254
9 Dec 23	23.333	23.333	23.333	23.333	41.209	26.908	26.908	1.6347	**1.4530**	0.0000	-0.1817	1.6346732
10 Dec 23	21.778	23.333	18.666	18.666	30.427	22.574	22.574	1.3714	**1.2320**	0.0000	-0.1394	1.3713705
11 Dec 23	28.000	28.000	24.888	25.277	25.277	26.288	26.288	1.5970	**1.4790**	0.0000	-0.1180	1.5970203
12 Dec 23	23.333	18.667	25.278	25.277	29.084	24.328	24.328	1.4779	**1.5410**	0.0631	0.0000	1.541
13 Dec 23	23.333	23.333	18.667	18.667	26.927	22.185	22.185	1.3478	**1.5500**	0.2022	0.0000	1.55
14 Dec 23	21.388	23.333	23.333	18.666	25.917	22.527	22.527	1.3685	**1.2220**	0.0000	-0.1465	1.3685396
15 Dec 23	18.667	23.333	18.666	18.666	30.748	22.016	22.016	1.3375	**1.2920**	0.0000	-0.0455	1.337472
16 Dec 23	17.111	18.666	18.666	23.333	30.427	21.641	21.641	1.3147	**1.2150**	0.0000	-0.0997	1.3146665
17 Dec 23	26.444	18.666	18.666	18.666	29.300	22.348	22.348	1.3577	**1.2080**	0.0000	-0.1497	1.3576653
18 Dec 23	22.556	23.333	18.667	18.666	27.210	22.086	22.086	1.3417	**1.2010**	0.0000	-0.1407	1.3417488
19 Dec 23	18.667	18.667	18.667	18.666	25.760	20.085	20.085	1.2202	**1.2110**	0.0000	-0.0092	1.2201881
20 Dec 23	23.333	23.333	18.667	18.667	26.724	22.145	22.145	1.3453	**1.1890**	0.0000	-0.1563	1.3452966
21 Dec 23	18.666	18.667	18.667	18.667	23.991	19.732	19.732	1.1987	**1.2130**	0.0143	0.0000	1.213
22 Dec 23	17.111	18.666	18.666	18.667	26.889	20.000	20.000	1.2150	**1.2230**	0.0080	0.0000	1.223
23 Dec 23	21.388	18.666	18.666	18.667	21.093	19.696	19.696	1.1965	**1.2190**	0.0225	0.0000	1.219
24 Dec 23	17.111	17.111	18.666	18.666	25.440	19.399	19.399	1.1785	**1.2100**	0.0315	0.0000	1.21
25 Dec 23	17.111	17.111	18.666	18.666	19.967	18.304	18.304	1.1120	**1.2060**	0.0940	0.0000	1.206
26 Dec 23	17.111	17.111	17.111	18.666	25.761	19.152	19.152	1.1635	**1.2080**	0.0445	0.0000	1.208
27 Dec 23	17.111	17.111	17.111	17.111	29.650	19.619	19.619	1.1918	**1.2170**	0.0252	0.0000	1.217
28 Dec 23	15.277	17.111	17.111	17.111	23.855	18.093	18.093	1.0991	**1.0820**	0.0000	-0.0171	1.0991498
29 Dec 23	21.388	21.388	17.111	17.111	22.474	19.894	19.894	1.2086	**1.0840**	0.0000	-0.1246	1.2085848
30 Dec 23	21.388	17.111	17.111	17.111	25.767	19.698	19.698	1.1966	**1.0890**	0.0000	-0.1076	1.1966292
31 Dec 23	17.111	17.111	17.111	17.111	13.512	16.391	16.391	0.9958	**1.0600**	0.0642	0.0000	1.06
1 Jan 24	17.111	17.111	17.111	17.111	20.638	17.816	17.816	1.0823	**1.0850**	0.0027	0.0000	1.085
2 Jan 24	17.111	17.111	17.111	17.111	24.055	18.500	18.500	1.1239	**1.2280**	0.1041	0.0000	1.228
3 Jan 24	15.778	17.111	17.111	17.111	24.321	18.286	18.286	1.1109	**1.0910**	0.0000	-0.0199	1.1108988
4 Jan 24	17.111	17.111	17.111	17.111	23.924	18.474	18.474	1.1223	**1.1030**	0.0000	-0.0193	1.1222712
5 Jan 24	17.111	17.111	17.111	21.388	26.752	19.895	19.895	1.2086	**1.0810**	0.0000	-0.1276	1.208597
6 Jan 24	17.111	17.111	12.833	17.111	20.890	17.011	17.011	1.0334	**1.0680**	0.0346	0.0000	1.068
7 Jan 24	17.111	17.111	17.111	12.833	19.577	16.749	16.749	1.0175	**1.1010**	0.0835	0.0000	1.101
8 Jan 24	17.111	17.111	17.111	17.111	22.475	18.184	18.184	1.1047	**1.0720**	0.0000	-0.0327	1.1046659
9 Jan 24	17.111	17.111	17.111	17.111	21.559	18.001	18.001	1.0935	**0.9970**	0.0000	-0.0965	1.0935365
10 Jan 24	17.111	17.111	17.111	12.833	17.586	16.350	16.350	0.9933	**0.8300**	0.0000	-0.1633	0.9932868
11 Jan 24	12.833	17.111	17.111	18.666	18.189	16.782	16.782	1.0195	**0.8290**	0.0000	-0.1905	1.0195065
12 Jan 24	17.111	18.667	14.000	14.000	19.959	16.747	16.747	1.0174	**1.0300**	0.0126	0.0000	1.03

13 Jan 24	12.833	17.111	18.667	14.000	18.509	16.224	16.224	0.9856	1.0030	0.0174	0.0000	1.003
14 Jan 24	17.111	17.111	14.000	14.000	19.958	16.436	16.436	0.9985	1.0130	0.0145	0.0000	1.013
15 Jan 24	12.833	17.111	13.611	14.000	18.509	15.213	15.213	0.9242	0.9980	0.0738	0.0000	0.998
16 Jan 24	12.833	12.833	17.111	14.000	18.509	15.057	15.057	0.9147	1.0300	0.1153	0.0000	1.03
17 Jan 24	17.111	17.111	12.833	18.277	21.407	17.348	17.348	1.0539	1.0160	0.0000	-0.0379	1.0538789
18 Jan 24	12.833	17.111	12.833	18.666	21.407	16.570	16.570	1.0066	0.8390	0.0000	-0.1676	1.0066275
19 Jan 24	17.111	18.666	18.666	18.666	19.959	18.614	18.614	1.1308	0.8460	0.0000	-0.2848	1.1307762
20 Jan 24	18.666	18.666	18.666	14.000	21.161	18.232	18.232	1.1076	1.0890	0.0000	-0.0186	1.1075819
21 Jan 24	18.666	14.000	14.000	14.000	18.510	15.835	15.835	0.9620	1.0940	0.1320	0.0000	1.094
22 Jan 24	14.000	18.666	18.666	14.000	24.625	17.991	17.991	1.0930	1.0860	0.0000	-0.0070	1.0929776
23 Jan 24	18.666	14.000	14.000	18.666	21.407	17.348	17.348	1.0539	1.0940	0.0401	0.0000	1.094
24 Jan 24	12.833	14.000	18.666	14.000	17.061	15.312	15.312	0.9302	0.8410	0.0000	-0.0892	0.930204
25 Jan 24	14.000	18.000	18.666	14.000	19.958	16.925	16.925	1.0282	1.0300	0.0018	0.0000	1.03
26 Jan 24	14.000	18.666	9.333	9.333	17.061	13.679	13.679	0.8310	1.0890	0.2580	0.0000	1.089
27 Jan 24	12.833	14.000	14.000	14.000	22.856	15.538	15.538	0.9439	1.0060	0.0621	0.0000	1.006
28 Jan 24	17.111	17.888	14.000	18.666	19.959	17.525	17.525	1.0646	1.0110	0.0000	-0.0536	1.0646316
29 Jan 24	17.111	17.111	14.000	14.000	19.958	16.436	16.436	0.9985	0.9920	0.0000	-0.0065	0.998487
30 Jan 24	17.111	12.833	14.000	14.000	18.510	15.291	15.291	0.9289	1.0970	0.1681	0.0000	1.097
31 Jan 24	17.111	17.111	12.833	13.610	18.667	15.866	15.866	0.9639	1.0110	0.0471	0.0000	1.011
1 Feb 24	21.388	17.111	18.277	18.666	21.407	19.370	19.370	1.1767	1.0470	0.0000	-0.1297	1.1767154
2 Feb 24	21.388	18.666	18.666	18.666	24.304	20.338	20.338	1.2355	1.1570	0.0000	-0.0785	1.2355335
3 Feb 24	28.000	23.333	23.333	23.333	27.298	25.059	25.059	1.5224	1.6280	0.1056	0.0000	1.628
4 Feb 24	17.111	17.111	23.333	18.666	18.666	18.977	18.977	1.1529	1.0570	0.0000	-0.0959	1.1528771
5 Feb 24	17.111	18.667	14.000	14.000	21.728	17.101	17.101	1.0389	1.1010	0.0621	0.0000	1.101
6 Feb 24	23.333	28.000	32.667	28.000	0.000	22.400	22.400	1.3608	1.9660	0.6052	0.0000	1.966
7 Feb 24	28.123	26.833	23.445	25.667	21.389	25.091	25.091	1.5243	1.8760	0.3517	0.0000	1.876
8 Feb 24	21.388	26.444	23.333	28.000	29.456	25.724	25.724	1.5627	1.1330	0.0000	-0.4297	1.5627452
9 Feb 24	23.333	23.333	18.666	25.277	26.842	23.490	23.490	1.4270	1.4730	0.0460	0.0000	1.473
10 Feb 24	18.666	18.666	18.666	20.222	19.512	19.146	19.146	1.1631	1.8180	0.6549	0.0000	1.818
11 Feb 24	21.388	17.111	18.666	14.000	20.883	18.410	18.410	1.1184	1.2480	0.1296	0.0000	1.248
12 Feb 24	17.111	17.111	17.111	18.666	17.265	17.453	17.453	1.0603	1.1150	0.0547	0.0000	1.115
13 Feb 24	17.111	17.111	18.666	18.666	18.700	18.051	18.051	1.0966	1.1160	0.0194	0.0000	1.116
14 Feb 24	17.111	12.833	14.000	14.000	16.897	14.968	14.968	0.9093	1.0030	0.0937	0.0000	1.003
15 Feb 24	17.111	18.666	14.000	18.666	16.897	17.068	17.068	1.0369	0.9900	0.0000	-0.0469	1.036881
16 Feb 24	17.111	18.666	14.000	14.000	18.666	16.489	16.489	1.0017	1.0960	0.0943	0.0000	1.096
17 Feb 24	17.111	18.666	14.000	14.000	18.666	16.489	16.489	1.0017	1.0240	0.0223	0.0000	1.024
18 Feb 24	17.111	18.666	18.666	18.666	18.666	18.355	18.355	1.1151	1.0820	0.0000	-0.0331	1.1150663

19 Feb 24	18.666	18.666	18.666	18.666	14.000	17.733	17.733	1.0773	**1.2500**	0.1727	0.0000	1.25
20 Feb 24	18.666	14.000	14.000	18.666	18.666	16.800	16.800	1.0206	**1.3710**	0.3504	0.0000	1.371
21 Feb 24	17.111	17.111	18.667	18.666	18.666	18.044	18.044	1.0962	**1.0200**	0.0000	-0.0762	1.0961852
22 Feb 24	18.666	23.333	18.666	18.666	19.055	19.677	19.677	1.1954	**1.3140**	0.1186	0.0000	1.314
23 Feb 24	28.000	37.333	32.666	35.388	30.333	32.744	32.744	1.9892	**1.9730**	0.0000	-0.0162	1.989198
24 Feb 24	21.388	18.666	30.000	18.666	18.666	21.477	21.477	1.3047	**1.1310**	0.0000	-0.1737	1.3047399
25 Feb 24	18.667	18.666	18.666	18.666	18.666	18.666	18.666	1.1340	**1.2930**	0.1590	0.0000	1.293
26 Feb 24	17.111	17.111	18.666	18.666	14.000	17.111	17.111	1.0395	**1.0960**	0.0565	0.0000	1.096
27 Feb 24	17.111	17.111	18.666	18.666	18.666	18.044	18.044	1.0962	**1.1330**	0.0368	0.0000	1.133
28 Feb 24	17.111	17.111	12.833	18.666	18.666	16.877	16.877	1.0253	**1.0570**	0.0317	0.0000	1.057
29 Feb 24	21.388	17.111	17.111	23.333	23.333	20.455	20.455	1.2427	**1.0460**	0.0000	-0.1967	1.2426534
1 Mar 24	17.111	18.666	23.333	23.333	18.666	20.222	20.222	1.2285	**1.0400**	0.0000	-0.1885	1.2284744
2 Mar 24	18.666	23.333	23.333	25.278	25.278	23.178	23.178	1.4080	**1.1610**	0.0000	-0.2470	1.4080392
3 Mar 24	18.666	18.666	20.222	20.222	18.008	19.157	19.157	1.1638	**1.5970**	0.4332	0.0000	1.597
4 Mar 24	17.889	18.666	32.666	42.000	42.444	30.733	30.733	1.8670	**1.8350**	0.0000	-0.0320	1.8670298
5 Mar 24	42.000	30.333	33.344	40.246	35.580	36.301	36.301	2.2053	**3.0940**	0.8887	0.0000	3.094
6 Mar 24	43.448	20.359	20.812	25.249	29.333	27.840	27.840	1.6913	**0.0000**	0.0000	-1.6913	1.6912922
7 Mar 24	20.583	20.167	25.667	23.333	21.333	22.217	22.217	1.3497	**0.0000**	0.0000	-1.3497	1.3496585
8 Mar 24	21.000	26.833	19.167	19.667	19.667	21.267	21.267	1.2920	**0.0000**	0.0000	-1.2920	1.2919581
9 Mar 24	17.111	14.000	18.666	18.666	0.000	13.689	13.689	0.8316	**0.0000**	0.0000	-0.8316	0.8315825
10 Mar 24	15.166	15.166	15.166	23.233	23.233	18.393	18.393	1.1174	**1.8920**	0.7746	0.0000	1.892
11 Mar 24	18.666	18.666	18.666	20.222	15.166	18.277	18.277	1.1103	**1.2230**	0.1127	0.0000	1.223
12 Mar 24	18.667	18.667	14.000	18.667	20.222	18.045	18.045	1.0962	**1.2220**	0.1258	0.0000	1.222
13 Mar 24	18.667	18.666	18.666	23.333	31.456	22.158	22.158	1.3461	**1.6710**	0.3249	0.0000	1.671
14 Mar 24	28.000	28.000	65.722	68.734	62.271	50.545	50.545	3.0706	**3.0910**	0.0204	0.0000	3.091
15 Mar 24	37.333	46.667	40.444	43.456	33.344	40.249	40.249	2.4451	**2.2460**	0.0000	-0.1991	2.4451146
16 Mar 24	23.333	28.000	23.333	23.333	20.279	23.656	23.656	1.4371	**1.2180**	0.0000	-0.2191	1.4370777
17 Mar 24	23.333	23.333	18.666	20.222	25.278	22.166	22.166	1.3466	**1.3800**	0.0334	0.0000	1.38
18 Mar 24	23.333	23.333	23.333	23.333	25.278	23.722	23.722	1.4411	**1.3690**	0.0000	-0.0721	1.4411115
19 Mar 24	18.666	18.666	18.666	18.666	20.222	18.977	18.977	1.1529	**1.2950**	0.1421	0.0000	1.295
20 Mar 24	18.667	18.667	14.000	14.000	18.667	16.800	16.800	1.0206	**1.2150**	0.1944	0.0000	1.215
21 Mar 24	23.333	32.333	32.666	35.388	30.333	30.811	30.811	1.8717	**1.6820**	0.0000	-0.1897	1.871744
22 Mar 24	32.667	121.333	125.913	117.974	107.863	101.150	101.150	6.1449	**4.7590**	0.0000	-1.3859	6.1448625
23 Mar 24	68.469	59.913	52.011	46.666	48.123	55.036	55.036	3.3435	**3.3900**	0.0465	0.0000	3.39
24 Mar 24	37.333	37.333	48.615	43.456	41.413	41.630	41.630	2.5290	**2.2710**	0.0000	-0.2580	2.5290225
25 Mar 24	37.333	30.333	33.344	33.344	36.058	34.082	34.082	2.0705	**2.5460**	0.4755	0.0000	2.546
26 Mar 24	32.666	42.000	52.790	63.678	86.913	55.609	55.609	3.3783	**3.4350**	0.0567	0.0000	3.435

27 Mar 24	85.604	69.802	64.518	51.333	42.000	62.651	62.651	3.8061	**4.4680**	0.6619	0.0000	4.468
28 Mar 24	32.667	32.666	30.333	31.074	38.401	33.028	33.028	2.0065	**2.0170**	0.0105	0.0000	2.017
29 Mar 24	32.667	28.000	23.333	30.333	28.290	28.525	28.525	1.7329	**1.7080**	0.0000	-0.0249	1.7328695
30 Mar 24	28.000	42.000	34.222	38.401	38.401	36.205	36.205	2.1994	**2.2380**	0.0386	0.0000	2.238
31 Mar 24	25.666	28.000	28.000	24.460	35.580	28.341	28.341	1.7217	**2.2890**	0.5673	0.0000	2.289
Total						**54.4161**	**52.2797**	**1162.4123**	**1177.3750**	**62.4537**	**-47.4910**	**1224.866**

PLHPS-Inflow , Actual Gen Max possible Gen

PLHPS 2021-22

Date	07:00 Hrs	10:00 Hrs	12:30 Hrs	15:00 Hrs	17:00 hrs	Avg Inflow	Usefull Inflow	Possible Gen as per Inflow (MU)	Actual Gen (MU)	Excess Gen (MU)	Short Gen (MU)	Max of maximum gen and Actual Gen
1 Apr 21	13.805	25.539	21.694	22.805	27.208	22.210	22.210	1.3493	**1.4270**	0.0777	0.0000	1.427
2 Apr 21	23.666	21.694	17.750	21.694	19.000	20.761	20.761	1.2612	**1.2300**	0.0000	-0.0312	1.26122
3 Apr 21	17.750	15.777	15.778	11.833	15.778	15.383	15.383	0.9345	**1.2190**	0.2845	0.0000	1.219
4 Apr 21	17.500	14.000	13.805	13.805	15.777	14.977	14.977	0.9099	**1.0340**	0.1241	0.0000	1.034
5 Apr 21	15.750	14.000	13.800	15.777	13.805	14.626	14.626	0.8886	**0.8470**	0.0000	-0.0416	0.88855
6 Apr 21	18.444	15.777	13.805	13.805	15.777	15.522	15.522	0.9429	**0.9960**	0.0531	0.0000	0.996
7 Apr 21	14.000	13.583	13.805	13.800	13.800	13.798	13.798	0.8382	**0.9870**	0.1488	0.0000	0.987
8 Apr 21	14.000	14.000	15.778	13.805	13.805	14.278	14.278	0.8674	**1.0240**	0.1566	0.0000	1.024
9 Apr 21	19.250	25.361	23.667	23.666	23.666	23.122	23.122	1.4047	**1.0700**	0.0000	-0.3347	1.40466
10 Apr 21	25.630	23.222	19.000	19.000	19.000	21.170	21.170	1.2861	**1.0400**	0.0000	-0.2461	1.2861
11 Apr 21	16.889	16.889	14.778	14.778	16.139	15.895	15.895	0.9656	**1.2350**	0.2694	0.0000	1.235
12 Apr 21	16.888	14.777	12.666	12.667	14.778	14.355	14.355	0.8721	**1.0330**	0.1609	0.0000	1.033
13 Apr 21	14.778	16.888	12.667	12.667	12.667	13.933	13.933	0.8465	**0.9840**	0.1375	0.0000	0.984
14 Apr 21	16.889	16.889	40.111	99.130	100.657	54.735	54.735	3.3252	**3.1360**	0.0000	-0.1892	3.32516
15 Apr 21	43.453	35.500	29.583	29.550	25.333	32.684	32.684	1.9855	**2.3370**	0.3515	0.0000	2.337
16 Apr 21	21.694	19.722	21.111	19.000	16.889	19.683	19.683	1.1958	**1.0400**	0.0000	-0.1558	1.19575
17 Apr 21	29.555	40.111	41.500	37.346	42.831	38.269	38.269	2.3248	**2.1480**	0.0000	-0.1768	2.32482
18 Apr 21	27.444	27.444	27.667	23.056	36.793	28.481	28.481	1.7302	**2.2150**	0.4848	0.0000	2.215
19 Apr 21	23.667	25.638	35.889	33.778	28.804	29.555	29.555	1.7955	**1.6130**	0.0000	-0.1825	1.79548
20 Apr 21	24.776	21.111	23.220	19.000	27.399	23.101	23.101	1.4034	**1.7460**	0.3426	0.0000	1.746
21 Apr 21	54.889	46.111	47.670	49.105	46.802	48.915	48.915	2.9716	**2.9400**	0.0000	-0.0316	2.97161
22 Apr 21	25.639	23.667	26.611	27.444	29.555	26.583	26.583	1.6149	**1.3220**	0.0000	-0.2929	1.61493
23 Apr 21	21.694	18.860	19.000	16.888	16.888	18.666	18.666	1.1340	**1.1810**	0.0470	0.0000	1.181
24 Apr 21	17.750	16.889	16.889	14.778	16.889	16.639	16.639	1.0108	**1.2470**	0.2362	0.0000	1.247
25 Apr 21	13.800	15.778	15.778	12.666	14.778	14.560	14.560	0.8845	**1.1720**	0.2875	0.0000	1.172
26 Apr 21	17.750	13.805	13.806	13.806	19.722	15.778	15.778	0.9585	**1.1040**	0.1455	0.0000	1.104
27 Apr 21	48.999	38.000	32.278	27.667	23.636	34.116	34.116	2.0725	**1.9710**	0.0000	-0.1015	2.07255

28 Apr 21	21.111	21.111	19.000	21.111	23.056	21.078	21.078	1.2805	**1.5890**	0.3085	0.0000	1.589
29 Apr 21	26.611	25.333	29.555	32.278	32.278	29.211	29.211	1.7746	**1.7660**	0.0000	-0.0086	1.77457
30 Apr 21	23.222	21.111	19.000	21.111	16.130	20.115	20.115	1.2220	**1.2820**	0.0600	0.0000	1.282
1 May 21	21.111	19.000	19.000	21.111	20.750	20.194	20.194	1.2268	**1.4730**	0.2462	0.0000	1.473
2 May 21	21.694	19.000	19.000	19.000	21.111	19.961	19.961	1.2126	**1.2130**	0.0004	0.0000	1.213
3 May 21	19.722	19.000	19.000	19.000	16.889	18.722	18.722	1.1374	**1.2150**	0.0776	0.0000	1.215
4 May 21	17.750	16.888	21.111	16.889	19.000	18.328	18.328	1.1134	**1.2350**	0.1216	0.0000	1.235
5 May 21	16.888	19.000	19.000	21.111	25.361	20.272	20.272	1.2315	**1.2240**	0.0000	-0.0075	1.23152
6 May 21	56.436	52.680	48.068	39.500	45.412	48.419	48.419	2.9415	**3.6910**	0.7495	0.0000	3.691
7 May 21	33.528	37.470	33.777	29.556	29.556	32.777	32.777	1.9912	**1.2690**	0.0000	-0.7222	1.99123
8 May 21	25.333	27.444	41.861	50.722	64.450	41.962	41.962	2.5492	**2.9310**	0.3818	0.0000	2.931
9 May 21	47.333	42.222	36.083	36.888	43.200	41.145	41.145	2.4996	**2.2560**	0.0000	-0.2436	2.49957
10 May 21	29.556	27.444	27.444	34.583	34.317	30.669	30.669	1.8631	**2.0030**	0.1399	0.0000	2.003
11 May 21	53.876	59.595	87.262	119.624	85.448	81.161	81.161	4.9305	**4.7720**	0.0000	-0.1585	4.93053
12 May 21	65.444	68.789	64.567	60.210	60.978	63.998	63.998	3.8879	**3.8700**	0.0000	-0.0179	3.88785
13 May 21	66.139	66.543	62.320	58.099	40.760	58.772	58.772	3.5704	**3.3310**	0.0000	-0.2394	3.57041
14 May 21	47.333	71.777	78.039	73.080	69.114	67.869	67.869	4.1230	**3.7250**	0.0000	-0.3980	4.12302
15 May 21	47.400	45.428	53.916	48.556	81.280	55.316	55.316	3.3604	**3.7550**	0.3946	0.0000	3.755
16 May 21	59.234	71.067	76.983	75.122	70.900	70.661	70.661	4.2927	**3.8880**	0.0000	-0.4047	4.29267
17 May 21	62.456	56.122	50.722	55.900	55.818	56.204	56.204	3.4144	**3.6660**	0.2516	0.0000	3.666
18 May 21	53.250	52.778	62.111	61.570	68.469	59.636	59.636	3.6229	**3.1540**	0.0000	-0.4689	3.62286
19 May 21	126.273	116.885	107.262	107.315	100.398	111.627	111.627	6.7813	**6.5500**	0.0000	-0.2313	6.78132
20 May 21	168.702	184.183	172.252	197.614	169.947	178.540	160.000	9.7200	**8.3240**	0.0000	-1.3960	9.72
21 May 21	123.222	100.787	81.046	80.914	86.914	94.577	94.577	5.7455	**7.1820**	1.4365	0.0000	7.182
22 May 21	109.520	115.515	116.549	116.537	90.863	109.797	109.797	6.6702	**5.8940**	0.0000	-0.7762	6.67016
23 May 21	52.432	54.051	51.277	52.778	63.197	54.747	54.747	3.3259	**3.2970**	0.0000	-0.0289	3.32588
24 May 21	49.379	45.428	42.222	40.111	41.150	43.658	43.658	2.6522	**2.5680**	0.0000	-0.0842	2.65222
25 May 21	45.567	54.824	44.333	53.805	58.916	51.489	51.489	3.1280	**3.1620**	0.0340	0.0000	3.162
26 May 21	68.789	65.191	60.580	65.704	50.148	62.082	62.082	3.7715	**4.1630**	0.3915	0.0000	4.163
27 May 21	76.400	290.150	361.750	361.750	321.400	282.290	160.000	9.7200	**6.0270**	0.0000	-3.6930	9.72
28 May 21	103.085	94.482	105.083	86.913	84.517	94.816	94.816	5.7601	**8.0220**	2.2619	0.0000	8.022
29 May 21	64.064	60.344	56.122	54.401	65.981	60.182	60.182	3.6561	**3.5790**	0.0000	-0.0771	3.65608
30 May 21	52.577	46.444	42.222	50.372	53.269	48.977	48.977	2.9753	**3.0650**	0.0897	0.0000	3.065
31 May 21	49.373	48.416	63.333	74.877	75.037	62.207	62.207	3.7791	**3.9020**	0.1229	0.0000	3.902
1 Jun 21	68.789	64.567	58.234	58.233	55.521	61.069	61.069	3.7099	**3.8910**	0.1811	0.0000	3.891
2 Jun 21	89.900	113.213	103.765	92.815	58.916	91.722	91.722	5.5721	**5.8700**	0.2979	0.0000	5.87
3 Jun 21	76.706	75.123	65.677	61.222	68.716	69.489	69.489	4.2214	**3.8140**	0.0000	-0.4074	4.22144

4 Jun 21	63.178	63.333	64.225	96.483	113.670	80.178	80.178	4.8708	**4.2870**	0.0000	-0.5838	4.8708
5 Jun 21	97.998	110.591	131.444	429.000	765.250	306.857	160.000	9.7200	**7.7100**	0.0000	-2.0100	9.72
6 Jun 21	200.359	201.544	201.544	200.350	186.900	198.139	160.000	9.7200	**9.7450**	0.0250	0.0000	9.745
7 Jun 21	163.684	157.350	143.870	144.261	150.178	151.869	151.869	9.2260	**9.7190**	0.4930	0.0000	9.719
8 Jun 21	193.563	375.540	309.810	317.990	270.333	293.447	160.000	9.7200	**9.7150**	0.0000	-0.0050	9.72
9 Jun 21	200.350	165.565	150.975	153.169	157.546	165.521	160.000	9.7200	**9.3850**	0.0000	-0.3350	9.72
10 Jun 21	118.537	104.145	106.634	103.801	100.888	106.801	106.801	6.4882	**6.6090**	0.1208	0.0000	6.609
11 Jun 21	84.802	90.049	89.024	86.913	88.440	87.846	87.846	5.3366	**5.6780**	0.3414	0.0000	5.678
12 Jun 21	80.928	75.123	74.987	70.350	84.922	77.262	77.262	4.6937	**4.5930**	0.0000	-0.1007	4.69367
13 Jun 21	94.015	93.246	97.468	95.357	107.148	97.447	97.447	5.9199	**5.9170**	0.0000	-0.0029	5.91989
14 Jun 21	108.875	96.592	90.049	86.913	82.968	93.079	93.079	5.6546	**5.8680**	0.2134	0.0000	5.868
15 Jun 21	75.203	67.940	67.122	63.178	66.106	67.910	67.910	4.1255	**4.2640**	0.1385	0.0000	4.264
16 Jun 21	63.608	68.858	61.373	54.174	63.859	62.374	62.374	3.7892	**3.6700**	0.0000	-0.1192	3.78924
17 Jun 21	60.956	61.206	56.703	55.332	61.916	59.223	59.223	3.5978	**3.4270**	0.0000	-0.1708	3.59777
18 Jun 21	80.580	78.469	79.025	73.011	76.109	77.439	77.439	4.7044	**4.8850**	0.1806	0.0000	4.885
19 Jun 21	75.080	61.405	59.234	62.456	63.240	64.283	64.283	3.9052	**4.3540**	0.4488	0.0000	4.354
20 Jun 21	86.844	80.997	64.997	66.348	62.531	72.343	72.343	4.3949	**4.3950**	0.0001	0.0000	4.395
21 Jun 21	73.704	77.608	71.261	67.123	56.871	69.313	69.313	4.2108	**4.7730**	0.5622	0.0000	4.773
22 Jun 21	83.567	78.469	72.135	72.135	65.802	74.422	74.422	4.5211	**4.7050**	0.1839	0.0000	4.705
23 Jun 21	73.657	70.823	67.122	53.250	61.024	65.175	65.175	3.9594	**3.7170**	0.0000	-0.2424	3.95939
24 Jun 21	77.052	66.075	61.206	59.139	44.236	61.542	61.542	3.7387	**4.0270**	0.2883	0.0000	4.027
25 Jun 21	57.456	57.698	63.111	60.559	64.567	60.678	60.678	3.6862	**3.4460**	0.0000	-0.2402	3.6862
26 Jun 21	65.802	53.317	58.233	60.344	63.797	60.299	60.299	3.6631	**3.8150**	0.1519	0.0000	3.815
27 Jun 21	49.372	49.372	51.344	53.517	57.349	52.191	52.191	3.1706	**3.2330**	0.0624	0.0000	3.233
28 Jun 21	64.567	64.567	0.000	58.233	64.512	50.376	50.376	3.0603	**3.7080**	0.6477	0.0000	3.708
29 Jun 21	49.372	48.815	44.916	44.333	60.408	49.569	49.569	3.0113	**3.1580**	0.1467	0.0000	3.158
30 Jun 21	63.917	58.233	58.233	56.123	49.789	57.259	57.259	3.4785	**3.4590**	0.0000	-0.0195	3.47848
1 Jul 21	70.113	60.344	64.024	65.802	63.090	64.675	64.675	3.9290	**3.8840**	0.0000	-0.0450	3.92898
2 Jul 21	51.345	49.372	41.944	40.111	54.443	47.443	47.443	2.8822	**2.7400**	0.0000	-0.1422	2.88216
3 Jul 21	57.399	60.344	64.567	70.900	78.469	66.336	66.336	4.0299	**3.8610**	0.0000	-0.1689	4.0299
4 Jul 21	91.011	82.689	66.678	64.567	60.344	73.058	73.058	4.4383	**4.7920**	0.3537	0.0000	4.792
5 Jul 21	60.805	58.099	54.012	51.900	51.900	55.343	55.343	3.3621	**3.2360**	0.0000	-0.1261	3.3621
6 Jul 21	53.317	54.012	52.731	52.777	71.235	56.814	56.814	3.4515	**3.3420**	0.0000	-0.1095	3.45147
7 Jul 21	68.789	62.457	58.235	59.744	61.580	62.161	62.161	3.7763	**4.1690**	0.3927	0.0000	4.169
8 Jul 21	170.767	155.778	137.901	122.531	113.482	140.092	140.092	8.5106	**9.2790**	0.7684	0.0000	9.279
9 Jul 21	97.185	112.564	104.563	92.829	87.310	98.910	98.910	6.0088	**6.1600**	0.1512	0.0000	6.16
10 Jul 21	110.135	89.024	86.913	76.358	80.041	88.494	88.494	5.3760	**5.4530**	0.0770	0.0000	5.453

11 Jul 21	77.234	68.789	73.011	76.569	74.704	74.061	74.061	4.4992	**4.4990**	0.0000	-0.0002	4.49923
12 Jul 21	97.414	86.913	80.928	72.909	85.565	84.746	84.746	5.1483	**5.6740**	0.5257	0.0000	5.674
13 Jul 21	76.691	89.024	82.691	76.358	78.469	80.647	80.647	4.8993	**4.6080**	0.0000	-0.2913	4.89928
14 Jul 21	73.039	76.983	84.428	90.022	102.926	85.480	85.480	5.1929	**4.9630**	0.0000	-0.2299	5.19289
15 Jul 21	88.954	91.993	86.844	98.344	114.310	96.089	96.089	5.8374	**6.5420**	0.7046	0.0000	6.542
16 Jul 21	96.800	88.911	83.568	75.123	110.444	90.969	90.969	5.5264	**5.8240**	0.2976	0.0000	5.824
17 Jul 21	115.110	117.221	112.999	108.777	108.777	112.577	112.577	6.8390	**6.6750**	0.0000	-0.1640	6.83904
18 Jul 21	118.284	105.877	103.765	101.654	104.612	106.838	106.838	6.4904	**6.6850**	0.1946	0.0000	6.685
19 Jul 21	106.667	100.333	116.468	156.999	158.419	127.777	127.777	7.7625	**7.1970**	0.0000	-0.5655	7.76246
20 Jul 21	142.280	173.453	167.250	181.503	183.809	169.659	160.000	9.7200	**9.6710**	0.0000	-0.0490	9.72
21 Jul 21	124.626	118.308	129.616	108.777	120.493	120.364	120.364	7.3121	**8.9910**	1.6789	0.0000	8.991
22 Jul 21	105.876	102.691	96.774	94.800	92.828	98.594	98.594	5.9896	**6.3530**	0.3634	0.0000	6.353
23 Jul 21	78.969	80.913	66.135	86.913	87.530	80.092	80.092	4.8656	**5.1270**	0.2614	0.0000	5.127
24 Jul 21	76.996	73.052	69.524	80.580	72.135	74.457	74.457	4.5233	**4.4230**	0.0000	-0.1003	4.52329
25 Jul 21	73.011	70.961	72.136	72.136	73.538	72.356	72.356	4.3957	**4.5340**	0.1383	0.0000	4.534
26 Jul 21	67.956	67.122	63.178	53.318	74.415	65.198	65.198	3.9608	**3.8770**	0.0000	-0.0838	3.96077
27 Jul 21	112.514	96.231	86.354	83.567	87.082	93.150	93.150	5.6588	**5.3840**	0.0000	-0.2748	5.65884
28 Jul 21	67.135	63.178	63.178	64.567	60.344	63.680	63.680	3.8686	**4.0360**	0.1674	0.0000	4.036
29 Jul 21	75.025	69.108	68.246	68.246	72.469	70.619	70.619	4.2901	**4.3240**	0.0339	0.0000	4.324
30 Jul 21	85.135	82.691	78.469	76.358	74.247	79.380	79.380	4.8223	**5.3030**	0.4807	0.0000	5.303
31 Jul 21	78.961	71.080	72.469	66.135	78.171	73.363	73.363	4.4568	**4.4820**	0.0252	0.0000	4.482
1 Aug 21	116.468	128.049	132.688	170.212	172.252	143.934	143.934	8.7440	**7.2530**	0.0000	-1.4910	8.74398
2 Aug 21	149.607	565.820	109.864	131.093	104.664	212.210	160.000	9.7200	**8.7110**	0.0000	-1.0090	9.72
3 Aug 21	88.663	85.155	0.000	76.983	79.467	66.054	66.054	4.0128	**5.1440**	1.1312	0.0000	5.144
4 Aug 21	69.094	69.094	65.844	68.789	70.025	68.569	68.569	4.1656	**4.3490**	0.1834	0.0000	4.349
5 Aug 21	63.374	65.150	65.150	61.206	62.038	63.384	63.384	3.8506	**3.5960**	0.0000	-0.2546	3.85055
6 Aug 21	59.235	57.261	57.261	57.261	57.261	57.656	57.656	3.5026	**3.7390**	0.2364	0.0000	3.739
7 Aug 21	59.233	58.233	56.123	54.011	65.802	58.680	58.680	3.5648	**3.4860**	0.0000	-0.0788	3.56483
8 Aug 21	69.667	97.469	94.146	81.814	79.703	84.560	84.560	5.1370	**4.4350**	0.0000	-0.7020	5.13701
9 Aug 21	84.940	68.321	72.469	64.567	64.628	70.985	70.985	4.3123	**4.5380**	0.2257	0.0000	4.538
10 Aug 21	60.108	68.858	64.194	62.820	74.354	66.067	66.067	4.0136	**3.8380**	0.0000	-0.1756	4.01356
11 Aug 21	78.969	76.996	74.580	72.469	82.062	77.015	77.015	4.6787	**4.8670**	0.1883	0.0000	4.867
12 Aug 21	90.749	103.039	108.616	88.885	105.264	99.311	99.311	6.0331	**6.6950**	0.6619	0.0000	6.695
13 Aug 21	94.815	91.314	76.107	90.789	86.844	87.974	87.974	5.3444	**5.5730**	0.2286	0.0000	5.573
14 Aug 21	119.604	237.458	294.530	292.949	294.530	247.814	160.000	9.7200	**7.4480**	0.0000	-2.2720	9.72
15 Aug 21	160.391	140.925	132.481	130.370	127.445	138.322	138.322	8.4031	**8.8980**	0.4949	0.0000	8.898
16 Aug 21	100.064	94.206	89.296	87.575	89.124	92.053	92.053	5.5922	**5.8370**	0.2448	0.0000	5.837

17 Aug 21	88.885	78.444	75.024	69.094	70.961	76.482	76.482	4.6463	**4.6710**	0.0247	0.0000	4.671
18 Aug 21	73.024	84.885	80.941	87.246	89.025	83.024	83.024	5.0437	**4.7420**	0.0000	-0.3017	5.04372
19 Aug 21	84.885	87.246	108.024	113.482	117.704	102.268	102.268	6.2128	**5.9660**	0.0000	-0.2468	6.21279
20 Aug 21	96.719	85.135	84.653	86.913	84.923	87.669	87.669	5.3259	**5.4260**	0.1001	0.0000	5.426
21 Aug 21	86.914	86.913	82.691	76.358	84.802	83.536	83.536	5.0748	**5.5440**	0.4692	0.0000	5.544
22 Aug 21	79.025	75.080	73.039	67.122	83.394	75.532	75.532	4.5886	**4.6390**	0.0504	0.0000	4.639
23 Aug 21	90.857	82.969	75.011	73.011	78.468	80.063	80.063	4.8638	**5.2520**	0.3882	0.0000	5.252
24 Aug 21	90.413	87.485	80.928	79.345	84.139	84.462	84.462	5.1311	**5.1760**	0.0449	0.0000	5.176
25 Aug 21	84.940	98.746	94.734	94.123	101.691	94.847	94.847	5.7619	**5.2730**	0.0000	-0.4889	5.76194
26 Aug 21	119.604	192.005	204.530	186.086	199.920	180.429	160.000	9.7200	**8.1720**	0.0000	-1.5480	9.72
27 Aug 21	334.889	268.378	276.054	266.834	253.381	279.907	160.000	9.7200	**9.6510**	0.0000	-0.0690	9.72
28 Aug 21	240.718	240.718	240.718	255.275	289.859	253.458	160.000	9.7200	**9.6650**	0.0000	-0.0550	9.72
29 Aug 21	149.198	203.389	166.501	189.556	178.409	177.411	160.000	9.7200	**9.6410**	0.0000	-0.0790	9.72
30 Aug 21	135.198	136.778	138.814	138.814	151.481	140.217	140.217	8.5182	**9.1280**	0.6098	0.0000	9.128
31 Aug 21	144.568	178.345	157.841	148.555	150.666	155.995	155.995	9.4767	**9.1330**	0.0000	-0.3437	9.4767
1 Sep 21	120.484	224.270	275.222	230.170	213.022	212.634	160.000	9.7200	**9.4150**	0.0000	-0.3050	9.72
2 Sep 21	135.196	124.037	130.370	159.925	214.234	152.752	152.752	9.2797	**9.1690**	0.0000	-0.1107	9.27971
3 Sep 21	139.419	127.679	126.148	130.370	130.370	130.797	130.797	7.9459	**9.1570**	1.2111	0.0000	9.157
4 Sep 21	118.481	112.564	108.619	107.482	105.371	110.503	110.503	6.7131	**6.4020**	0.0000	-0.3111	6.71308
5 Sep 21	100.718	99.580	97.468	100.605	94.272	98.529	98.529	5.9856	**6.4200**	0.4344	0.0000	6.42
6 Sep 21	94.803	91.136	91.136	89.024	86.913	90.602	90.602	5.5041	**5.7860**	0.2819	0.0000	5.786
7 Sep 21	131.362	187.206	202.584	186.445	163.770	174.273	160.000	9.7200	**7.9880**	0.0000	-1.7320	9.72
8 Sep 21	147.863	185.863	160.724	141.531	128.864	152.969	152.969	9.2929	**9.5800**	0.2871	0.0000	9.58
9 Sep 21	140.346	125.679	131.942	118.475	128.163	128.921	128.921	7.8320	**8.2860**	0.4540	0.0000	8.286
10 Sep 21	115.925	123.827	111.432	117.494	121.614	118.058	118.058	7.1720	**7.0830**	0.0000	-0.0890	7.17205
11 Sep 21	107.147	110.647	106.635	104.664	104.543	106.727	106.727	6.4837	**7.5240**	1.0403	0.0000	7.524
12 Sep 21	110.605	102.716	98.746	93.247	134.592	107.981	107.981	6.5599	**6.1770**	0.0000	-0.3829	6.55986
13 Sep 21	93.246	91.135	89.024	84.802	86.913	89.024	89.024	5.4082	**5.5780**	0.1698	0.0000	5.578
14 Sep 21	86.914	86.913	84.940	75.024	82.690	83.296	83.296	5.0602	**5.1940**	0.1338	0.0000	5.194
15 Sep 21	82.986	79.025	66.969	76.996	70.913	75.378	75.378	4.5792	**4.9350**	0.3558	0.0000	4.935
16 Sep 21	101.505	89.024	90.049	83.716	81.605	89.180	89.180	5.4177	**5.5770**	0.1593	0.0000	5.577
17 Sep 21	84.940	75.055	80.941	87.789	150.415	95.828	95.828	5.8216	**5.1720**	0.0000	-0.6496	5.82155
18 Sep 21	118.307	110.648	120.466	127.891	139.419	123.346	123.346	7.4933	**8.2770**	0.7837	0.0000	8.277
19 Sep 21	94.814	81.906	88.830	83.567	84.245	86.672	86.672	5.2653	**5.7340**	0.4687	0.0000	5.734
20 Sep 21	76.996	76.996	72.469	76.691	76.358	75.902	75.902	4.6110	**4.5410**	0.0000	-0.0700	4.61105
21 Sep 21	69.164	70.900	67.123	65.150	72.469	68.961	68.961	4.1894	**4.1910**	0.0016	0.0000	4.191
22 Sep 21	74.356	64.627	65.150	64.149	66.678	66.992	66.992	4.0698	**4.3100**	0.2402	0.0000	4.31

23 Sep 21	75.024	65.163	69.108	64.024	68.246	68.313	68.313	4.1500	**4.2290**	0.0790	0.0000	4.229
24 Sep 21	71.080	65.163	63.191	65.163	63.885	65.696	65.696	3.9911	**4.2370**	0.2459	0.0000	4.237
25 Sep 21	62.937	65.150	66.564	52.788	62.887	62.065	62.065	3.7705	**3.5100**	0.0000	-0.2605	3.77046
26 Sep 21	65.154	62.320	58.099	60.209	58.099	60.776	60.776	3.6922	**3.8400**	0.1478	0.0000	3.84
27 Sep 21	61.206	63.178	62.456	62.456	60.344	61.928	61.928	3.7621	**3.7920**	0.0299	0.0000	3.792
28 Sep 21	63.182	64.567	62.320	60.210	86.914	67.439	67.439	4.0969	**3.9860**	0.0000	-0.1109	4.09689
29 Sep 21	61.210	57.265	53.317	54.888	52.423	55.821	55.821	3.3911	**3.4740**	0.0829	0.0000	3.474
30 Sep 21	65.154	63.182	55.289	55.289	55.703	58.923	58.923	3.5796	**3.7660**	0.1864	0.0000	3.766
1 Oct 21	53.318	53.317	50.263	42.222	58.188	51.462	51.462	3.1263	**2.9430**	0.0000	-0.1833	3.12629
2 Oct 21	47.678	51.900	51.900	49.789	51.900	50.633	50.633	3.0760	**3.0360**	0.0000	-0.0400	3.07598
3 Oct 21	66.678	61.913	59.798	53.469	63.690	61.110	61.110	3.7124	**3.5690**	0.0000	-0.1434	3.71241
4 Oct 21	47.678	51.900	51.900	54.011	51.900	51.478	51.478	3.1273	**3.0760**	0.0000	-0.0513	3.12728
5 Oct 21	54.011	54.011	51.900	49.789	63.691	54.680	54.680	3.3218	**3.3480**	0.0262	0.0000	3.348
6 Oct 21	61.258	59.802	55.580	51.358	59.470	57.494	57.494	3.4927	**3.7250**	0.2323	0.0000	3.725
7 Oct 21	51.900	51.900	49.789	47.678	51.900	50.633	50.633	3.0760	**3.1100**	0.0340	0.0000	3.11
8 Oct 21	47.401	53.317	51.900	44.333	40.897	47.570	47.570	2.8899	**2.7770**	0.0000	-0.1129	2.88985
9 Oct 21	45.567	45.567	42.222	42.345	49.789	45.098	45.098	2.7397	**2.8550**	0.1153	0.0000	2.855
10 Oct 21	45.952	47.400	42.222	35.888	59.036	46.100	46.100	2.8006	**2.6960**	0.0000	-0.1046	2.80055
11 Oct 21	39.444	40.111	35.888	36.889	38.458	38.158	38.158	2.3181	**2.2900**	0.0000	-0.0281	2.3181
12 Oct 21	33.777	33.777	36.888	32.278	45.860	36.516	36.516	2.2183	**2.4510**	0.2327	0.0000	2.451
13 Oct 21	38.000	33.777	34.194	36.888	40.630	36.698	36.698	2.2294	**2.4600**	0.2306	0.0000	2.46
14 Oct 21	35.500	35.888	35.888	34.583	40.171	36.406	36.406	2.2117	**2.3230**	0.1113	0.0000	2.323
15 Oct 21	35.500	38.000	33.777	39.194	35.041	36.302	36.302	2.2054	**2.3290**	0.1236	0.0000	2.329
16 Oct 21	39.722	35.888	35.888	36.888	35.898	36.857	36.857	2.2391	**2.3270**	0.0879	0.0000	2.327
17 Oct 21	32.111	33.778	33.778	41.500	40.509	36.335	36.335	2.2074	**2.2920**	0.0846	0.0000	2.292
18 Oct 21	44.333	43.805	48.067	54.983	69.723	52.182	52.182	3.1701	**3.5010**	0.3309	0.0000	3.501
19 Oct 21	53.250	52.777	46.111	68.817	77.436	59.678	59.678	3.6255	**3.5320**	0.0000	-0.0935	3.62545
20 Oct 21	91.135	107.663	133.020	185.326	212.232	145.875	145.875	8.8619	**7.0340**	0.0000	-1.8279	8.86192
21 Oct 21	113.058	126.426	94.801	64.828	78.498	95.522	95.522	5.8030	**7.0680**	1.2650	0.0000	7.068
22 Oct 21	57.261	59.897	46.444	50.722	56.299	54.125	54.125	3.2881	**3.2220**	0.0000	-0.0661	3.28807
23 Oct 21	49.789	51.900	40.111	49.789	54.719	49.262	49.262	2.9926	**3.0000**	0.0074	0.0000	3
24 Oct 21	47.679	47.678	35.888	39.194	43.457	42.779	42.779	2.5988	**2.6270**	0.0282	0.0000	2.627
25 Oct 21	44.119	43.456	33.778	35.888	45.567	40.562	40.562	2.4641	**2.6520**	0.1879	0.0000	2.652
26 Oct 21	47.400	45.126	38.000	33.777	39.208	40.702	40.702	2.4727	**2.4650**	0.0000	-0.0077	2.47266
27 Oct 21	43.456	39.435	35.888	31.667	45.567	39.203	39.203	2.3816	**2.3020**	0.0000	-0.0796	2.38156
28 Oct 21	43.456	33.115	31.667	31.667	48.658	37.713	37.713	2.2910	**2.3450**	0.0540	0.0000	2.345
29 Oct 21	39.512	31.666	31.666	29.556	40.498	34.580	34.580	2.1007	**2.1300**	0.0293	0.0000	2.13

30 Oct 21	41.345	34.583	35.583	31.666	42.938	37.223	37.223	2.2613	**2.2200**	0.0000	-0.0413	2.2613
31 Oct 21	31.556	33.778	29.555	32.278	31.028	31.639	31.639	1.9221	**2.0730**	0.1509	0.0000	2.073
1 Nov 21	29.538	33.777	29.555	29.972	33.334	31.235	31.235	1.8975	**2.0730**	0.1755	0.0000	2.073
2 Nov 21	31.555	29.555	29.555	27.444	42.007	32.023	32.023	1.9454	**2.0700**	0.1246	0.0000	2.07
3 Nov 21	31.555	27.444	29.556	29.555	37.290	31.080	31.080	1.8881	**1.8840**	0.0000	-0.0041	1.88811
4 Nov 21	29.583	29.555	29.555	25.335	42.917	31.389	31.389	1.9069	**1.8830**	0.0000	-0.0239	1.90688
5 Nov 21	29.583	27.444	27.444	25.333	27.769	27.515	27.515	1.6715	**1.8270**	0.1555	0.0000	1.827
6 Nov 21	29.583	33.777	29.555	27.444	44.242	32.920	32.920	1.9999	**1.8230**	0.0000	-0.1769	1.9999
7 Nov 21	27.611	29.555	27.444	27.444	36.213	29.653	29.653	1.8014	**1.8220**	0.0206	0.0000	1.822
8 Nov 21	27.611	25.333	25.333	25.333	23.222	25.366	25.366	1.5410	**1.7280**	0.1870	0.0000	1.728
9 Nov 21	29.583	27.027	23.222	23.222	21.111	24.833	24.833	1.5086	**1.6070**	0.0984	0.0000	1.607
10 Nov 21	29.583	25.333	27.444	23.222	28.398	26.796	26.796	1.6279	**1.6020**	0.0000	-0.0259	1.62786
11 Nov 21	26.332	25.333	25.333	25.333	32.071	26.880	26.880	1.6330	**1.7050**	0.0720	0.0000	1.705
12 Nov 21	27.611	25.333	25.333	21.111	31.481	26.174	26.174	1.5901	**1.7260**	0.1359	0.0000	1.726
13 Nov 21	25.638	25.333	25.333	23.222	30.605	26.026	26.026	1.5811	**1.7410**	0.1599	0.0000	1.741
14 Nov 21	23.666	25.638	25.333	27.444	23.346	25.085	25.085	1.5239	**1.5210**	0.0000	-0.0029	1.52394
15 Nov 21	25.638	27.444	25.333	25.333	25.394	25.828	25.828	1.5691	**1.5370**	0.0000	-0.0321	1.56908
16 Nov 21	25.638	23.222	25.333	21.111	26.762	24.413	24.413	1.4831	**1.5480**	0.0649	0.0000	1.548
17 Nov 21	23.666	25.333	21.111	21.111	24.493	23.143	23.143	1.4059	**1.5280**	0.1221	0.0000	1.528
18 Nov 21	23.222	25.333	23.222	21.111	34.966	25.571	25.571	1.5534	**1.5210**	0.0000	-0.0324	1.55343
19 Nov 21	23.222	23.222	21.111	23.055	26.847	23.491	23.491	1.4271	**1.5210**	0.0939	0.0000	1.521
20 Nov 21	19.000	21.111	21.111	23.055	29.021	22.660	22.660	1.3766	**1.6170**	0.2404	0.0000	1.617
21 Nov 21	25.333	25.333	19.000	20.750	30.143	24.112	24.112	1.4648	**1.7070**	0.2422	0.0000	1.707
22 Nov 21	22.388	25.333	23.222	19.000	33.366	24.662	24.662	1.4982	**1.5420**	0.0438	0.0000	1.542
23 Nov 21	29.556	31.666	51.860	40.172	33.945	37.440	37.440	2.2745	**2.2510**	0.0000	-0.0235	2.27447
24 Nov 21	27.111	27.444	25.333	27.444	39.187	29.304	29.304	1.7802	**1.6790**	0.0000	-0.1012	1.78021
25 Nov 21	29.555	25.333	27.666	31.867	34.886	29.861	29.861	1.8141	**2.2270**	0.4129	0.0000	2.227
26 Nov 21	25.638	29.555	25.333	19.000	22.715	24.448	24.448	1.4852	**1.6800**	0.1948	0.0000	1.68
27 Nov 21	23.666	25.333	23.222	21.111	27.078	24.082	24.082	1.4630	**1.4660**	0.0030	0.0000	1.466
28 Nov 21	19.000	25.333	21.111	19.000	21.321	21.153	21.153	1.2850	**1.5570**	0.2720	0.0000	1.557
29 Nov 21	23.667	21.111	21.111	19.000	41.917	25.361	25.361	1.5407	**1.4350**	0.0000	-0.1057	1.54069
30 Nov 21	21.972	23.222	23.222	21.111	29.542	23.814	23.814	1.4467	**1.4130**	0.0000	-0.0337	1.44669
1 Dec 21	23.667	21.111	21.111	16.889	35.876	23.731	23.731	1.4416	**1.4380**	0.0000	-0.0036	1.44165
2 Dec 21	21.694	21.111	23.222	21.111	38.171	25.062	25.062	1.5225	**1.4540**	0.0000	-0.0685	1.52251
3 Dec 21	21.694	19.000	21.111	19.000	27.416	21.644	21.644	1.3149	**1.3530**	0.0381	0.0000	1.353
4 Dec 21	21.694	21.111	21.111	21.111	38.324	24.670	24.670	1.4987	**1.3320**	0.0000	-0.1667	1.49871
5 Dec 21	21.111	21.111	21.111	21.111	26.197	22.128	22.128	1.3443	**1.3310**	0.0000	-0.0133	1.34429

6 Dec 21	21.111	21.111	16.889	19.000	30.286	21.679	21.679	1.3170	**1.4730**	0.1560	0.0000	1.473
7 Dec 21	21.111	21.111	19.000	19.000	28.884	21.821	21.821	1.3256	**1.4600**	0.1344	0.0000	1.46
8 Dec 21	21.694	21.111	16.888	16.889	34.490	22.214	22.214	1.3495	**1.3490**	0.0000	-0.0005	1.34952
9 Dec 21	19.999	21.111	21.111	16.889	31.053	22.033	22.033	1.3385	**1.3350**	0.0000	-0.0035	1.33848
10 Dec 21	21.111	19.000	14.777	19.000	28.941	20.566	20.566	1.2494	**1.3600**	0.1106	0.0000	1.36
11 Dec 21	21.111	19.000	19.000	19.000	33.224	22.267	22.267	1.3527	**1.3540**	0.0013	0.0000	1.354
12 Dec 21	23.222	23.222	16.889	16.888	32.809	22.606	22.606	1.3733	**1.4320**	0.0587	0.0000	1.432
13 Dec 21	15.778	21.111	19.000	16.888	26.892	19.934	19.934	1.2110	**1.3020**	0.0910	0.0000	1.302
14 Dec 21	15.778	19.000	21.111	14.778	23.145	18.762	18.762	1.1398	**1.2850**	0.1452	0.0000	1.285
15 Dec 21	19.722	20.277	16.889	16.889	33.325	21.420	21.420	1.3013	**0.9010**	0.0000	-0.4003	1.30129
16 Dec 21	19.000	19.000	14.777	18.444	27.969	19.838	19.838	1.2052	**1.2060**	0.0008	0.0000	1.206
17 Dec 21	19.000	21.111	16.888	18.444	35.324	22.153	22.153	1.3458	**1.2290**	0.0000	-0.1168	1.34582
18 Dec 21	19.000	19.000	19.000	17.666	34.415	21.816	21.816	1.3253	**1.2300**	0.0000	-0.0953	1.32533
19 Dec 21	19.000	19.000	16.888	14.777	29.276	19.788	19.788	1.2021	**1.2010**	0.0000	-0.0011	1.20213
20 Dec 21	19.000	16.889	14.778	12.666	32.706	19.208	19.208	1.1669	**1.2280**	0.0611	0.0000	1.228
21 Dec 21	25.333	16.889	16.889	16.889	34.061	22.012	22.012	1.3372	**1.2300**	0.0000	-0.1072	1.33724
22 Dec 21	17.750	16.889	14.777	16.889	31.206	19.502	19.502	1.1848	**1.2160**	0.0312	0.0000	1.216
23 Dec 21	19.722	21.111	16.888	14.778	30.238	20.547	20.547	1.2483	**1.2120**	0.0000	-0.0363	1.24825
24 Dec 21	19.722	17.750	14.777	19.000	28.801	20.010	20.010	1.2156	**1.2190**	0.0034	0.0000	1.219
25 Dec 21	19.222	19.722	13.805	19.000	20.588	18.467	18.467	1.1219	**1.0050**	0.0000	-0.1169	1.12189
26 Dec 21	19.222	16.888	19.000	19.000	27.814	20.385	20.385	1.2384	**1.0920**	0.0000	-0.1464	1.23838
27 Dec 21	19.000	19.000	19.000	16.888	19.000	18.578	18.578	1.1286	**1.1390**	0.0104	0.0000	1.139
28 Dec 21	19.000	19.000	19.000	16.889	32.459	21.270	21.270	1.2921	**1.1340**	0.0000	-0.1581	1.29213
29 Dec 21	19.000	16.889	14.778	16.889	27.264	18.964	18.964	1.1521	**1.1410**	0.0000	-0.0111	1.15206
30 Dec 21	16.888	16.889	16.889	14.778	21.098	17.308	17.308	1.0515	**1.2130**	0.1615	0.0000	1.213
31 Dec 21	19.000	19.000	19.000	16.889	27.400	20.258	20.258	1.2307	**1.2150**	0.0000	-0.0157	1.23066
1 Jan 22	19.000	19.000	16.888	16.888	22.867	18.929	18.929	1.1499	**1.1260**	0.0000	-0.0239	1.14991
2 Jan 22	16.889	14.777	0.000	14.777	27.336	14.756	14.756	0.8964	**1.2360**	0.3396	0.0000	1.236
3 Jan 22	17.750	16.888	16.888	14.777	21.122	17.485	17.485	1.0622	**1.2740**	0.2118	0.0000	1.274
4 Jan 22	17.750	17.750	16.888	16.888	31.221	20.099	20.099	1.2210	**1.2860**	0.0650	0.0000	1.286
5 Jan 22	19.722	17.750	15.778	16.888	27.045	19.437	19.437	1.1808	**1.1000**	0.0000	-0.0808	1.18077
6 Jan 22	15.777	17.750	15.778	16.888	33.686	19.976	19.976	1.2135	**1.0530**	0.0000	-0.1605	1.21353
7 Jan 22	17.750	17.750	16.888	14.778	19.248	17.283	17.283	1.0499	**1.0360**	0.0000	-0.0139	1.04993
8 Jan 22	17.750	13.805	16.888	12.667	15.811	15.384	15.384	0.9346	**0.9100**	0.0000	-0.0246	0.93459
9 Jan 22	16.749	16.888	16.888	16.889	31.992	19.881	19.881	1.2078	**0.9190**	0.0000	-0.2888	1.20778
10 Jan 22	14.777	16.888	14.777	14.778	29.635	18.171	18.171	1.1039	**0.8260**	0.0000	-0.2779	1.10389
11 Jan 22	14.778	17.278	11.527	16.138	16.138	15.172	15.172	0.9217	**1.0430**	0.1213	0.0000	1.043

12 Jan 22	16.889	19.583	18.444	18.444	21.993	19.071	19.071	1.1585	**1.0550**	0.0000	-0.1035	1.15854
13 Jan 22	23.055	20.750	20.750	22.065	44.172	26.158	26.158	1.5891	**1.6130**	0.0239	0.0000	1.613
14 Jan 22	19.000	16.889	14.778	18.444	22.389	18.300	18.300	1.1117	**1.2560**	0.1443	0.0000	1.256
15 Jan 22	16.889	16.888	16.888	12.667	27.042	18.075	18.075	1.0980	**1.0950**	0.0000	-0.0030	1.09804
16 Jan 22	16.888	16.888	14.777	10.556	24.472	16.716	16.716	1.0155	**1.0790**	0.0635	0.0000	1.079
17 Jan 22	16.889	14.777	14.777	12.667	14.778	14.778	14.778	0.8977	**1.0520**	0.1543	0.0000	1.052
18 Jan 22	16.889	16.888	14.777	12.667	26.429	17.530	17.530	1.0649	**1.0940**	0.0291	0.0000	1.094
19 Jan 22	17.778	14.778	14.778	14.777	13.390	15.100	15.100	0.9173	**1.0800**	0.1627	0.0000	1.08
20 Jan 22	15.778	14.778	12.667	12.666	16.535	14.485	14.485	0.8800	**1.0460**	0.1660	0.0000	1.046
21 Jan 22	13.805	16.888	12.667	14.778	21.356	15.899	15.899	0.9659	**1.0000**	0.0341	0.0000	1
22 Jan 22	13.805	15.778	14.778	14.777	13.390	14.506	14.506	0.8812	**0.9630**	0.0818	0.0000	0.963
23 Jan 22	15.778	14.778	16.889	12.667	22.762	16.575	16.575	1.0069	**1.0270**	0.0201	0.0000	1.027
24 Jan 22	16.468	16.889	16.889	16.889	25.723	18.572	18.572	1.1282	**1.0090**	0.0000	-0.1192	1.12822
25 Jan 22	16.889	16.888	16.888	14.778	25.040	18.097	18.097	1.0994	**1.0650**	0.0000	-0.0344	1.09937
26 Jan 22	16.889	19.000	16.888	19.000	27.937	19.943	19.943	1.2115	**1.0790**	0.0000	-0.1325	1.21153
27 Jan 22	16.889	16.888	16.888	16.888	16.800	16.871	16.871	1.0249	**1.0550**	0.0301	0.0000	1.055
28 Jan 22	12.666	12.666	14.777	14.971	29.724	16.961	16.961	1.0304	**1.0930**	0.0626	0.0000	1.093
29 Jan 22	14.777	14.778	12.667	12.667	33.131	17.604	17.604	1.0694	**1.1080**	0.0386	0.0000	1.108
30 Jan 22	23.222	14.778	14.778	12.666	29.509	18.991	18.991	1.1537	**1.0480**	0.0000	-0.1057	1.15368
31 Jan 22	19.000	12.667	14.778	12.667	20.032	15.829	15.829	0.9616	**1.0550**	0.0934	0.0000	1.055
1 Feb 22	15.916	16.888	14.777	14.778	20.695	16.611	16.611	1.0091	**1.0260**	0.0169	0.0000	1.026
2 Feb 22	21.111	21.111	19.000	19.000	29.819	22.008	22.008	1.3370	**1.1400**	0.0000	-0.1970	1.337
3 Feb 22	16.889	14.777	14.777	16.888	20.234	16.713	16.713	1.0153	**1.1210**	0.1057	0.0000	1.121
4 Feb 22	14.778	16.888	12.667	12.666	13.249	14.050	14.050	0.8535	**1.1390**	0.2855	0.0000	1.139
5 Feb 22	21.111	25.333	34.944	46.111	51.627	35.825	35.825	2.1764	**1.4830**	0.0000	-0.6934	2.17638
6 Feb 22	72.693	68.469	50.826	54.654	54.654	60.259	60.259	3.6607	**3.8410**	0.1803	0.0000	3.841
7 Feb 22	27.678	28.447	29.556	27.444	44.099	31.445	31.445	1.9103	**1.9680**	0.0577	0.0000	1.968
8 Feb 22	28.723	26.568	21.111	19.000	35.012	26.083	26.083	1.5845	**1.5430**	0.0000	-0.0415	1.58453
9 Feb 22	35.834	24.457	19.000	16.889	30.789	25.394	25.394	1.5427	**1.4130**	0.0000	-0.1297	1.54267
10 Feb 22	19.000	15.764	16.888	16.888	34.456	20.599	20.599	1.2514	**1.2230**	0.0000	-0.0284	1.2514
11 Feb 22	22.028	21.037	21.111	23.222	37.955	25.071	25.071	1.5230	**1.2080**	0.0000	-0.3150	1.52304
12 Feb 22	26.180	26.568	21.111	24.456	24.456	24.554	24.554	1.4917	**1.7180**	0.2263	0.0000	1.718
13 Feb 22	21.897	20.234	19.000	16.888	16.888	18.981	18.981	1.1531	**1.2390**	0.0859	0.0000	1.239
14 Feb 22	16.889	20.234	16.889	16.889	16.889	17.558	17.558	1.0666	**1.2080**	0.1414	0.0000	1.208
15 Feb 22	20.500	22.345	16.889	14.777	16.888	18.280	18.280	1.1105	**1.2190**	0.1085	0.0000	1.219
16 Feb 22	22.683	19.790	15.777	12.667	16.889	17.561	17.561	1.0668	**1.1020**	0.0352	0.0000	1.102
17 Feb 22	19.724	21.685	16.889	19.000	16.889	18.837	18.837	1.1444	**1.0700**	0.0000	-0.0744	1.14437

18 Feb 22	14.778	25.333	16.888	14.778	14.778	17.311	17.311	1.0516	**1.0800**	0.0284	0.0000	1.08
19 Feb 22	16.889	21.111	16.888	14.777	16.889	17.311	17.311	1.0516	**1.0810**	0.0294	0.0000	1.081
20 Feb 22	19.122	20.234	16.888	14.777	14.777	17.160	17.160	1.0424	**1.0980**	0.0556	0.0000	1.098
21 Feb 22	20.510	24.321	19.000	21.111	19.000	20.788	20.788	1.2629	**1.1450**	0.0000	-0.1179	1.2629
22 Feb 22	21.172	28.543	21.111	20.750	20.750	22.465	22.465	1.3648	**1.1980**	0.0000	-0.1668	1.36476
23 Feb 22	27.715	22.210	14.778	15.166	21.340	20.242	20.242	1.2297	**1.3760**	0.1463	0.0000	1.376
24 Feb 22	28.432	14.152	16.889	14.778	14.778	17.806	17.806	1.0817	**1.1110**	0.0293	0.0000	1.111
25 Feb 22	28.431	11.279	10.556	14.778	16.889	16.387	16.387	0.9955	**1.1000**	0.1045	0.0000	1.1
26 Feb 22	25.584	19.060	14.777	12.667	16.139	17.645	17.645	1.0720	**1.0770**	0.0050	0.0000	1.077
27 Feb 22	33.439	16.888	14.777	15.555	13.833	18.898	18.898	1.1481	**1.1000**	0.0000	-0.0481	1.14808
28 Feb 22	34.102	16.888	16.889	15.944	16.138	19.992	19.992	1.2145	**1.0680**	0.0000	-0.1465	1.21453
									0.0000			0
1 Mar 22	37.587	19.000	16.889	18.444	18.445	22.073	22.073	1.3409	**1.2080**	0.0000	-0.1329	1.34093
2 Mar 22	36.090	23.222	23.056	23.055	18.444	24.773	24.773	1.5050	**1.2030**	0.0000	-0.3020	1.50498
3 Mar 22	25.083	23.055	18.444	18.444	22.123	21.430	21.430	1.3019	**1.3100**	0.0081	0.0000	1.31
4 Mar 22	21.005	12.667	18.444	14.778	16.138	16.606	16.606	1.0088	**1.2290**	0.2202	0.0000	1.229
5 Mar 22	37.915	11.527	18.444	16.138	13.833	19.571	19.571	1.1890	**1.2770**	0.0880	0.0000	1.277
6 Mar 22	23.625	16.888	13.638	16.138	31.604	20.379	20.379	1.2380	**1.2510**	0.0130	0.0000	1.251
7 Mar 22	23.625	19.000	14.777	18.444	27.002	20.570	20.570	1.2496	**1.2230**	0.0000	-0.0266	1.2496
8 Mar 22	23.901	19.000	19.000	20.750	23.055	21.141	21.141	1.2843	**1.2150**	0.0000	-0.0693	1.28433
9 Mar 22	32.399	19.000	18.444	23.055	20.750	22.730	22.730	1.3808	**1.2210**	0.0000	-0.1598	1.38082
10 Mar 22	36.876	15.505	20.750	16.138	18.444	21.543	21.543	1.3087	**1.5120**	0.2033	0.0000	1.512
11 Mar 22	23.055	20.750	23.055	20.750	27.597	23.041	23.041	1.3998	**1.3490**	0.0000	-0.0508	1.39977
12 Mar 22	39.183	29.972	25.361	25.361	32.900	30.555	30.555	1.8562	**1.6180**	0.0000	-0.2382	1.85624
13 Mar 22	36.539	24.351	20.750	13.837	35.845	26.264	26.264	1.5956	**1.8230**	0.2274	0.0000	1.823
14 Mar 22	39.531	28.407	19.000	12.860	49.052	29.770	29.770	1.8085	**1.5100**	0.0000	-0.2985	1.80853
15 Mar 22	43.456	20.403	19.000	21.111	20.750	24.944	24.944	1.5153	**1.2330**	0.0000	-0.2823	1.51535
16 Mar 22	29.960	25.283	20.750	25.631	35.173	27.359	27.359	1.6621	**1.3680**	0.0000	-0.2941	1.66208
17 Mar 22	28.576	18.444	25.361	16.138	19.422	21.588	21.588	1.3115	**1.5420**	0.2305	0.0000	1.542
18 Mar 22	18.444	18.444	23.056	20.750	21.800	20.499	20.499	1.2453	**1.2220**	0.0000	-0.0233	1.2453
19 Mar 22	18.444	20.750	18.444	23.056	26.002	21.339	21.339	1.2964	**1.6950**	0.3986	0.0000	1.695
20 Mar 22	19.000	23.056	18.444	18.444	31.806	22.150	22.150	1.3456	**1.5430**	0.1974	0.0000	1.543
21 Mar 22	25.333	23.056	23.056	23.056	29.597	24.820	24.820	1.5078	**1.5740**	0.0662	0.0000	1.574
22 Mar 22	19.000	19.000	21.111	18.444	18.094	19.130	19.130	1.1621	**1.4510**	0.2889	0.0000	1.451
23 Mar 22	16.888	16.888	16.888	16.888	25.288	18.568	18.568	1.1280	**1.1440**	0.0160	0.0000	1.144
24 Mar 22	16.889	19.000	27.444	29.972	36.540	25.969	25.969	1.5776	**1.4900**	0.0000	-0.0876	1.57762
25 Mar 22	25.907	30.789	31.666	23.055	20.401	26.364	26.364	1.6016	**1.9210**	0.3194	0.0000	1.921

26 Mar 22	38.000	40.111	58.484	59.444	50.543	49.316	49.316	2.9960	**2.7120**	0.0000	-0.2840	2.99597
27 Mar 22	55.605	46.444	50.666	50.667	41.334	48.943	48.943	2.9733	**2.3210**	0.0000	-0.6523	2.9733
28 Mar 22	32.900	35.050	16.889	27.444	28.554	28.167	28.167	1.7112	**1.5660**	0.0000	-0.1452	1.71117
29 Mar 22	23.734	19.722	23.222	21.111	23.283	22.214	22.214	1.3495	**1.5380**	0.1885	0.0000	1.538
30 Mar 22	29.555	27.444	27.666	27.666	27.493	27.965	27.965	1.6989	**2.1150**	0.4161	0.0000	2.115
31 Mar 22	92.612	118.752	109.259	117.704	121.148	111.895	111.895	6.7976	**5.9530**	0.0000	-0.8446	6.79762
Total						**54.4045**	**51.8495**	**1149.6974**	**1154.2830**	**47.0715**	**-42.4858**	**1196.77**

Planned & Forced Outage of RHEP units for the year 2019-20

Up-dated upto 31/03/2020

P=Planned, F= Forced

Project	From unit	From Time mm/dd/yy hrs	To Time mm/dd/yy hrs	Duration in Hrs	Duration In Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
RHEP	I	4/1/19 0:00	4/28/19 22:00	670:00:00	670.00	14.5900	P	Plant S/D for MIV Disc Seal problem/replacement (S/D was from 09/02/19)
	I	5/7/19 9:30	5/8/19 15:10	29:40:00	29.67		F	S/D for Inspection and rectification of LP Cooler.
	I	5/25/19 23:00	5/26/19 23:30	0:30:00	0.50		F	Over voltage protection optd
	I	6/11/19 17:22	6/11/19 19:58	2:36:00	2.60		F	Tripped for over speed
	I	6/11/19 20:31	6/11/19 23:00	2:29:00	2.48		F	Rotor earth fault & bus diff. prot
	I	6/12/19 14:30	6/12/19 17:30	3:00:00	3.00		F	S/D for water leakage problem of service seal pipe
	I	6/17/19 12:58	6/17/19 15:55	2:57:00	2.95		F	S/D for checking of rotor earth fault.
	I	8/2/19 7:01	8/2/19 9:35	2:34:00	2.57	0.3485	F	Tripped for Generator field fail protection trip.
	I	8/13/19 11:30	8/14/19 13:28	25:58:00	25.97		F	S/D for Stator repair/Cleaning.
	I	8/23/19 8:00	8/23/19 15:30	7:30:00	7.50		F	S/D for inspection of under water parts.
	I	8/25/19 9:20	8/25/19 9:44	0:24:00	0.40		F	Generator reverse power operation.
	I	8/31/19 9:01	8/31/19 9:15	0:14:00	0.23		F	Auto tripped showing shear pin broken indication.
	I	9/3/19 10:35	9/4/19 11:00	24:25:00	24.42		F	S/D for Lub oil pump cooling problem.
	I	9/5/19 16:01	9/5/19 16:22	0:21:00	0.35		F	Over voltage.
	I	10/6/19 21:27	10/6/19 22:13	0:46:00	0.77		F	Thrust bearing temperature high.
	I	10/27/19 22:50	10/27/19 23:09	0:19:00	0.32		F	Gen. over voltage protection operated.
	I	11/27/19 18:00	11/27/19 21:00	3:00:00	3.00		F	Could not be synd for Excitation problem.
	I	1/3/20 9:00	1/12/20 20:00	227:00:00	227.00	0.0000	P	APM works
	I	2/10/20 8:03	2/19/20 13:00	220:57:00	220.95	0.0000	P	Planned S/D -U-I w.e.f. 08:03 hrs of 10/02/2020 for
	I			0:00:00	0.00		F	
	II	4/1/19 0:00	5/1/19 0:00	720:00:00	720.00	16.2000	P	Plant S/D for MIV Disc Seal problem/replacement & APM Works (S/D was from 09/02/19)
	II	5/1/19 0:00	5/1/19 15:15	15:15:00	15.25	0.0000	P	
	II	5/16/19 14:25	5/16/19 15:53	1:28:00	1.47		F	Tripped for generator over voltage
	II	7/8/19 12:07	7/8/19 13:01	0:54:00	0.90		F	S/D for Vibration testing.
	II	8/9/19 23:20	8/10/19 0:47	1:27:00	1.45		F	Tripped for Excitation problem (Excitation stage-III)
	II	8/21/19 17:00	8/21/19 17:56	0:56:00	0.93		F	Synchronisation problem.
	II	8/9/19 16:47	8/9/19 17:33	0:46:00	0.77		F	Generator Reverse power tripped.
	II	2/10/20 8:00	3/1/20 0:00	472:00:00	472.00	0.0000	P	Plant S/D for APM Works, APM & labyrinth replacement work of U-II, APM & Capital Maintenance of U-III
	II	3/1/20 0:00	3/4/20 19:00	91:00:00	91.00		P	
	II			0:00:00	0.00		F	
	III	4/1/19 0:00	4/28/19 22:00	670:00:00	670.00	14.5800	P	Plant S/D for MIV Disc Seal problem/replacement (S/D was from 09/02/19)
	III	8/9/19 23:42	8/10/19 0:00	0:18:00	0.30		F	Tripped for Generator diff. protn. Optd.
	III	9/16/19 13:53	9/16/19 15:09	1:16:00	1.27		F	Generator differential protection operated.
	III	10/10/19 9:58	10/10/19 16:44	6:46:00	6.77		F	G.T. Bucholtz tripped Phase -A.
	III	2/10/20 8:00	3/1/20 0:00	472:00:00	472.00	0.0000	P	Plant S/D for APM Works, APM & labyrinth replacement work of U-I, APM & Capital Maintenance of U-III
	III	3/1/20 0:00	3/21/20 16:03	496:03:00	496.05		P	
	III			0:00:00	0.00		F	
					Total Loss	45.7065		

Planned & Forced Outage of RHEP units for the year 2020-21

Up-dated upto 31/03/2021

Project	From		To		Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
	unit	Time mm/dd/yy hrs	Time mm/dd/yy hrs	Duration in Hrs				
RHEP	I	11/5/20 16:30	11/5/20 17:20	0:50:00	0.83	0	F	Could not be syncd for Governor problem
	I	1/4/21 9:00	1/12/21 15:00	198:00:00	198.00	0	P	APM.
	I	3/20/21 17:30	3/20/21 20:50	3:20:00	3.33	0	F	Delayed synchn for girl has been drawn in pare downstream
	I			0:00:00	0.00		F	
	II	5/8/20 17:30	5/8/20 19:50	2:20:00	2.33	0	F	Governor system trouble/EHG problem.
	II	5/14/20 14:32	5/14/20 15:53	1:21:00	1.35	0	F	S/D for replacement of LVDT.
	II	1/11/21 17:57	1/11/21 18:42	0:45:00	0.75	0	F	S/D for MIV problem
	II	1/15/21 18:00	1/15/21 20:24	2:24:00	2.40	0	F	Main Field Breaker problem.
	II	2/1/21 8:00	2/14/21 15:35	319:35:00	319.58	0	P	APM works
	II	3/20/21 17:15	3/20/21 20:43	3:28:00	3.47	0	F	Delayed synchn for girl has been drawn in pare downstream
	II			0:00:00	0.00		F	
	III	4/16/20 17:08	4/16/20 17:45	0:37:00	0.62	0	F	Generator Operational problem (HMI).
	III	10/10/20 16:32	10/10/20 17:40	1:08:00	1.13	0	F	Shear pin broken.
	III	10/25/20 15:53	11/8/20 23:55	344:02:00	344.03	0	F	Rotor Earth Fault.
	III	2/22/21 9:00	3/2/21 15:15	198:15:00	198.25	0	P	APM works
RHEP	III	3/12/21 9:00	3/13/21 16:30	31:30:00	31.50	0	F	S/D for inspection of underwater parts and for attending the abnormal sound of By-Pass valve.
	III	3/20/21 17:00	3/20/21 20:24	3:24:00	3.40	0	F	Delayed synchn for girl has been drawn in pare downstream
	III			0:00:00	0.00		F	

Planned & Forced Outage of RHEP units for the year 2021-22

Up-dated upto 31/03/2022

Project	Unit	From		To		Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
		unit	Time mm/dd/yy hrs	Time mm/dd/yy hrs	Duration in Hrs				
RHEP	Unit # I	I	6/17/21 16:58	6/17/21 17:51	0:53:00	0.88	0.0	F	Thrust Bearing Temperature very high.
		I	6/26/21 23:03	6/27/21 18:00	18:57:00	18.95	0.0	F	Tripped & S/D for problem in Generator Circuit Breaker
		I	12/3/21 9:00	12/12/21 14:55	221:55:00	221.92	0.0	P	APM Works.
		I	12/15/21 17:00	12/15/21 19:15	2:15:00	54:00:00	0.0	F	Gen CB problem.
		I	3/22/22 0:00	3/29/22 14:15	182:15:00	4374:00:00	0.0	F	S/D for Guide Vane Servo motor problem
		I			0:00:00	0:00:00	0.0	F	
	Unit # II	II	1/3/22 9:00	1/11/22 14:00	197:00:00	4728:00:00	0.0	P	APM Works
		II	1/17/22 16:45	1/17/22 17:01	0:16:00	6:24:00	0.0	F	Delayed for synchronisation problem.
		II			0:00:00	0:00:00	0.0	F	
	Unit # III	III	4/5/21 10:30	4/6/21 13:00	26:30:00	636:00:00	0.0	F	S/D for attending leakage of L P Lub Oil Cooler problem.
		III	9/22/21 13:28	9/22/21 16:45	3:17:00	78:48:00	0.0	F	OPU problem.
		III			0:00:00	0:00:00	0.0	F	
							0.0		





Planned & Forced Outage of PLHPS units for the year 2022-23

Up-dated upto 31/03/2023

Project	Unit	From Time mm/dd/yy hrs	To Time mm/dd/yy hrs	Duration in Hrs	Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
RHEP	Unit # I	4/18/22 5:46	4/18/22 6:07	0:22:00	0.37	0.00	F	Starting problem
		4/23/22 23:23	4/24/22 0:00	0:37:00	0.62	0.00	F	Operation of PRV of C-Phase Generator Transformer.
		6/5/22 14:48	6/5/22 16:57	2:09:00	2.15	0.00	F	Loss of excitation /Misc.prob.(ASE).
		8/21/22 12:30	8/21/22 18:30	6:00:00	6.00	0.00	F	S/D for replacement of one leakage Stator Air Cooler
		8/21/22 18:57	8/30/22 15:33	212:36:00	212.60	0.00	F	S/D for Guide Vane problem(Link Broken
		9/2/22 18:27	9/2/22 18:42	0:15:00	0.25	0.00	F	Generator power setter problem.
		11/4/22 14:28	11/4/22 16:05	1:37:00	1.62	0.00	F	MIV problem
		11/20/22 8:00	11/21/22 13:20	29:20:00	29.33	0.00	F	S/D for anti-skid painting in Bottom Bracket floor and wall
		1/23/23 9:00	2/2/23 13:40	244:40:00	244.67	0.00	P	APM works
				0:00:00	0.00		F	
RHEP	Unit # II	5/13/22 16:41	5/15/22 15:45	47:04:00	47.07	6.35	F	Rotor earth fault.
		5/25/22 16:30	5/26/22 11:25	18:55:00	18.92	0.00	F	S/D for inspection of NGT and NGR
		8/16/22 12:45	8/16/22 12:53	0:08:00	0.13	0.00	F	Delayed for synchronisation problem.
		11/17/22 8:48	11/18/22 12:00	27:12:00	27.20	0.00	F	S/D for Antiskid paint in bottom bracket of floor and wall.
		12/19/22 8:15	12/21/22 13:00	52:45:00	52.75	0.00	F	S/D for rectification of vibration and unusual sound of 200 NB By-Pass hydraulic valve
		1/3/23 9:00	1/11/23 13:45	196:45:00	196.75	0.00	P	APM works
		1/30/23 9:10	1/30/23 12:20	3:10:00	3.17	0.00	F	S/D for replacement of R-phase PRV
				0:00:00	0.00		F	
	Unit # III	4/10/22 16:30	4/10/22 16:51	0:21:00	0.35	0.00	F	Delayed for Auto Synchroniser problem
		8/9/22 10:30	8/12/22 15:39	77:09:00	77.15	0.00	F	S/D for inspection and checking of brake and jack system
		11/11/22 8:00	11/13/22 13:00	53:00:00	53.00	0.00	F	S/D for anti-skid painting inside Generator barrel.
		11/16/22 8:30	11/16/22 13:00	4:30:00	4.50	0.00	F	S/D for replacement works of TWIN Moose drop conductor in Y-Phase
		12/1/22 8:00	12/11/22 14:15	246:15:00	246.25	0.00	P	APM works
		12/24/22 10:30	12/24/22 21:55	11:25:00	11.42	0.00	F	S/D for replacement of Rotor D.C. lead and support block of Unit-III.
		3/3/23 9:30	3/3/23 15:24	5:54:00	5.90	0.00	F	S/D for replacement of Generator Stator Air Cooler.
				0:00:00	0.00	0.00	F	

Planned & Forced Outage of PLHPS units for the year 2023-24

Up-dated upto 31/03/2024

Project	Unit	From Time mm/dd/yy hrs	To Time mm/dd/yy hrs	Duration in Hrs	Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
Panyor Lower	Unit # I	5/2/23 7:00	5/2/23 16:00	9:00:00	9.00	0	F	S/D for water leakage in service seal trunnion.
		6/16/23 10:23	6/16/23 12:26	2:03:00	2.05	0.27675	F	S/D for occurrence of Red Hot spot and melting at B-phase isolator end.
		7/7/23 10:51	7/7/23 12:27	1:36:00	1.60	0	F	Abnormal noise
		1/28/24 17:35	1/28/24 18:33	0:58:00	0.97		F	Generator over voltage.
		2/1/24 9:00	2/16/24 14:32	365:32:00	365.53		P	APM works
		2/19/24 15:30	2/20/24 0:00	8:30:00	8.50		F	Oil leakage from HMC.
		3/6/24 7:00	3/10/24 7:00	96:00:00	96.00	1.215	F	S/D for replacement of up stream gate valve
				0:00:00	0.00	0		
	Unit # II	9/16/23 7:15	9/16/23 14:30	7:15:00	7.25	0	F	S/D for attending water leakage problem and replacement of gasket of pressure equalising pipe.
		1/18/24 9:18	1/26/24 14:58	197:40:00	197.67	0	P	APM works
		2/21/24 9:49	2/22/24 12:15	26:26:00	26.43	0	F	Troubleshooting, tuning, healthiness check up, calibration of EHG & HMI.
		3/6/24 7:00	3/10/24 7:00	96:00:00	96.00	1.215	F	S/D for replacement of up stream gate valve
		3/28/24 17:30	3/28/24 18:04	0:34:00	0.57		F	Delayed for MIV problem
				0:00:00	0.00	0		
Panyor Lower	Unit # III	4/2/23 21:28	4/2/23 21:59	0:31:00	0.52	0	F	LGB temp. high.
		4/11/23 7:00	4/11/23 12:45	5:45:00	5.75	0	F	S/D for replacement of the Air valve of MIV.
		5/15/23 17:45	5/15/23 19:06	1:21:00	1.35	0	F	Synchronisation delayed for Generator Circuit Breaker closing problem.
		5/21/23 9:15	5/21/23 9:46	0:31:00	0.52	0	F	Synchronising problem
		7/7/23 7:00	7/7/23 14:30	7:30:00	7.50	0	F	S/D for rectification of water leakage from pressure equilizing pipes.
		1/3/24 11:00	1/12/24 14:15	219:15:00	219.25	0	P	APM works.
		1/24/24 17:29	1/24/24 20:55	3:26:00	3.43	0	F	S/D for Guide Vane Link rod of G V no.45 broken.
		2/23/24 9:00	2/23/24 15:00	6:00:00	6.00	0	F	Troubleshooting, tuning, healthiness check up, calibration of EHG & HMI.
		3/6/24 7:00	3/10/24 7:00	96:00:00	96.00	1.215	F	S/D for replacement of up stream gate valve
				0:00:00	0.00	0	F	
					F/O	3.92175		

Date	Status of Spillage (Spilling/Not spilling)	Duration		Total
		from (hrs)	To (hrs.)	Hrs.
30-Apr-19	Not Spilling			
1-May-19	Spilling	13:35:00	20:00:00	6:25:00
2-May-19	Not Spilling			
4-May-19	Not Spilling			
5-May-19	Spilling	5:05:00	19:00:00	13:55:00
6-May-19	Not Spilling			
22-May-19	Not Spilling			
23-May-19	Spilling	16:33:00	24:00:00	7:27:00
24-May-19	Spilling	0:00:00	5:00:00	5:00:00
25-May-19	Not Spilling			
25-Jun-19	Not Spilling			
26-Jun-19	Spilling	15:45:00	22:00:00	6:15:00
27-Jun-19	Not Spilling			
6-Jul-19	Not Spilling			
7-Jul-19	Spilling	12:00:00	19:45:00	7:45:00
8-Jul-19	Spilling	13:45:00	24:00:00	10:15:00
9-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
10-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
11-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
12-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
13-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
14-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
15-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
16-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
17-Jul-19	Spilling	0:00:00	24:00:00	24:00:00
18-Jul-19	Spilling	0:00:00	14:45:00	14:45:00
19-Jul-19	Not Spilling			
21-Jul-19	Not Spilling			
22-Jul-19	Spilling	14:25:00	24:00:00	9:35:00
23-Jul-19	Spilling	00:00:00 19:05:00	05:15:00 24:00:00	10:10:00
24-Jul-19	Spilling	0:00:00	3:45:00	3:45:00
25-Jul-19	Not Spilling			
26-Jul-19	Spilling	2:30:00	11:15:00	8:45:00
27-Jul-19	Not Spilling			
31-Jul-19	Not Spilling			
1-Aug-19	Spilling	1:00:00	24:00:00	23:00:00
2-Aug-19	Spilling	0:00:00	19:30:00	19:30:00
3-Aug-19	Not Spilling			
15-Sep-19	Not Spilling			
16-Sep-19	Spilling	19:35:00	24:00:00	4:25:00
17-Sep-19	Spilling	00:00:00 21:45:00	16:30:00 24:00:00	18:45:00
18-Sep-19	Spilling	0:00:00	3:50:00	3:50:00
19-Sep-19	Not Spilling			
23-Sep-19	Not Spilling			
24-Sep-19	Spilling	10:20:00	24:00:00	13:40:00
25-Sep-19	Spilling	0:00:00	12:30:00	12:30:00
26-Sep-19	Not Spilling			
27-Sep-19	Not Spilling			





Planned & Forced Outage of RHEP units for the year 2019-20

Up-dated upto 31/03/2020

P=Planned, F= Forced

Project	From		To		Duration in Hrs	Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
	unit	Time mm/dd/yy hrs	Time mm/dd/yy hrs						
RHEP	I	4/1/19 0:00	4/28/19 22:00	670:00:00	670.00	14.5800	P	Plant S/D for MIV Disc Seal problem/replacement (S/D was from 08/02/19)
	I	5/7/19 9:30	5/8/19 15:10	29:40:00	29.67		F	S/D for Inspection and rectification of LP Cooler.
	I	5/25/19 23:00	5/26/19 23:30	0:30:00	0.50		F	Over voltage protection optd
	I	6/11/19 17:22	6/11/19 19:58	2:36:00	2.60		F	Tripped for over speed
	I	6/11/19 20:31	6/11/19 23:00	2:29:00	2.48		F	Rotor earth fault & bus diff. prot
	I	6/12/19 14:30	6/12/19 17:30	3:00:00	3.00		F	S/D for water leakage problem of service seal pipe
	I	6/17/19 12:58	6/17/19 15:55	2:57:00	2.95		F	S/D for checking of rotor earth fault.
	I	8/2/19 7:01	8/2/19 9:35	2:34:00	2.57	0.3486	F	Tripped for Generator field fail protection trip.
	I	8/13/19 11:30	8/14/19 13:28	25:58:00	25.97		F	S/D for Stator repair/Cleaning.
	I	8/23/19 9:00	8/23/19 15:30	7:30:00	7.50		F	S/D for inspection of under water parts.
	I	8/25/19 9:20	8/25/19 9:44	0:24:00	0.40		F	Generator reverse power operation.
	I	8/31/19 9:01	8/31/19 9:15	0:14:00	0.23		F	Auto tripped showing shear pin broken indication.
	I	9/3/19 10:35	9/4/19 11:00	24:25:00	24.42		F	S/D for Lub oil pump cooling problem.
	I	9/5/19 16:01	9/5/19 16:22	0:21:00	0.35		F	Over voltage.
	I	10/6/19 21:27	10/6/19 22:13	0:46:00	0.77		F	Thrust bearing temperature high.
	I	10/27/19 22:50	10/27/19 23:09	0:19:00	0.32		F	Gen. over voltage protection operated.
	I	11/27/19 18:00	11/27/19 21:00	3:00:00	3.00		F	Could not be synd for Excitation problem.
	I	1/3/20 8:00	1/12/20 20:00	227:00:00	227.00	0.0000	P	APM works
	I	2/10/20 8:03	2/19/20 13:00	220:57:00	220.95	0.0000	P	Planned S/D -U-I w.e.f. 08:03 hrs of 10/02/2020 for
	I			0:00:00	0.00		F	
	II	4/1/19 0:00	5/1/19 0:00	720:00:00	720.00	16.2000	P	Plant S/D for MIV Disc Seal problem/replacement & APM Works (S/D was from 08/02/19)
	II	5/1/19 0:00	5/1/19 15:15	15:15:00	15.25	0.0000	P	
	II	5/16/19 14:25	5/16/19 15:53	1:28:00	1.47		F	Tripped for generator over voltage
	II	7/8/19 12:07	7/8/19 13:01	0:54:00	0.90		F	S/D for Vibration testing.
	II	8/9/19 23:20	8/10/19 0:47	1:27:00	1.45		F	Tripped for Excitation problem (Excitation stage-III)
	II	8/21/19 17:00	8/21/19 17:56	0:56:00	0.93		F	Synchronisation problem.
	II	9/9/19 16:47	9/9/19 17:33	0:46:00	0.77		F	Generator Reverse power tripped.
	II	2/10/20 8:00	3/1/20 0:00	472:00:00	472.00	0.0000	P	Plant S/D for APM Works, APM & labyrinth replacement work of U-II, APM & Capital Maintenance of U-III
	II	3/1/20 0:00	3/4/20 19:00	91:00:00	91.00		P	
	II			0:00:00	0.00		F	
	III	4/1/19 0:00	4/28/19 22:00	670:00:00	670.00	14.5800	P	Plant S/D for MIV Disc Seal problem/replacement (S/D was from 08/02/19)
	III	8/9/19 23:42	8/10/19 0:00	0:18:00	0.30		F	Tripped for Generator diff. protn. Optd.
	III	9/16/19 13:53	9/16/19 15:09	1:16:00	1.27		F	Generator differential protection operated.
	III	10/10/19 9:58	10/10/19 16:44	6:46:00	6.77		F	G.T. Bucholtz tripped Phase -A.
	II	2/10/20 8:00	3/1/20 0:00	472:00:00	472.00	0.0000	P	Plant S/D for APM Works, APM & labyrinth replacement work of U-II, APM & Capital Maintenance of U-III
	II	3/1/20 0:00	3/21/20 16:03	496:03:00	496.05		P	
	II			0:00:00	0.00		F	
				Total Loss	45.7065			

Energy Generation and Loss During the Year 2019-20

Ranganadi Power Station

Month	Design Energy	Actual Generation	Loss for Forced outage	Loss for Planned outage	Loss for System Constraint	Loss for Power Regulated	Expected Generation with full monsoon/Design Energy	Loss for less inflow	Avr Inflow	Inflow on 1st Day of month	Actual Plant Availability Factor (PAF)	M/C Availability
	MU	MU	MU	MU	MU	MU	MU		Cum/sec	Cum/sec	%	%
1	2	3	4	5	6	6 B	7	8=7-3-4-5-6	9	10	11	12
Apr-19	125.49	8.4110	0.00000	45.36000	0.00000	0.67722	125.4900	71.0418	28.411	25.538	4.49	4.63
May-19	120.11	164.3830	0.00000	0.00000	0.00000	5.48584	120.1100		92.653	125.778	99.65	97.90
Jun-19	122.18	121.3100	0.00000	0.00000	0.00000	0.08926	122.1800	0.7807	65.545	55.289	100.09	99.49
Jul-19	247.43	253.7690	0.00000	0.00000	0.28430	0.49498	247.4300		188.291	51.227	101.38	99.96
Aug-19	224.97	171.8800	0.34650	0.00000	0.00000	0.00590	224.9700	52.7376	97.774	213.812	99.14	98.24
Sep-19	156.32	197.0710	0.00000	0.00000	0.00000	0.42677	156.3200		111.532	64.567	99.25	98.76
Oct-19	111.19	128.3870	0.00000	0.00000	0.00000	0.00639	111.1900		69.482	102.864	100.01	99.65
Nov-19	81.09	68.1190	0.00000	0.00000	0.00000	0.00050	81.0900	12.9705	43.318	45.428	98.92	99.86
Dec-19	88.22	49.8510	0.00000	0.00000	0.00000	0.00000	88.2200	38.3690	31.774	39.234	100.01	100.00
Jan-20	79.03	40.7390	0.00000	0.00000	0.00000	0.00001	79.0300	38.2910	19.951	19.000	89.47	89.83
Feb-20	68.76	31.9340	0.00000	0.00000	0.00000	0.01485	68.7600	36.8112	19.750	19.000	44.97	44.21
Mar-20	84.90	53.5660	0.00000	0.00000	0.00000	0.00001	84.9000	31.3340	27.763	19.722	75.68	73.70
Total	1509.69	1289.4200	0.34650	**45.36000**	**0.28430**	**7.20172**	1509.6900	**282.3358**	**66.654**		**84.73**	**84.16**

Note: 1. The expected generation (Col-7) is as per the Design energy.

2. There is no loss of generation for less inflow (Col-8) in the month of May, Jul, Sep and Oct as the actual generation is more than the Design energy.

3. Loss of Generation for Planned Shutdown is considered 4 **hrs per day for each unit in Apr'2019 for plant S/D** based on water inflow.

4. No Energy loss considred for forced outages which are during non-spilling period and water saved were utilised for further generation.



Date	Status of Spillage (Spilling/Not spilling)	Duration		Total
		from (hrs)	To (hrs.)	Hrs.
20-May-20	Not Spilling			
21-May-20	Spilling	20:55:00	24:00:00	3:05:00
22-May-20	Spilling	0:00:00	24:00:00	24:00:00
23-May-20	Spilling	0:00:00	24:00:00	24:00:00
24-May-20	Spilling	0:00:00	24:00:00	24:00:00
25-May-20	Spilling	0:00:00	24:00:00	24:00:00
26-May-20	Spilling	0:00:00	24:00:00	24:00:00
27-May-20	Spilling	0:00:00	24:00:00	24:00:00
28-May-20	Spilling	0:00:00	12:00:00	12:00:00
29-May-20	Not Spilling			
5-Jun-20	Not Spilling			
6-Jun-20	Spilling	14:30:00	20:20:00	5:50:00
7-Jun-20	Not Spilling			
17-Jun-20	Not Spilling			
18-Jun-20	Spilling	18:45:00	24:00:00	5:15:00
19-Jun-20	Spilling	0:00:00	6:00:00	6:00:00
20-Jun-20	Not Spilling			
25-Jun-20	Not Spilling			
26-Jun-20	Spilling	17:15:00	24:00:00	6:45:00
27-Jun-20	Spilling	0:00:00	24:00:00	24:00:00
28-Jun-20	Spilling	0:00:00	24:00:00	24:00:00
29-Jun-20	Spilling	0:00:00	6:30:00	6:30:00
30-Jun-20	Not Spilling			
1-Jul-20	Not Spilling			
2-Jul-20	Spilling	17:00:00	24:00:00	7:00:00
3-Jul-20	Spilling	0:00:00	2:15:00	2:15:00
4-Jul-20	Not Spilling			
9-Jul-20	Not Spilling			
10-Jul-20	Spilling	18:00:00	24:00:00	6:00:00
11-Jul-20	Spilling	0:00:00	24:00:00	24:00:00
12-Jul-20	Spilling	0:00:00	24:00:00	24:00:00
13-Jul-20	Spilling	0:00:00	15:30:00	15:30:00
14-Jul-20	Not Spilling			
19-Jul-20	Not Spilling			
20-Jul-20	Spilling	22:10:00	24:00:00	1:50:00
21-Jul-20	Spilling	0:00:00	24:00:00	24:00:00
22-Jul-20	Spilling	0:00:00	24:00:00	24:00:00
23-Jul-20	Spilling	0:00:00	6:00:00	6:00:00
24-Jul-20	Not Spilling			
27-Jul-20	Not Spilling			
28-Jul-20	Spilling	8:15:00	24:00:00	15:45:00
29-Jul-20	Spilling	0:00:00	24:00:00	24:00:00
30-Jul-20	Spilling	0:00:00	24:00:00	24:00:00
31-Jul-20	Spilling	0:00:00	24:00:00	24:00:00
1-Aug-20	Spilling	0:00:00	24:00:00	24:00:00
2-Aug-20	Spilling	0:00:00	13:00:00	13:00:00
3-Aug-20	Not Spilling			
5-Sep-20	Not Spilling			
6-Sep-20	Spilling	15:45:00	23:00:00	7:15:00
7-Sep-20	Not Spilling			
28-Feb-21	Not Spilling			
1-Mar-21	Spilling	18:00:00	24:00:00	6:00:00
2-Mar-21	Spilling	0:00:00	2:30:00	2:30:00
3-Mar-21	Not Spilling			

Planned & Forced Outage of RHEP units for the year 2020-21

Up-dated upto 31/03/2021

Project	From		To		Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
	unit	Time mm/dd/yy hrs	Time mm/dd/yy hrs	Duration in Hrs				
RHEP	I	11/5/20 16:30	11/5/20 17:20	0:50:00	0.83	0	F	Could not be synct for Governor problem
	I	1/4/21 9:00	1/12/21 15:09	198:09:00	198.00	0	P	APM.
	I	3/20/21 17:30	3/20/21 20:59	3:29:00	3.33	0	F	Delayed synchn for grid has been drawn in pare downstream
	I			0:00:00	0.00		F	
	II	5/8/20 17:30	5/8/20 19:50	2:20:00	2.33	0	F	Governor system trouble/EHG problem.
	II	5/14/20 14:32	5/14/20 15:53	1:21:00	1.35	0	F	S/D for replacement of LVDT.
	II	1/11/21 17:57	1/11/21 18:42	0:45:00	0.75	0	F	S/D for MIV problem
	II	1/15/21 18:00	1/15/21 20:24	2:24:00	2.40	0	F	Main Field Breaker problem.
	II	2/1/21 9:00	2/14/21 15:35	318:35:00	318.58	0	P	APM works
	II	3/20/21 17:15	3/20/21 20:43	3:28:00	3.47	0	F	Delayed synchn for grid has been drawn in pare downstream
	II			0:00:00	0.00		F	
	III	4/16/20 17:08	4/16/20 17:45	0:37:00	0.62	0	F	Generator Operational problem (HMI).
	III	10/10/20 16:32	10/10/20 17:40	1:08:00	1.13	0	F	Shear pin broken.
	III	10/26/20 15:53	11/8/20 23:55	344:02:00	344.03	0	F	Rotor Earth Fault.
	III	2/22/21 9:00	3/2/21 15:15	198:15:00	198.25	0	P	APM works
RHEP	III	3/12/21 9:00	3/13/21 16:30	31:30:00	31.50	0	F	S/D for inspection of underwater parts and for attending the abnormal sound of By-Pass valve.
	III	3/20/21 17:00	3/20/21 20:24	3:24:00	3.40	0	F	Delayed synchn for grid has been drawn in pare downstream
	III			0:00:00	0.00		F	

Energy Generation and Loss During the Year 2020-21

Ranganadi Power Station

Month	Design Energy	Actual Generation	Loss for Forced outage	Loss for Planned outage	Loss for System Constraint	Loss for Power Regulated/Un-schedule	Expected Generation with full monsoon/Design Energy	Loss for less inflow	Avr Inflow	Inflow on 1st Day of month	Actual Plant Availability Factor (PAF)	M/C Availability
	MU	MU	MU	MU	MU	MU	MU		Cum/sec	Cum/sec	%	%
1	2	3	4	5	6	6 B	7	8=7-3-4-5-6	9	10	11	12
Apr-20	125.49	64.5720	0.00000	0.00000	0.00000	0.00000	125.4900	60.9180	32.873	17.750	100.01	**99.97**
May-20	120.11	153.1770	0.00000	0.00000	0.00000	0.00000	120.1100		123.923	58.234	99.42	**99.83**
Jun-20	122.18	219.7490	0.00000	0.00000	0.00000	0.76786	122.1800		122.265	97.466	100.68	**100.00**
Jul-20	247.43	255.7870	0.00000	0.00000	0.00000	0.35061	247.4300		152.142	98.746	101.09	**100.00**
Aug-20	224.97	189.2130	0.00000	0.00000	0.00000	0.11863	224.9700	35.6384	97.175	186.906	100.23	**100.00**
Sep-20	156.32	174.1870	0.00000	0.00000	0.00000	1.07254	156.3200		89.814	59.233	100.12	**100.00**
Oct-20	111.19	123.3060	0.00000	0.00000	0.00000	0.16165	111.1900		64.537	83.689	92.63	**93.13**
Nov-20	81.09	59.6920	0.00000	0.00000	0.00000	0.00002	81.0900	21.3980	35.209	43.554	91.30	**91.08**
Dec-20	88.22	43.5670	0.00000	0.00000	0.00000	0.00000	88.2200	44.6530	22.111	21.694	100.01	**100.00**
Jan-21	79.03	38.2860	0.00000	0.00000	0.00000	0.00001	79.0300	40.7440	19.044	16.688	91.58	**90.99**
Feb-21	68.76	27.2150	0.00000	0.00000	0.00000	0.00000	68.7600	41.5450	15.346	17.750	74.48	**76.26**
Mar-21	84.90	50.5050	0.00000	0.00000	0.00000	0.03970	84.9000	34.3553	23.259	59.596	92.85	**96.37**
Total	1509.69	1399.2560	0.00000	**0.00000**	**0.00000**	**2.51103**	1509.6900	**279.2516**	66.7152		**95.51**	**95.77**

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Note: 1. The expected generation (Col-7) is as per the Design energy.

2. There is no loss of generation for less inflow (Col-8) in the month of May, Jun, Jul, Sep and Oct as the actual generation is more than the Design energy.

3. There is no Energy loss for Planned Shutdown (APM) as availed in lean period and the expected energy of three units are achieved by the other two available units depending upon the inflow.

4. No Energy loss considred for forced outages which are during non-spilling period and water saved were utilised for further generation.

GENERATION DATA

Date	Reservoir Water Level (M)	River Inflow (Cum/Sec)		Status of Spillage (Spilling/Not spilling)	Duration		Total
		7:00	15:10		from (hrs)	To (hrs.)	Hrs.
26-May-21	565.04	68.789	85.704	Not Spilling			
27-May-21	565.10	76.400	361.750	Spilling	10:55:00	24:00:00	13:05:00
28-May-21	566.14	103.065	96.913	Spilling	0:00:00	2:30:00	2:30:00
29-May-21	565.42	64.064	54.401	Not Spilling			
4-Jun-21	564.85	63.178	96.463	Not Spilling			
5-Jun-21	564.68	97.998	429.000	Spilling	14:10:00	24:00:00	9:50:00
6-Jun-21	567.50	200.329	200.350	Spilling	0:00:00	24:00:00	24:00:00
7-Jun-21	565.64	163.684	144.261	Spilling	0:00:00	24:00:00	24:00:00
8-Jun-21	564.98	193.563	317.990	Spilling	0:00:00	24:00:00	24:00:00
9-Jun-21	564.17	200.350	153.169	Spilling	0:00:00	10:30:00	10:30:00
10-Jun-21	564.81	118.537	103.601	Not Spilling			
7-Jul-21	565.28	68.780	59.744	Not Spilling			
8-Jul-21	566.23	170.767	122.531	Spilling	1:15:00	10:00:00	8:45:00
9-Jul-21	564.33	97.185	92.829	Not Spilling			
19-Jul-21	565.17	105.667	156.999	Not Spilling			
20-Jul-21	566.43	142.280	181.503	Spilling	9:45:00	24:00:00	14:15:00
21-Jul-21	565.99	124.626	108.777	Spilling	0:00:00	6:00:00	6:00:00
22-Jul-21	564.37	105.676	94.800	Not Spilling			
31-Jul-21	564.57	78.961	66.135	Not Spilling			
1-Aug-21	565.36	118.468	170.212	Spilling	21:40:00	24:00:00	2:20:00
2-Aug-21	565.25	149.607	131.093	Spilling	0:00:00	9:25:00	9:25:00
3-Aug-21	563.67	88.663	76.983	Not Spilling			
13-Aug-21	563.91	94.815	90.789	Not Spilling			
14-Aug-21	565.24	119.604	282.849	Spilling	11:23:00	24:00:00	12:37:00
15-Aug-21	564.95	160.391	130.370	Spilling	0:00:00	4:45:00	4:45:00
16-Aug-21	563.94	100.064	87.576	Not Spilling			
25-Aug-21	564.40	84.940	94.123	Not Spilling			
26-Aug-21	566.22	119.604	186.066	Spilling	23:10:00	24:00:00	0:50:00
27-Aug-21	567.50	334.889	266.634	Spilling	0:00:00	24:00:00	24:00:00
28-Aug-21	567.00	240.718	255.275	Spilling	0:00:00	24:00:00	24:00:00
29-Aug-21	566.62	149.198	189.556	Spilling	0:00:00	24:00:00	24:00:00
30-Aug-21	565.74	135.198	138.814	Spilling	0:00:00	7:00:00	7:00:00
31-Aug-21	565.14	144.568	148.555	Not Spilling			
1-Sep-21	563.69	120.484	230.170	Spilling	13:45:00	24:00:00	10:15:00
2-Sep-21	565.48	135.198	159.925	Spilling	00:00:00 18:30:00	02:00:00 24:00:00	7:30:00
3-Sep-21	565.86	139.419	130.370	Spilling	0:00:00	5:00:00	5:00:00
4-Sep-21	564.49	118.481	107.482	Not Spilling			
5-Sep-21	564.93	100.718	100.806	Not Spilling			
6-Sep-21	564.84	94.803	89.024	Not Spilling			
7-Sep-21	566.01	131.362	186.445	Spilling	11:42:00	21:45:00	10:03:00
8-Sep-21	565.45	147.863	141.531	Not Spilling			
16-Sep-21	565.46	101.805	83.716	Not Spilling			
17-Sep-21	564.56	84.840	87.769	Spilling	19:42:00	24:00:00	4:18:00
18-Sep-21	565.10	118.307	127.891	Spilling	0:00:00	1:00:00	1:00:00
19-Sep-21	563.90	94.814	83.567	Not Spilling			
19-Oct-21	564.91	53.250	68.817	Not Spilling			
20-Oct-21	566.16	91.135	185.328	Spilling	14:20:00	24:00:00	9:40:00
21-Oct-21	564.64	113.058	84.828	Spilling	0:00:00	1:00:00	1:00:00
22-Oct-21	564.92	57.261	59.722	Not Spilling			

Planned & Forced Outage of RHEP units for the year 2021-22

Up-dated upto 31/03/2022

Project	Unit	From		To		Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
		unit	Time mm/dd/yy hrs	Time mm/dd/yy hrs	Duration in Hrs				
RHEP	Unit # I	I	6/17/21 16:58	6/17/21 17:51	0:53:00	0.88	0.0	F	Thrust Bearing Temperature very high.
		I	6/26/21 23:03	6/27/21 18:00	18:57:00	18.95	0.0	F	Tripped & S/D for problem in Generator Circuit Breaker
		I	12/3/21 9:00	12/12/21 14:55	221:55:00	221.92	0.0	P	APM Works.
		I	12/15/21 17:00	12/15/21 19:15	2:15:00	54.00:00	0.0	F	Gas CB problem.
		I	3/22/22 0:00	3/29/22 14:15	182:15:00	4374.00:00	0.0	F	S/D for Guide Vane Servo motor problem
		I			0:00:00	0.00:00	0.0	F	
	Unit # II	II	1/3/22 9:00	1/11/22 14:00	197:00:00	4728.00:00	0.0	P	APM Works
		II	1/17/22 16:45	1/17/22 17:01	0:15:00	6.24:00	0.0	F	Delayed for synchronisation problem.
		II			0:00:00	0.00:00	0.0	F	
	Unit # III	III	4/5/21 10:30	4/6/21 13:00	26:30:00	636.00:00	0.0	F	S/D for attending leakage of L P Lub Oil Cooler problem.
		III	9/22/21 13:28	9/22/21 16:45	3:17:00	79.48:00	0.0	F	OPU problem.
		III			0:00:00	0.00:00	0.0	F	

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Energy Generation and Loss During the Year 2021-22

Ranganadi Power Station

Month	Design Energy	Actual Generation	Loss for Forced outage	Loss for Planned outage	Loss for System Constraint	Loss for Power Regulated/Un-schedule	Expected Generation with full monsoon/Design Energy	Loss for less inflow	Avr Inflow	Inflow on 1st Day of month	Actual Plant Availability Factor (PAF)	M/C Availability
	MU	MU	MU	MU	MU	MU	MU		Cum/sec	Cum/sec	%	%
1	2	3	4	5	6	6 B	7	8=7-3-4-5-6	9	10	11	12
Apr-21	83.80	43.9350	0.00000	0.00000	0.00000	0.28650	83.8000	39.5785	22.910	13.805	93.27	**98.77**
May-21	90.44	114.4060	0.00000	0.00000	0.00000	0.03832	90.4400		59.157	21.111	100.11	**100.00**
Jun-21	231.56	155.8370	0.00000	0.00000	0.00000	0.35010	231.5600	75.3729	91.414	68.789	99.14	**99.08**
Jul-21	190.02	166.0880	0.00000	0.00000	0.00000	0.06791	190.0200	23.8641	89.340	70.113	100.03	**100.00**
Aug-21	108.39	190.4860	0.00000	0.00000	0.00000	0.01925	108.3900		108.543	116.468	100.05	**100.00**
Sep-21	193.28	177.3300	0.00000	0.00000	0.00000	0.07744	193.2800	15.8726	95.684	120.484	99.26	**99.85**
Oct-21	89.99	93.7780	0.00000	0.00000	0.00000	0.04000	89.9900		49.124	53.318	98.88	**100.00**
Nov-21	65.90	51.2410	0.00000	0.00000	0.00000	0.00001	65.9000	14.6590	26.243	29.538	99.84	**100.00**
Dec-21	66.86	39.0690	0.00000	0.00000	0.00000	0.00001	66.8600	27.7910	19.979	23.667	87.91	**89.96**
Jan-22	61.85	33.6810	0.00000	0.00000	0.00000	0.00000	61.8500	28.1690	17.062	19.000	83.38	**91.16**
Feb-22	47.43	37.0950	0.00000	0.00000	0.00000	0.00000	47.4300	10.3350	24.779	15.916	94.94	**100.00**
Mar-22	64.21	51.3370	0.00000	0.00000	0.00000	0.11273	64.2100	12.7603	31.313	37.587	92.63	**91.83**
Total	1293.73	1154.2830	0.00000	**0.00000**	**0.00000**	**0.99227**	1293.7300	**248.4023**	53.1272		**95.77**	**97.51**

Note: 1. The expected generation (Col-7) is as per the Design energy.

2. There is no loss of generation for less inflow (Col-8) in the month of May, Aug and Oct as the actual generation is more than the Design energy.

3. There is no Energy loss for Planned Shutdown (APM) as availed in lean period and the expected energy of three units are achieved by the other two available units depending upon the inflow.

4. No Energy loss considred for forced outages which are during non-spilling period and water saved were utilised for further generation.

GENERATION DATA

Date	Reservoir Water Level (ft)	River Inflow (Cusec/Sec)		Status of Spillage (Spilling/Not spilling)	Duration		Total
		7:00	19:00		from (hrs)	To (hrs.)	Hrs.
1-Apr-22	585.90	148.555	181.027	Spilling	16:30:00	24:00:00	7:30:00
2-Apr-22	586.07	153.618	96.069	Spilling	0:00:00	9:50:00	9:50:00
3-Apr-22	585.22	76.691	104.549	Not Spilling			
4-Apr-22	585.90	116.431	137.292	Not Spilling			
5-Apr-22	585.23	176.026	129.864	Not Spilling			
6-Apr-22	586.23	166.085	172.253	Not Spilling			
7-Apr-22	585.10	92.098	75.456	Not Spilling			
8-Apr-22	585.05	97.432	193.002	Spilling	15:30:00	22:30:00	7:00:00
9-Apr-22	586.74	152.703	103.513	Spilling	1:55:00	8:45:00	6:47:00
10-Apr-22	584.42	77.747	68.789	Not Spilling			
11-Apr-22	586.68	101.395	60.309	Not Spilling			
12-Apr-22	585.11	61.909	46.441	Not Spilling			
13-Apr-22	584.84	48.876	38	Not Spilling			
14-Apr-22	585.14	89.399	167.79	Spilling	15:15:00	21:15:00	6:00:00
15-Apr-22	585.39	114.727	79.344	Not Spilling			
29-Apr-22	585.25	38	36.889	Not Spilling			
30-Apr-22	586.83	125.593	83.52	Spilling	1:30:00	7:45:00	6:15:00
1-May-22	586.69	86.326	72.75	Not Spilling			
12-May-22	585.66	86.844	79.996	Not Spilling			
13-May-22	585.66	92.07	69.188	Spilling	20:20:00	24:00:00	3:40:00
14-May-22	585.65	117.435	94.889	Spilling	0:00:00	24:00:00	24:00:00
15-May-22	585.65	137.867	158.313	Spilling	0:00:00	24:00:00	24:00:00
16-May-22	585.57	136.865	266.25	Spilling	0:00:00	24:00:00	24:00:00
17-May-22	586.35	200.700	139.508	Spilling	0:00:00	24:00:00	24:00:00
18-May-22	585.62	174.77	191.441	Spilling	0:00:00	23:28:00	23:28:00
19-May-22	584.23	130.019	143.504	Not Spilling			
11-Jun-22	585.10	77.123	79.997	Not Spilling			
12-Jun-22	584.82	95.808	262.417	Spilling	14:05:00	24:00:00	9:55:00
13-Jun-22	585.03	110.278	91.985	Spilling	0:00:00	5:50:00	5:55:00
14-Jun-22	584.97	50.714	61.496	Not Spilling			
15-Jun-22	585.08	168.920	233.123	Spilling	15:38:00	23:00:00	7:22:00
16-Jun-22	586.03	143.085	240.189	Spilling	11:00:00	24:00:00	13:00:00
17-Jun-22	587.42	302.226	302.871	Spilling	0:00:00	24:00:00	24:00:00
18-Jun-22	587.31	288.213	288.414	Spilling	0:00:00	24:00:00	24:00:00
19-Jun-22	587.22	217.043	196.038	Spilling	0:00:00	24:00:00	24:00:00
20-Jun-22	587.32	172.248	197.804	Spilling	0:00:00	24:00:00	24:00:00
21-Jun-22	586.80	150.398	143.861	Spilling	0:00:00	13:30:00	13:30:00
22-Jun-22	584.46	130.37	110.136	Not Spilling			
23-Jun-22	585.34	116.579	109.579	Not Spilling			
24-Jun-22	584.85	101.579	112.246	Not Spilling			
25-Jun-22	584.85	101.579	99.579	Not Spilling			
26-Jun-22	585.57	89.846	105.037	Not Spilling			
27-Jun-22	585.33	94.124	118.842	Not Spilling			
28-Jun-22	585.01	113.002	156.405	Spilling	20:32:00	24:00:00	3:28:00
29-Jun-22	586.77	141.175	168.462	Spilling	0:00:00	24:00:00	24:00:00
30-Jun-22	586.27	176.004	191.453	Spilling	0:00:00	24:00:00	24:00:00
1-Jul-22	587.67	186.148	158.819	Spilling	0:00:00	24:00:00	24:00:00
2-Jul-22	587.30	161.529	143.481	Spilling	0:00:00	16:30:00	16:30:00
3-Jul-22	585.33	102.925	108.025	Not Spilling			
30-Jul-22	586.43	71.435	61.9	Not Spilling			
31-Jul-22	585.68	68.234	184.886	Spilling	17:10:00	24:00:00	6:50:00
1-Aug-22	587.00	171.503	173.07	Spilling	0:00:00	21:15:00	21:15:00
2-Aug-22	584.73	113.87	100.456	Not Spilling			
3-Sep-22	585.90	57	123.801	Not Spilling			
4-Sep-22	585.44	111.024	227.419	Spilling	14:40:00	24:00:00	9:20:00
5-Sep-22	585.69	149.37	181.476	Spilling	00:00:00 10:00:00	00:00:00 24:00:00	9:00:00
6-Sep-22	585.69	129.257	120.147	Spilling	0:00:00	6:30:00	6:30:00
7-Sep-22	585.39	112.248	99.579	Not Spilling			
24-Sep-22	585.00	95.367	89.9	Not Spilling			
25-Sep-22	586.43	108.329	154.23	Spilling	10:05:00	20:15:00	10:10:00
26-Sep-22	584.37	86.37	77.233	Not Spilling			
24-Oct-22	585.16	40.832	43.539	Not Spilling			
25-Oct-22	587.99	349.433	374.672	Spilling	6:50:00	24:00:00	17:10:00
26-Oct-22	586.80	345.279	362.227	Spilling	0:00:00	24:00:00	24:00:00
27-Oct-22	586.68	200.369	193.791	Spilling	0:00:00	19:40:00	19:40:00
28-Oct-22	586.24	153.749	132.481	Not Spilling			

Planned & Forced Outage of PLHPS units for the year 2021-23

Up-dated upto 31/03/2023

Project	Unit	From		To		Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
		unit	Time mm/dd/yy hrs	Time mm/dd/yy hrs	Duration in Hrs				
RHEP	Unit #I	I	4/18/22 5:45	4/18/22 6:07	0:22:00	0.37	0.00	F	Starting problem
		I	4/23/22 23:23	4/24/22 5:00	0:37:00	0.62	0.00	F	Operation of PRV of C-Phase Generator Transformer.
		I	5/5/22 14:48	5/5/22 16:57	2:09:00	2.15	0.00	F	Loss of excitation &Misc prob.(ASK).
		I	8/21/22 12:30	8/21/22 18:30	6:00:00	6.00	0.00	F	S/D for replacement of oil leakage Stator Air Cooler
		I	8/21/22 18:57	8/30/22 19:33	212:36:00	212.60	0.00	F	S/D for Guide Vane problem(Link Broken
		I	9/2/22 16:27	9/2/22 16:42	0:15:00	0.25	0.00	F	Generator power sattar problem.
		I	11/4/22 14:28	11/4/22 16:05	1:37:00	1.62	0.00	F	MIV problem
		I	11/29/22 0:00	1/21/22 13:20	29:20:00	29.33	0.00	F	S/D for anti-skid painting in Bottom Bracket floor and wall
		I	1/23/23 9:00	2/2/23 13:40	244:40:00	244.67	0.00	P	APM works
		I			0:00:00	0.00		F	
	Unit #II	II	5/13/22 16:41	5/15/22 16:46	47:04:00	47.07	6.35	F	Rotor earth fault.
		II	6/26/22 16:00	6/28/22 11:25	19:65:00	19.92	0.00	F	S/D for inspection of NGT and NGR
		II	8/16/22 12:45	8/16/22 12:53	0:08:00	0.13	0.00	F	Delayed for synchronisation problem
		II	11/17/22 8:48	11/18/22 12:00	27:12:00	27.20	0.00	F	S/D for Antiskid paint in bottom bracket of floor and wall.
		II	12/19/22 8:15	12/21/22 13:00	52:45:00	52.75	0.00	F	S/D for rectification of vibration and unusual sound of 200 NB By-Pass hydraulic valve
		II	1/3/23 9:00	1/11/23 13:45	196:45:00	196.75	0.00	P	APM works
		II	1/30/23 9:10	1/30/23 12:20	3:10:00	3.17	0.00	F	S/D for replacement of R-phase PRV
		II			0:00:00	0.00		F	
	Unit #III	III	4/10/22 16:30	4/10/22 16:51	0:21:00	0.35	0.00	F	Delayed for Auto Synchroniser problem
		III	8/8/22 10:30	8/12/22 15:36	77:06:00	77.10	0.00	F	S/D for inspection and checking of brake and jack system
		III	11/11/22 8:00	11/13/22 13:00	53:00:00	53.00	0.00	F	S/D for anti-skid painting inside Generator barrel.
		III	11/16/22 8:30	11/16/22 13:00	4:30:00	4.50	0.00	F	S/D for replacement works of TWIN Moose drop conductor in Y-Phase
		III	12/1/22 8:00	12/11/22 14:15	246:15:00	246.25	0.00	P	APM works
		III	12/24/22 10:30	12/24/22 21:55	11:25:00	11.42	0.00	F	S/D for replacement of Rotor D.C. lead and support block of UnitHII.
		III	3/3/23 9:30	3/3/23 15:24	5:54:00	5.90	0.00	F	S/D for replacement of Generator Stator Air Cooler.
		III			0:00:00	0.00	0.00	F	

Energy Generation and Loss During the Year 2022-23

Ranganadi Power Station

Month	Design Energy	Actual Generation	Loss for Forced outage	Loss for Planned outage	Loss for System Constraint	Loss for Power Regulated/Un-schedule	Expected Generation with full monsoon/Design Energy	Loss for less inflow	Avr Inflow	Inflow on 1st Day of month	Actual Plant Availability Factor (PAF)	M/C Availability
	MU	MU	MU	MU	MU	MU	MU		Cum/sec	Cum/sec	%	%
1	2	3	4	5	6	6 B	7	8=7-3-4-5-6	9	10	11	12
Apr-22	83.80	145.8700	0.00000	0.00000	0.00000	0.88298	83.8000		82.406	148.555	100.19	**99.94**
May-22	90.44	162.3700	6.35400	0.00000	0.01275	0.75418	90.4400		92.569	86.326	96.95	**97.04**
Jun-22	231.56	192.5150	0.00000	0.00000	0.12300	0.77995	231.5600	38.1421	112.007	48.633	100.51	**99.90**
Jul-22	190.02	151.7280	0.00000	0.00000	0.00000	0.57193	190.0200	37.7201	81.272	186.146	100.13	**100.00**
Aug-22	108.39	140.2860	0.00000	0.00000	0.00000	0.47163	108.3900		73.998	171.573	87.40	**86.74**
Sep-22	193.28	144.5370	0.00000	0.00000	0.00000	2.05072	193.2800	46.6923	72.889	88.593	100.13	**99.99**
Oct-22	89.99	169.9000	0.00000	0.00000	0.00000	0.29160	89.9900		99.358	44.000	100.20	**100.00**
Nov-22	65.90	83.4840	0.00000	0.00000	0.00000	0.00001	65.9000		49.032	78.468	95.66	**94.65**
Dec-22	66.86	51.7860	0.00000	0.00000	0.00000	0.00000	66.8600	15.0740	27.203	32.901	86.31	**86.09**
Jan-23	61.85	39.1250	0.00000	0.00000	0.00000	0.00001	61.8500	22.7250	20.481	23.222	82.10	**81.77**
Feb-23	47.43	37.3190	0.00000	0.00000	0.00000	0.00000	47.4300	10.1110	21.609	19.786	97.38	**98.13**
Mar-23	64.21	57.3590	0.00000	0.00000	0.00000	0.14394	64.2100	6.7071	32.154	32.358	100.01	**99.74**
Total	1293.73	1376.2790	6.35400	**0.00000**	**0.13575**	**5.94694**	1293.7300	**177.1715**	63.9265		**95.53**	**95.27**

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Note:
1. The expected generation (Col-7) is as per the Design energy.
2. There is no loss of generation for less inflow (Col-8) in the month of Apr, May, Aug, Oct & Nov as the actual generation including loss is more than the Design energy.
3. There is no Energy loss for Planned Shutdown (APM) as availed in lean period and the expected energy of three units are achieved by the other two available units depending upon the inflow.
4. No Energy loss considred for forced outages which are during non-spilling period and water saved were utilised for further generation.
5. In this year Total Actual Gen is more than Design Energy

GENERATION DATA

Date	Reservoir Water Level (M)	River Inflow (Cum/Sec)		Status of Spillage (Spilling/Not spilling)	Duration		Total
		7:00	15:00		from (hrs)	To (hrs.)	Hrs.
15-Jun-23	564.90	116.954	121.135	Not Spilling			
16-Jun-23	566.63	150.667	333.347	Spilling	12:12:00	24:00:00	11:48:00
17-Jun-23	566.52	188.146	180.453	Spilling	0:00:00	24:00:00	24:00:00
18-Jun-23	565.64	142.888	125.086	Spilling	0:00:00	5:30:00	5:30:00
19-Jun-23	566.57	125.333	111.704	Not Spilling			
20-Jun-23	567.03	137.419	118.899	Not Spilling			
21-Jun-23	568.08	281.397	292.975	Spilling	6:45:00	24:00:00	17:15:00
22-Jun-23	568.10	192.641	182.416	Spilling	0:00:00	24:00:00	24:00:00
23-Jun-23	568.11	207.166	143.253	Spilling	0:00:00	10:45:00	10:45:00
24-Jun-23	565.52	111.364	108.302	Not Spilling			
12-Jul-23	565.68	119.676	262.057	Not Spilling			
13-Jul-23	567.46	202.972	166.75	Spilling	12:17:00	20:20:00	8:03:00
14-Jul-23	567.04	112.919	107.036	Not Spilling			
15-Jul-23	566.04	101.097	95.086	Not Spilling			
16-Jul-23	565.76	94.298	86.913	Not Spilling			
17-Jul-23	567.37	165.055	285.916	Spilling	12:10:00	22:46:00	10:36:00
18-Jul-23	567.87	147.361	121.305	Not Spilling			
28-Jul-23	565.84	146.802	125.068	Not Spilling			
29-Jul-23	566.54	288.666	191.5	Spilling	2:15:00	20:38:00	18:23:00
30-Jul-23	567.94	148.308	124.611	Not Spilling			
21-Aug-23	565.37	73.4	71.456	Not Spilling			
22-Aug-23	566.35	96.246	333.585	Spilling	13:14:00	24:00:00	10:46:00
23-Aug-23	568.70	180.5	124.222	Spilling	0:00:00	19:35:00	19:35:00
24-Aug-23	566.66	106.764	144.592	Not Spilling			
25-Aug-23	565.98	145.846	117.537	Not Spilling			
26-Aug-23	566.19	121.382	135.037	Spilling	6:30:00	24:00:00	17:30:00
27-Aug-23	568.47	183.585	193.518	Spilling	0:00:00	24:00:00	24:00:00
28-Aug-23	568.24	157.666	259.077	Spilling	0:00:00	24:00:00	24:00:00
29-Aug-23	568.54	166.726	164.666	Spilling	0:00:00	24:00:00	24:00:00
30-Aug-23	567.58	128.647	130.419	Spilling	0:00:00	7:30:00	7:30:00
31-Aug-23	566.30	119.58	115.203	Not Spilling			

Planned & Forced Outage of PLHPS units for the year 2023-24

Up-dated upto 31/03/2024

Project	Unit	From		To		Duration in Hrs	Loss Considering Inflow (MU)	Outage type	Reasons
		unit	Time mm/dd/yy hrs	Time mm/dd/yy hrs	Duration in Hrs				
Panyor Lower	Unit # I	I	5/2/23 7:00	5/2/23 16:00	9:00:00	9.00	0	F	S/D for water leakage in service seal trunnion.
		I	6/19/23 10:23	6/19/23 12:28	2:05:00	2.05	0.27675	F	S/D for occurrence of Red Hot spot and melting of B-phase isolator end.
		I	7/7/23 10:51	7/7/23 12:27	1:36:00	1.60	0	F	Abnormal noise
		I	1/28/24 17:35	1/28/24 18:33	0:58:00	0.97		F	Generator over voltage.
		I	2/1/24 9:03	2/16/24 14:32	365:32:00	365.53		P	APM works
		I	2/19/24 15:30	2/20/24 0:00	8:30:00	8.50		F	Oil leakage from HMC.
		I	3/6/24 7:00	3/10/24 7:00	96:00:00	96.00	1.215	F	S/D for replacement of up stream gate valve
		I			0:00:00	0.00	0		
	Unit # II	II	9/19/23 7:15	9/16/23 14:50	7:15:00	7.25	0	F	S/D for attending water leakage problem and replacement of gasket of pressure equalising pipe.
		II	1/19/24 9:16	1/26/24 14:58	197:42:00	197.67	0	P	APM works
		II	2/21/24 9:48	2/22/24 12:15	26:26:00	26.43	0	F	Troubleshooting, tuning, healthiness check up, calibration of EHG & HMI.
		II	3/6/24 7:00	3/10/24 7:00	96:00:00	96.00	1.215	F	S/D for replacement of up stream gate valve
		II	3/28/24 17:30	3/28/24 18:04	0:34:00	0.57		F	Delayed for MIV problem
		II			0:00:00	0.00	0		
Panyor Lower	Unit # III	III	4/2/23 21:28	4/2/23 21:59	0:31:00	0.52	0	F	LGB temp. high.
		III	4/11/23 7:00	4/11/23 12:46	5:46:00	5.75	0	F	S/D for replacement of the Air valve of MIV.
		III	5/15/23 17:45	5/15/23 19:06	1:21:00	1.35	0	F	Synchronisation delayed for Generator Circuit Breaker closing problem.
		III	5/21/23 9:15	5/21/23 9:46	0:31:00	0.52	0	F	Synchronising problem
		III	7/7/23 7:00	7/7/23 14:30	7:30:00	7.50	0	F	S/D for rectification of water leakage from pressure equilising pipes.
		III	1/3/24 11:00	1/12/24 14:15	219:15:00	219.25	0	P	APM works.
		III	1/24/24 17:29	1/24/24 20:55	3:26:00	3.43	0	F	S/D for Guide Vane Link rod of G V no.4B broker.
		III	2/23/24 9:00	2/23/24 15:00	6:00:00	6.00	0	F	Troubleshooting, tuning, healthiness check up, calibration of EHG & HMI.
		III	3/6/24 7:00	3/10/24 7:00	96:00:00	96.00	1.215	F	S/D for replacement of up stream gate valve
		III			0:00:00	0.00	0	F	
						FID	3.92175		

Energy Generation and Loss During the Year 2023-24

Panyor Lower Hydro Power Station

Month	Design Energy	Actual Generation	Loss for Forced outage	Loss for Planned outage	Loss for System Constraint	Loss for Power Regulated/Un-schedule	Expected Generation with full monsoon/Design Energy	Loss for less inflow	Avr Inflow	Inflow on 1st Day of month	Actual Plant Availability Factor (PAF)	M/C Availability
	MU	MU	MU	MU	MU	MU	MU		Cum/sec	Cum/sec	%	%
1	2	3	4	5	6	6 B	7	8=7-3-4-5-6	9	10	11	12
Apr-23	83.80	67.8780	0.00000	0.00000	0.00000	0.16443	83.8000	15.7576	30.210	36.083	99.42	**99.71**
May-23	90.44	76.0940	0.00000	0.00000	0.00000	0.00001	90.4400	14.3460	91.424	151.608	100.01	**99.51**
Jun-23	231.56	160.4110	0.27675	0.00000	0.00000	0.57316	231.5600	70.2991	68.394	52.125	100.44	**99.91**
Jul-23	190.02	194.6160	0.00000	0.00000	0.00000	0.59783	190.0200		194.613	80.036	100.24	**99.59**
Aug-23	108.39	221.4390	0.00000	0.00000	0.00000	0.64140	108.3900		91.013	192.244	100.33	**100.00**
Sep-23	193.28	125.2760	0.00000	0.00000	0.00000	0.48302	193.2800	67.5210	109.619	55.700	100.01	**99.66**
Oct-23	89.99	115.9020	0.00000	0.00000	0.00000	0.50258	89.9900		67.502	100.119	100.00	**100.00**
Nov-23	65.90	51.1160	0.00000	0.00000	0.00000	0.00001	65.9000	14.7840	36.997	43.098	100.00	**100.00**
Dec-23	66.86	38.9770	0.00000	0.00000	0.00000	0.00441	66.8600	27.8788	26.329	33.048	98.68	**100.00**
Jan-24	61.85	31.7000	0.00000	0.00000	0.00000	0.03182	61.8500	30.1182	20.512	19.628	75.27	**81.12**
Feb-24	47.43	36.6140	0.00000	0.00000	0.00000	0.03183	47.4300	10.7842	20.765	20.530	74.80	**80.53**
Mar-24	64.21	57.3520	3.64500	0.00000	0.00000	0.00797	64.2100	3.2050	26.981	22.534	86.20	**87.07**
Total	1293.73	1177.3750	3.92175	**0.00000**	**0.00000**	**3.03846**	1293.7300	**254.6936**	**65.65**		**94.67**	**95.63**

244

183

Note: 1. The expected generation (Col-7) is as per the Design energy.

2. There is no loss of generation for less inflow (Col-8) in the month of Jul, Aug and Oct as the actual generation is more than the Design energy.

3. There is no Energy loss for Planned Shutdown (APM) as availed in lean period and the expected energy of three units are achieved by the other two available units depending upon the inflow.

4. No Energy loss considred for forced outages which are during non-spilling period and water saved were utilised for further generation.

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

NEEPCO/ED(Comm)/APDCL/2024-25/65 Dated: 30/04/2024

To,

The Chief General Manager (F & A)
Assam Power Distribution Company Ltd, Bijulee Bhawan,
Paltan Bazar,
GUWAHATI-781001

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- Bill No. NEEPCO/ASSA/2023-2024/1302/SUPP/01Dated 30/04/2024.

Dear Sir,

Enclosed please find herewith shortfall energy bill for Rs. 40,59,45,657.00 (Rupees Forty Crore Fifty Nine Lakh Forty Five Thousand Six Hundred Fifty Seven Only) calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.
Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For NEEPCO LTD. Shillong

Authorised Signatory

NEEPCO/ED(Comm)/APDCL/2024-25/ Dated: 30/04/2024

COPY FOR INFORMATION FORWARDED TO: -

1. *General Manager(Comm) Tariff, Assam Power Distribution Company Ltd, Bijulee Bhawan Paltan Bazar, Guwahati-781001*

Authorised Signatory

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/ASSA/2024-2025/1100/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
Other Ref :

From :
RANGANADI HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.,
YAZALI, ARUNACHAL PRADESH.
GST IN/UIN : 12AAACN9991J4Z0

To :
The Chief General Manager (F & A)
Assam Power Distribution Company Ltd,
Bijulee Bhawan,
Paltan Bazar,
GUWAHATI-781001
GST IN/UIN : 18AABCL1354J1ZJ

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2021-22	27160000	0%	37447637		1.343	50292176.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	26824577		1.403	37634882.00
	TOTAL						87927058.00

Total Amount Payable : 87927058.00

Amount Payable (in words) : Rupees Eight Crore SeventyNine Lakh TwentySeven Thousand FiftyEight Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED, Comml:NEEPCO Ltd
Shillong
Authorised Signatory

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/ASSA/2024-2025/1600/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-APR-24
Bill Ref :
Other Ref :

From :
DOYANG HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION LtD.,
WOKHA DISTRICT, NAGALAND
GST IN/UIN : 13AAACN9991J1Z1

To :
The Chief General Manager (F & A)
Assam Power Distribution Company Ltd,
Bijulee Bhawan,
Paltan Bazar.
GUWAHATI-781001
GST IN/UIN : 18AABCL1354J1ZJ

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in Kwh)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2019-20	27160000	0%	2648481		3.077	8149376.00
	b) Shortfall of Energy FY 2021-22	27160000	0%	39863703		3.265	130154980.00
	c) Shortfall of Energy FY 2022-23	27160000	0%	3411431		3.375	11513580.00
	d) Shortfall of Energy FY 2023-24	27160000	0%	16278820		3.486	56747967.00
	TOTAL						206565913.00

Total Amount Payable : 206565913.00

Amount Payable (in words) : Rupees Twenty Crore SixtyFive Lakh SixtyFive Thousand Nine Hundred Thirteen Only

E & OE

For NEEPCO Limited

Authorised Signatory

कारपोरेट कार्यालय : ब्रुकलैंड कम्पाउण्ड, लौअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 ❑ फैक्स नं./Fax No. : 0364-2225035
वेबसाइट/Website : www.neepco.com ❑ ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U40108ML1976GOI001658

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No NEEPCO/ASSA/2024-2025/1400/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
REA Letter No :

From :
KAMENG HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
KIMI WEST KAMENG DISTRICT, ARUNACHAL PRADESH, 790114.
GST IN/UIN : 12AAACN9991J3Z1

To :
The Chief General Manager (F & A)
Assam Power Distribution Company Ltd,
Bijulee Bhawan,
Paltan Bazar,
GUWAHATI-781001
GST IN/UIN : 18AABCL1354J1ZJ

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (In KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
1	Sale of Electricity :-						
	a) Shortfall of Energy FY 2021-22	27160000	0%	14678505		2.000	29357010.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	41047838		2.000	82095676.00
	TOTAL						111452686.00

Total Amount Payable :	11,14,52,686.00
Amount Payable (in words) :	Rupees Eleven Crore Fourteen Lakh FiftyTwo Thousand Six Hundred EightySix Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED (Comml.) NEEPCO Ltd
Shillong

Authorised Signatory

कारपोरेट कार्यालय : ब्रुकलैंड कम्पाउण्ड, लोअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 ❑ फैक्स नं./Fax No. : 0364-2225035
वेबसाइट/Website : www.neepco.com ❑ ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U40101ML1976GOI001658

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

NEEPCO/ED(Comm)/ArP/2024-25/ 63 Dated: 30/04/2024.

To

Executive Engineer (IT)
Department of Power
Govt. of Arunachal Pradesh
Arunachal Pradesh, Itanagar,
PIN: 791 111.

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- Bill No. NEEPCO/ARUN/2023-2024/1302/SUPP/01Dated 30/04/2024.

Dear Sir,

Enclosed please find herewith shortfall energy bill for Rs. 6,42,89,417.00 **(Rupees Six Crore Forty Two Lakh Eighty Nine Thousand Four Hundred Seventeen Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.
Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong**

Authorised Signatory

NEEPCO/ED(Comm)/ArP/2024-25/ **Dated: 30/04/2024.**

COPY FOR INFORMATION FORWARDED TO: -

1. Executive Engineer (Electrical), Capital Electrical Division, Deptt. Of power, C-Sector, Itanagar-791111, A. Pradesh.

Authorised Signator

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/ARUN/2024-2025/1100/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
Other Ref :

From :
RANGANADI HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
YAZALI, ARUNACHAL PRADESH.
GST IN/UIN : 12AAACN9991J4Z0

To :
Executive Engineer (IT)
Department of Power ,
Govt. of Arunachal Pradesh,
Itanagar, Arunachal Pradesh - 793111.
GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2021-22	27160000	0%	5584994		1.343	7500647.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	4000666		1.403	5612920.00
	TOTAL						13113567.00

Total Amount Payable : 13113567.00

Amount Payable (in words) : Rupees One Crore ThirtyOne Lakh Thirteen Thousand Five Hundred SixtySeven Only

E & OE

For NEEPCO Limited
Accounts Officer
O/OED (Comml) NEEPCO Ltd
Shillong
Authorised Signatory

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/ARUN/2024-2025/1600/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref :
Other Ref :

From :
DOYANG HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
WOKHA DISTRICT, NAGALAND
GST IN/UIN : 13AAACN9991J1Z1

To :
Executive Engineer (IT)
Department of Power ,
Govt. of Arunachal Pradesh,
Itanagar, Arunachal Pradesh - 793111.
GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (In Kwh)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2019-20	27160000	0%	414248		3.077	1274641.00
	b) Shortfall of Energy FY 2021-22	27160000	0%	6235073		3.265	20357513.00
	c) Shortfall of Energy FY 2022-23	27160000	0%	533581		3.375	1800836.00
	d) Shortfall of Energy FY 2023-24	27160000	0%	2546167		3.486	8875938.00
	TOTAL						32308928.00

Total Amount Payable : 32308928.00

Amount Payable (in words) : Rupees Three Crore TwentyThree Lakh Eight Thousand Nine Hundred TwentyEight Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Authorised Signatory
Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/ARUN/2024-2025/1400/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
REA Letter No :

From :	To :
KAMENG HYDRO ELECTRIC PROJECT NORTH EASTERN ELECTRIC POWER CORPORATION Ltd., KIMI WEST KAMENG DISTRICT, ARUNACHAL PRADESH, 790114. GST IN/UIN : 12AAACN9991J3Z1	Executive Engineer (IT) Department of Power , Govt. of Arunachal Pradesh, Itanagar, Arunachal Pradesh - 793111. GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
1	Sale of Electricity :-						
	a) Shortfall of Energy FY 2021-22	27160000	0%	2484805		2.000	4969610.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	6948658		2.000	13897312.00
	TOTAL						18866922.00

Total Amount Payable :	1,88,66,922.00
Amount Payable (in words) :	Rupees One Crore EightyEight Lakh SixtySix Thousand Nine Hundred TwentyTwo Only

E & OE

For NEEPCO Limited

Accounts Officer
Authorised Signatory
O/OED (Comm) NEEPCO Ltd
Shillong

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

No. NEEPCO/Comml./F-100/2024-25/ 73 **Date: 30/04/2024.**

To,

Chief Engineer (RA & PM),
Chhattisgarh State Power Distribution Company Limited (CSPDCL),
Chhattisgargh, 4th Floor, Vidyut Sewa Bhawan,
Dangania (CSEB), Raipur,
Chhattisgargh - 492013.

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- **Bill No. NEEPCO/CHAT/2024-2025/1400/SHRTFL/01 Dated 30/04/2024.**

Dear Sir,

Enclosed please find herewith shortfall energy bill for **Rs. 2,22,82,308.00 (Rupees Two Crore Twenty Two Lakh Eighty Two Thousand Three Hundred Eight Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.
Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong**

Authorised Signatory.

Chief General Manager (C)
मुख्य महाप्रबंधक (वाणिज्यिक)
Ofg Executive Director (Comml)
कार्यपालक निदेशक (वाणिज्यिक)
NEEPCO Ltd., Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No NEEPCO/CHAT/2024-2025/1400/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
REA Letter No :

From :
KAMENG HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION LtD.,
KIMI WEST KAMENG DISTRICT, ARUNACHAL PRADESH, 790114.
GST IN/UIN : 12AAACN9991J3Z1

To :
Chief Engineer (RA & PM),
Chhattisgarh State Power Distribution Company Limited (CSPDCL),
Chhattisgargh, 4th Floor, Vidyut Sewa Bhawan,
Dangania (CSEB), Raipur,
Chhattisgargh - 492013. Email cecomcseb@rediffmail.com
GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (In KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
1	Sale of Electricity :-						
	a) Shortfall of Energy FY 2021-22	27160000	0%	2934617		2.000	5869234.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	8206537		2.000	16413074.00
	TOTAL						22282308.00

Total Amount Payable :	2,22,82,308.00
Amount Payable (In words) :	Rupees Two Crore TwentyTwo Lakh EightyTwo Thousand Three Hundred Eight Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED (Commercial), NEEPCO Ltd
Shillong

कारपोरेट कार्यालय : ब्रुकलैंड कम्पाउण्ड, लोअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 ❑ फैक्स नं /Fax No. : 0364-2225035
वेबसाइट/Website : www.neepco.com ❑ ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U4010ML1976GOI001658

R. Pal & Co.
Chartered Accountants

Membership No. - 511518
Firm Registration No. - 327411E
Office: Umpyru Complex, Quarter Road, Shillong, Pin - 793001, Meghalaya ☎ 0364-2224321, E-mail -

To

The Director[Finance]
NEEPCO Ltd.
Shillong

Subject: - Certification for recoverable amount on account of shortfall in energy charges.

We have examined the attached statement in Annexure-I of recoverable amount on account of shortfall in energy charges due to reasons beyond the control of the generating stations of NEEPCO with the records produced before us. We have found that the same has been prepared in accordance with the provisions of the CERC (Tariff) Regulations 2024 notified on 15th March 2024. We have found that: -

1) The attached statement has been prepared based on CERC Tariff Regulations 2024 clause 6(6)(7&8) which inter-alia allows the recovery of shortfall in energy charges (Difference between Saleable Design Energy and Saleable Scheduled Energy), during the tariff period 2019-24, for reasons beyond the control of the generating stations, after adjusting the DSM, directly from the beneficiaries in the immediate following year in six equal interest free monthly instalments subject to truing up at the end of the tariff period.

2) That the calculation of recovery of shortfall of energy charges has been made on the basis of the methodology prescribed by the CERC in its order dated 20.01.2024 on various petitions of NHPC for recovery of shortfall of energy charges of hydro stations.

For R. Pal & Co
Chartered Accountants

(RANADHIR PAL)
Proprietor
FRN: - 327411E
Membership No-514234

Place: Guwahati
Date: - 25.04.2024

UDIN: 24514234BKMH146788

Station wise break up of recoverable shortfall of energy in Rs Cr

Station	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Xamcos			8.17		22.66	31.03
Tarial	16.53	20.64	25.36	10.28	29.28	102.07
PLHPS/Ranganadi			10.21		7.64	17.86
Doyang	1.64	0.00	26.15	2.31	11.40	41.49
Grand Total	18.17	20.64	69.88	12.59	71.18	192.46

SUMMARY OF SHORTFALL OF ENERGY FOR THE PERIOD 2019-24

Beneficiaries	TUIRIAL	PANYOR	DOYANG	KAMENG	TOTAL
Ar.Pradesh	0.00	13113567.00	32308928.00	18866922.00	64289417.00
ASEB	0.00	87927058.00	206565913.00	111452686.00	405945657.00
Manipur	0.00	16991627.00	37085486.00	0.00	54077113.00
MeSEB	0.00	23347507.00	54013251.00	25718268.00	103079026.00
Mizoram	1020707719.00	11567214.00	24755092.00	0.00	1057030025.00
Nagaland	0.00	10826507.00	28135925.00	15430960.00	54393392.00
Tripura	0.00	14808062.00	32077883.00		46885945.00
CSPDCL	0			22282308.00	22282308.00
UPPC	0			94303744.00	94303744.00
HPPC	0			22282308.00	22282308.00
	1020707719.00	178581542.00	414942478.00	310337196.00	1924568935.00

30/4/24

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Shillong

ENERGY SHORTFALL BEYOND CONTROL OF THE GENERATING STATION				
Name of the station:-**Kameng**	Unit	Year		
	Mu	2021-22	2022-23	2023-24
Maximum possible generation wrt to ava	MU	3,203.35	3,545.93	3,016.71
Design energy	MU	3,353.00	3,353.00	3,353.00
Shortfall/Excess		149.65	-192.93	336.29
Energy Loss Due To Silt Flushing	MU		0.00	0.00
Energy Loss Due To High Silt	MU		0.00	0.00
Energy Loss Due To Transmission Constra	MU		0.00	0.00
Less Schedule & URL less trading quantur	MU	4.32	3.13	2.34
Total	MU	153.98	-189.80	338.63
Ex bus energy	MU	134.14		295.01
DSM energy	MU	36.83		22.88
Net energy	MU	97.31		272.13
ECR	Rs/KwH	2.00		2.00
Net amount	Rs Cr.	8.17		22.86

30/1/24

Chief General Manager (E)
मुख्य महाप्रबंधक (तकनीकी) एवं कार्यकारी
Cum Executive Director (Comml)
नीपको लि., शिलांग
NEEPCO Ltd., Shillong

SUPPLEMENTARY BILL AGAINST KAMENG HYDRO ELECTRIC POWER PLANT DUE TO SHORTFALL OF ENERGY, for the year 2021-22

Beneficiaries	Original Share Allocation	Free Power	Share Allocation After Adjustment of Free Power	Saleable Sch Energy (Kwh)	ECR	Amount
Ar.Pradesh	13.834	12	2.564	2484805	2.000	4969610.00
ASEB	10.834		15.144	14678505	2.000	29357011.00
MeSEB	2.500		3.494	3387139	2.000	6774278.00
Nagaland	1.500		2.097	2032283	2.000	4064567.00
CSPDCL	2.166		3.028	2934617	2.000	5869234.00
UPPC	9.167		12.814	12419961	2.000	24839922.00
HPPC	2.166		3.028	2934617	2.000	5869234.00
	42.17	**12.00**	**42.17**	**40871928.3**		**81743856.00**

SUPPLEMENTARY BILL AGAINST KAMENG HYDRO ELECTRIC POWER PLANT DUE TO SHORTFALL OF ENERGY, for the year 2023-24

Beneficiaries	Original Share Allocation	Free Power	Share Allocation After Adjustment of Free Power	Saleable Sch Energy (KwH)	ECR	Amount
Ar.Pradesh	13.834	12	2.564	5948656	2.000	13897311.00
ASEB	10.834		15.144	41047838	2.000	82095675.00
MeSEB	2.500		3.494	9471995	2.000	18943990.00
Nagaland	1.500		2.097	5683197	2.000	11366394.00
CSPDCL	2.166		3.028	8206537	2.000	16413073.00
UPPC	9.167		12.814	34731911	2.000	69463823.00
HPPC	2.166		3.028	8206537	2.000	16413073.00
	42.17	**12.00**	**42.17**	**114296670**		**228593339.00**

Accounts Officer
O/OED (Commi) NEEPCO Ltd
Shillong

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

No. NEEPCO/Comml./F-98/2024-25/ 75 **Date: 30/04/2024.**

To,

The Chief Engineer,
M/S Uttar Haryana Bill Vintan Nigam Ltd.,
Plot No: IP – 3 & 4,
Sector-14, Panchkula - 134109,

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- **Bill No. NEEPCO/HARY/2024-2025/1400/SHRTFL/01 Dated 30/04/2024.**

Dear Sir,

Enclosed please find herewith shortfall energy bill for **Rs. 2,22,82,308.00 (Rupees Two Crore Twenty-Two Lakh Eighty-Two Thousand Three Hundred Eight Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.
Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong**

30/4/24

Authorised Signatory.

Chief Executive Director (Comml)
नेएपको लि., शिलांग
NEEPCO Ltd., Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No NEEPCO/HARY/2024-2025/1400/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
REA Letter No :

From :
KAMENG HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
KIMI WEST KAMENG DISTRICT, ARUNACHAL PRADESH. 790114.
GST IN/UIN : 12AAACN9991J3Z1

To :
The Chief Engineer,
Haryana Power Purchase Centre (HPPC),
Room No. 305, Shakti Bhawan, 2nd Floor,
Sector-6, Panchkula - 134109,
Email : cehppc@uhbvn.org.in/cehppc@gmail.com.
GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (In KwH)	Capacity Charge (In Rs)	Rate/ %	Amount
1	Sale of Electricity :-						
	a) Shortfall of Energy FY 2021-22	27160000	0%	2934617		2.000	5869234.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	8206537		2.000	16413074.00
	TOTAL						22282308.00

Total Amount Payable :	2,22,82,308.00
Amount Payable (in words) :	Rupees Two Crore TwentyTwo Lakh EightyTwo Thousand Three Hundred Eight Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED (Commercial), NEEPCO Ltd
Shillong

R.Pal & Co.
Chartered Accountants

Membership No-54234
Firm Registration No- 327143E
[illegible] ☎ [illegible] E-mail
casudhirpal@gmail.com

To

The Director(Finance)
NEEPCO Ltd.
Shillong

Subject: - Certification for recoverable amount on account of shortfall in energy charges.

We have examined the attached statement in Annexure I of recoverable amount on account of shortfall in energy charges due to reasons beyond the control of the generating stations of NEEPCO with the records produced before us. We have found that the same has been prepared in accordance with the provisions of the CERC (Tariff) Regulations 2024 notified on 15th March 2024. We have found that: -

1) The attached statement has been prepared based on CERC Tariff Regulations 2024 clause 65(7&8) which inter-alia allows the recovery of shortfall in energy charges (Difference between Saleable Design Energy and Saleable Scheduled Energy), during the tariff period 2019-24, for reasons beyond the control of the generating stations, after adjusting the DSM, directly from the beneficiaries in the immediate following year in six equal interest free monthly instalments subject to truing up at the end of the tariff period.

2) That the calculation of recovery of shortfall of energy charges has been made on the basis of the methodology prescribed by the CERC in its order dated 20.01.2024 on various petitions of NHPC for recovery of shortfall of energy charges of hydro stations.

For R. Pal & Co.
Chartered Accountants

(RANADHIR PAL)
Proprietor
FRN: - 327143E
Membership No-54234

Place: Guwahati
Date: - 25.04.2024

UDIN: 24054234BKBEU6788

Station wise break up of recoverable shortfall of energy in Rs Cr

Station	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Kameng			8.17		22.86	31.03
Turial	16.53	20.64	25.34	10.28	29.28	102.07
PHPs/Ranganadi			10.31		7.64	17.86
Doyang	1.64	0.00	26.15	2.11	11.40	41.49
Grand Total	18.17	20.64	69.86	12.39	71.18	192.46

SUMMARY OF SHORTFALL OF ENERGY FOR THE PERIOD 2019-24

Beneficiaries	TUIRIAL	PANYOR	DOYANG	KAMENG	TOTAL
Ar.Pradesh	0.00	13113567.00	32308928.00	18866922.00	**64289417.00**
ASEB	0.00	87927058.00	206565913.00	111452686.00	**405945657.00**
Manipur	0.00	16991627.00	37085486.00	0.00	**54077113.00**
MeSEB	0.00	23347507.00	54013251.00	25718268.00	**103079026.00**
Mizoram	1020707719.00	11567214.00	24755092.00	0.00	**1057030025.00**
Nagaland	0.00	10826507.00	28135925.00	15430960.00	**54393392.00**
Tripura	0.00	14808062.00	32077883.00		**46885945.00**
CSPDCL	0			22282308.00	**22282308.00**
UPPC	0			94303744.00	**94303744.00**
HPPC	0			22282308.00	**22282308.00**
	1020707719.00	**178581542.00**	**414942478.00**	**310337196.00**	**1924568935.00**

30/1/24
Accounts Officer
O/OED (Comml) NEEPCO Ltd
Shillong

ENERGY SHORTFALL BEYOND CONTROL OF THE GENERATING STATION				
Name of the station:-**Kameng**	Unit	Year		
	Mu	2021-22	2022-23	2023-24
Maximum possible generation wrt to ava	MU	3,203.35	3,545.93	3,016.71
Design energy	MU	3,353.00	3,353.00	3,353.00
Shortfall/Excess		149.65	-192.93	336.29
Energy Loss Due To Silt Flushing	MU		0.00	0.00
Energy Loss Due To High Silt	MU		0.00	0.00
Energy Loss Due To Transmission Constra	MU		0.00	0.00
Less Schedule & URL less trading quantur	MU	4.32	3.13	2.34
Total	MU	153.98	-189.80	338.63
Ex bus energy	MU	134.14		295.01
DSM energy	MU	36.83		22.88
Net energy	MU	97.31		272.13
ECR	Rs/KwH	2.00		2.00
Net amount	Rs Cr.	8.17		22.86

30/7/24

Chief General Manager (I.)
मुख्य महाप्रबंधक (वाणिज्यिक) का कार्यालय
O/o Executive Director (Comml)
नीपको लि., शिलांग
NEEPCO Ltd., Shillong

SUPPLEMENTARY BILL AGAINST KAMENG HYDRO ELECTRIC POWER PLANT DUE TO SHORTFALL OF ENERGY, for the year 2021-22

Beneficiaries	Original Share Allocation	Free Power	Share Allocation After Adjustment of Free Power	Saleable Sch Energy (Kwh)	ECR	Amount
Ar.Pradesh	13.834	12	2.564	2484805	2.000	4969610.00
ASEB	10.834		15.144	14678505	2.000	29357011.00
MeSEB	2.500		3.494	3387139	2.000	6774278.00
Nagaland	1.500		2.097	2032283	2.000	4064567.00
CSPDCL	2.166		3.028	2934617	2.000	5869234.00
UPPC	9.167		12.814	12419961	2.000	24839922.00
HPPC	2.166		3.028	2934617	2.000	5869234.00
	42.17	12.00	42.17	40871928.3		81743856.00

SUPPLEMENTARY BILL AGAINST KAMENG HYDRO ELECTRIC POWER PLANT DUE TO SHORTFALL OF ENERGY, for the year 2023-24

Beneficiaries	Original Share Allocation	Free Power	Share Allocation After Adjustment of Free Power	Saleable Sch Energy (KwH)	ECR	Amount
Ar.Pradesh	13.834	12	2.564	6948656	2.000	13897311.00
ASEB	10.834		15.144	41047838	2.000	82095675.00
MeSEB	2.500		3.494	9471995	2.000	18943990.00
Nagaland	1.500		2.097	5683197	2.000	11366394.00
CSPDCL	2.166		3.028	8206537	2.000	16413073.00
UPPC	9.167		12.814	34731911	2.000	69463823.00
HPPC	2.166		3.028	8206537	2.000	16413073.00
	42.17	12.00	42.17	114296670		228593339.00

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

NEEPCO/ED(Comm.)/Manipur/2024-25/67 Dated: 30/04/2024

To,

The Managing Director,
Manipur State Power Distribution Company,
3rd Floor, New Directorate Building, near 2nd MR Gate,
Imphal – Dimapur Road,
IMPHAL, MANIPUR - 795001.

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- Bill No. NEEPCO/MANI/2023-2024/1302/SUPP/01Dated 30/04/2024.

Dear Sir,

Enclosed please find herewith shortfall energy bill for **Rs. 5,40,77,113.00 (Rupees Five Crore Forty Lakh Seventy Seven Thousand One Hundred Thirteen Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.

Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong**

30/4/24

Authorised Sighatory.

Chief General Manager (C)
मुख्य महाप्रबंधक (वाणिज्यिक) का कार्यालय
Chief Executive Director (Comml)
नेएपको लि., शिलांग
NEEPCO Ltd., Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/MANI/2024-2025/1100/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
Other Ref :

From :
RANGANADI HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.,
YAZALI, ARUNACHAL PRADESH.
GST IN/UIN : 12AAACN9991J4Z0

To :
The Managing Director,
Manipur State Power Distribution Company,
3rd Floor, New Directorate Building, near 2nd MR Gate,
Imphal – Dimapur Road,
IMPHAL, MANIPUR - 795001.
GST IN/UIN : 14AAJCM1435D1ZK

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (In KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2021-22	27160000	0%	7236638		1.343	9718805.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	5183765		1.403	7272822.00
	TOTAL						16991627.00

Total Amount Payable : 16991627.00

Amount Payable (in words) : Rupees One Crore SixtyNine Lakh NinetyOne Thousand Six Hundred TwentySeven Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Shillong
Authorised Signatory

कारपोरेट कार्यालय - ब्रुकलैंड कम्पाउण्ड, लोअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 फैक्स नं./Fax No. : 0364-2225035
वेबसाइट/Website : www.neepco.com ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U40101ML1976GOI001658

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/MANI/2024-2025/1600/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref :
Other Ref :

From :	To :
DOYANG HYDRO ELECTRIC PROJECT NORTH EASTERN ELECTRIC POWER CORPORATION Ltd., WOKHA DISTRICT, NAGALAND GST IN/UIN : 13AAACN9991J1Z1	The Managing Director, Manipur State Power Distribution Company, 3rd Floor, New Directorate Building, near 2nd MR Gate, Imphal – Dimapur Road, IMPHAL, MANIPUR - 795001. GST IN/UIN : 14AAJCM1435D1ZX

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2019-20	27160000	0%	475481		3.077	1463086.00
	b) Shortfall of Energy FY 2021-22	27160000	0%	7156867		3.265	23367171.00
	c) Shortfall of Energy FY 2022-23	27160000	0%	612466		3.375	2067073.00
	d) Shortfall of Energy FY 2023-24	27160000	0%	2922592		3.486	10188156.00
	TOTAL						37085486.00

Total Amount Payable :	37085486.00

Amount Payable (in words) :	Rupees Three Crore Seventy Lakh EightyFive Thousand Four Hundred EightySix Only

E & OE

For NEEPCO Limited

Accounts Officer
Authorised Signatory
O/OED (Comm) NEEPCO Ltd
Shillong

कारपोरेट कार्यालय : ब्रुकलैंड कम्पाउण्ड, लोअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 ❑ फैक्स नं./Fax No. : 0364-2226030
वेबसाइट/Website : www.neepco.com ❑ ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U40101ML1976GOI001658

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, केटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

NEEPCO/ED (Comm)/MeECL/2024-25/ 61 **Dated: 30/04/2024**

To,

The Chief Accounts Officer
Meghalaya Energy Corporation Ltd.
Short Round Road, Shillong,
MEGHALAYA-793001

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- Bill No. NEEPCO/MEGH/2023-2024/1302/SUPP/01Dated 30/04/2024.

Dear Sir,

Enclosed please find herewith shortfall energy bill for **Rs. 10,30,79,026.00 (Rupees Ten Crore Thirty Lakh Seventy Nine Thousand Twenty Six Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.
Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong.**

24/4/24

Authorised Signatory.

NEEPCO/ED (Comm)/MeECL/2024-25/ **Dated: 30/04/2024**

COPY FOR INFORMATION FORWARDED TO: -

1. *The Director (Distribution) Me.E.C.Ltd, Lumjingshai, Short Round Road, Shillong-793001.*

Authorised Signatory

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/MEGH/2024-2025/1100/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
Other Ref :

From :
RANGANADI HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION LtD.,
YAZALI, ARUNACHAL PRADESH.
GST IN/UIN : 12AAACN9991J4Z0

To :
The Chief Accounts Officer,
Meghalaya Energy Corporation Ltd,
Short Round Road, Shillong,
MEGHALAYA-793001.
GST IN/UIN : 17AAGCM5623C2ZP

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2021-22	27160000	0%	9943571		1.343	13354216.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	7122802		1.403	9993291.00
	TOTAL						23347507.00

Total Amount Payable : 23347507.00

Amount Payable (in words) : Rupees Two Crore ThirtyThree Lakh FourtySeven Thousand Five Hundred Seven Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Authorised Signatory
Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/MEGH/2024-2025/1600/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref :
Other Ref : _____

From :
DOYANG HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
WOKHA DISTRICT, NAGALAND
GST IN/UIN : 13AAACN9991J1Z1

To :
The Chief Accounts Officer,
Meghalaya Energy Corporation Ltd,
Short Round Road, Shillong,
MEGHALAYA-793001.
GST IN/UIN : 17AAGCM5623C2ZP

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in Kwh)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2019-20	27160000	0%	692530		3.077	2130915.00
	b) Shortfall of Energy FY 2021-22	27160000	0%	10423638		3.265	34033178.00
	c) Shortfall of Energy FY 2022-23	27160000	0%	892027		3.375	3010691.00
	d) Shortfall of Energy FY 2023-24	27160000	0%	4256617		3.486	14838567.00
	TOTAL						54013251.00

Total Amount Payable : 54013251.00

Amount Payable (in words) : Rupees Five Crore Fourty Lakh Thirteen Thousand Two Hundred FiftyOne Only

E & OE

For NEEPCO Limited

Accounts Officer
O/O Dir(Comml), NEEPCO Ltd
Shillong

कारपोरेट कार्यालय : ब्रुकलैंड कम्पाउण्ड, लोअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 फैक्स नं./Fax No. : 0364-2225035
वेबसाइट/Website : www.neepco.com ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U40101ML1976GOI001658

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No NEEPCO/MEGH/2024-2025/1400/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
REA Letter No :

From :
KAMENG HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
KIMI WEST KAMENG DISTRICT, ARUNACHAL PRADESH, 790114.
GST IN/UIN : 12AAACN9991J3Z1

To :
The Chief Accounts Officer,
Meghalaya Energy Corporation Ltd,
Short Round Road, Shillong,
MEGHALAYA-793001.
GST IN/UIN : 17AAGCM5623C2ZP

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in Kwh)	Capacity Charge (in Rs)	Rate/ %	Amount
1	Sale of Electricity :-						
	a) Shortfall of Energy FY 2021-22	27160000	0%	3387139		2.000	6774278.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	9471995		2.000	18943990.00
	TOTAL						25718268.00

Total Amount Payable :	2,57,18,268.00

Amount Payable (in words) :	Rupees Two Crore FiftySeven Lakh Eighteen Thousand Two Hundred SixtyEight Only

E & OE

For NEEPCO Limited

Accounts Officer
Authorised Signatory
O/OED (Comml) NEEPCO Ltd
Shillong

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

NEEPCO/ED (Comm)/Mizoram/2024-25/ 68 **Dated: 30/04/2024**

To,

The Engineer in Chief,
Power & Electricity Department,
Govt. of Mizoram,
Electric Veng, Aizawl– 796 001

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- Bill No. NEEPCO/MIZO/2023-2024/1302/SUPP/01Dated 30/04/2024.

Dear Sir,

Enclosed please find herewith shortfall energy bill for **Rs. 105,70,30,025.00 (Rupees One Hundred Five Crore Seventy Lakh Thirty Thousand Twenty Five Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.
Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong**

Authorised Signatory.

NEEPCO/ED (Comm)/Mizoram/2024-25/ **Dated: 30/04/2024**

COPY FOR INFORMATION FORWARDED TO: -

1. The Sr. Executive Engineer,Mizoram SLDC Circle, Power and Electricity Deptt., Govt. of Mizoram. Electric Veng, Aizawl– 796 001.

Authorised Signatory.

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/MIZO/2024-25/1500/SHRTFL/01
Bill For: Shortfall of Energy for the period 2014-19.

Bill Date: 30-Apr-21
Bill Ref: Shortfall of Energy for the period 2014-19.
Other Ref :

From :
TURIAL HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.,
DISTRICT KOLASIB,
MIZORAM.
GST IN/UIN : 15AAACN9991J1ZX

To :
The Executive Engineer
Mizoram SLDC Circle,
Power & Electricity Department, Govt. Mizoram,
Electric Veng,
Aizawl– 796 001.
GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2019-20	27160000	0%	61735698		2.678	165328104.00
	b) Shortfall of Energy FY 2020-21	27160000	0%	77216326		2.673	206399237.00
	c) Shortfall of Energy FY 2021-22	27160000	0%	95304791		2.659	253415439.00
	d) Shortfall of Energy FY 2022-23	27160000	0%	38860935		2.645	102787173.00
	e) Shortfall of Energy FY 2023-24	27160000	0%	111237719		2.632	292777676.00
	TOTAL						1020707719.00

Total Amount Payable : 1020707719.00

Amount Payable (in words) : Rupees Ten Crore Twenty Lakh Seventy Thousand Seven Hundred SeventyOne Only

E & OE

For NEEPCO Limited

30/4/21

Authorised Signatory

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Shillong

कारपोरेट कार्यालय : ब्रुकलैंड कम्पाउण्ड, लोअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 ⊔ फैक्स नं./Fax No. : 0364-2225095
वेबसाइट/Website : www.neepco.com ⊔ ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U40101ML1976GOI001658

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उपक्रम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/MIZO/2024-2025/1100/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
Other Ref :

From :
RANGANADI HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.,
YAZALI, ARUNACHAL PRADESH.
GST IN/UIN : 12AAACN9991J4Z0

To :
The Executive Engineer
Mizoram SLDC Circle,
Power & Electricity Department, Govt. Mizoram,
Electric Veng,
Aizawl- 796 001.
GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2021-22	27160000	0%	4926411		1.343	6616170.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	3528898		1.403	4951044.00
	TOTAL						11567214.00

Total Amount Payable : **11567214.00**

Amount Payable (in words) : Rupees One Crore Fifteen Lakh SixtySeven Thousand Two Hundred Fourteen Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OE&C (Commercial), NEEPCO Ltd

कारपोरेट कार्यालय : ब्रुकलैंड कम्पाउण्ड, लोअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 फैक्स नं./Fax No. : 0364-2225035
वेबसाइट/Website : www.neepco.com ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U40101ML1976GOI001658

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/MIZO/2024-2025/1600/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref :
Other Ref : _____

From :
DOYANG HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
WOKHA DISTRICT, NAGALAND
GST IN/UIN : 13AAACN9991J1Z1

To :
The Executive Engineer
Mizoram SLDC Circle,
Power & Electricity Department, Govt. Mizoram,
Electric Veng,
Aizawl– 796 001.
GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (In Kwh)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2019-20	27160000	0%	317397		3.077	976631.00
	b) Shortfall of Energy FY 2021-22	27160000	0%	4777311		3.265	15597920.00
	c) Shortfall of Energy FY 2022-23	27160000	0%	408830		3.375	1379801.00
	d) Shortfall of Energy FY 2023-24	27160000	0%	1950872		3.486	6800740.00
	TOTAL						24755092.00

Total Amount Payable : **24755092.00**

Amount Payable (in words) : Rupees Two Crore FourtySeven Lakh FiftyFive Thousand NinetyTwo Only

E & OE

For NEEPCO Limited

30/4/24

Accounts Officer
O/OED (Comm) NEEPCO Ltd
Shillong

Authorised Signatory

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

NEEPCO/ED (Comm)/Nagaland/2024-25/ 70 **Dated: 30/04/2024**

To,

The Executive Engineer (Trans. Division)
Deptt. Of Power, Govt. of Nagaland, Nagarjan.
Dimapur, NAGALAND

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- Bill No. NEEPCO/NAGA/2023-2024/1302/SUPP/01Dated 30/04/2024.

Dear Sir,

Enclosed please find herewith shortfall energy bill for **Rs. 5,43,93,392.00 (Rupees Five Crore Forty Three Lakh Ninety Three Thousand Three Hundred Ninety Two Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.
Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong**

30/4/24

Authorised Signatory.

Chief General Manager (E)
मुख्य महाप्रबंधक (वाणिज्यिक) का कार्यालय
C/o Executive Director (Comml)
नेहपको लि., शिलांग
NEEPCO Ltd., Shillong

NEEPCO/ED (Comm)/Nagaland/2024-25/ 71 **Dated: 30/04/2024**

COPY FOR INFORMATION FORWARDED TO: -

1. *The Chief Engineer (Elect) Deptt. Of Power, Govt. of Nagaland, Elect.House Kohima Nagaland.*

30/4/24

Authorised Signatory

Chief General Manager (E)
मुख्य महाप्रबंधक (वाणिज्यिक) का कार्यालय
C/o Executive Director (Comml)
नेहपको लि., शिलांग
NEEPCO Ltd., Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/NAGA/2024-2025/1100/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
Other Ref :

From :
RANGANADI HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
YAZALI, ARUNACHAL PRADESH.
GST IN/UIN : 12AAACN9991J4Z0

To :
The Executive Engineer (Trans. Division)
Deptt. Of Power,
Govt. of Nagaland
Nagarjan, Dimapur,
NAGALAND.
GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2021-22	27160000	0%	4610948		1.343	6192503.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	3302925		1.403	4634004.00
	TOTAL						10826507.00

Total Amount Payable : 10826507.00

Amount Payable (in words) : Rupees One Crore Eight Lakh TwentySix Thousand Five Hundred Seven Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Authorised Signatory
Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/NAGA/2024-2025/1600/SHRTFL/01 Bill Date : 30-Apr-24
Bill For : Shortfall of Energy for the period 2014-19. Bill Ref :
Other Ref :

From :	To :
DOYANG HYDRO ELECTRIC PROJECT NORTH EASTERN ELECTRIC POWER CORPORATION Ltd., WOKHA DISTRICT, NAGALAND GST IN/UIN : 13AAACN9991J1Z1	The Executive Engineer (Trans. Division) Deptt. Of Power, Govt. of Nagaland Nagarjan, Dimapur, NAGALAND. GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2019-20	27160000	0%	360744		3.077	1110009.00
	b) Shortfall of Energy FY 2021-22	27160000	0%	5429755		3.265	17728150.00
	c) Shortfall of Energy FY 2022-23	27160000	0%	464664		3.375	1568241.00
	d) Shortfall of Energy FY 2023-24	27160000	0%	2217305		3.486	7729525.00
	TOTAL						28135925.00

Total Amount Payable : **28135925.00**

Amount Payable (in words) : Rupees Two Crore EightyOne Lakh ThirtyFive Thousand Nine Hundred TwentyFive Only

E & OE

For NEEPCO Limited

Accounts Officer
O/CED (Comml) NEEPCO Ltd
Shillong
Authorised Signatory

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/NAGA/2024-2025/1400/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
REA Letter No :

From :	To :
KAMENG HYDRO ELECTRIC PROJECT NORTH EASTERN ELECTRIC POWER CORPORATION LtD., KIMI WEST KAMENG DISTRICT, ARUNACHAL PRADESH, 790114. GST IN/UIN : 12AAACN9991J3Z1	The Executive Engineer (Trans. Division) Deptt. Of Power, Govt. of Nagaland Nagarjan, Dimapur, NAGALAND. GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (In KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
1	Sale of Electricity :-						
	a) Shortfall of Energy FY 2021-22	27160000	0%	2032283		2.000	4064566.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	5683197		2.000	11366394.00
	TOTAL						15430960.00

Total Amount Payable :	1,54,30,960.00
Amount Payable (In words) :	Rupees One Crore FiftyFour Lakh Thirty Thousand Nine Hundred Sixty Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED(Comml), NEEPCO Ltd
Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

NEEPCO/ED (Comm)/TSECL/2024-25/ 72 Dated: 30/04/2024.

To,

The Dy General Manager (Comml & Tariff),
Tripura State Electricity Corporation Ltd,
North Banamalipur,
AGARTALA - 799 001.
TRIPURA (w).

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- Bill No. NEEPCO/TRIP/2023-2024/1302/SUPP/01Dated 30/04/2024.

Dear Sir,

Enclosed please find herewith shortfall energy bill for Rs. 4,68,85,945.00 **(Rupees Four Crore Sixty Eight Lakh Eighty Five Thousand Nine Hundred Forty Five Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.

Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong**

Authorised Signatory.

Chief General Manager (C)
Commercial [illegible]
Dy Executive Director (Comml)
नीपको लि., शिलांग
NEEPCO Ltd., Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(मिनि रत्न, कैटेगरी–I, भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Mini Ratna, Category-I, A Govt. of India Enterprise)

COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/TRIP/2024-2025/1100/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref : Shortfall of Energy for the period 2014-19.
Other Ref :

From :
RANGANADI HYDRO ELECTRIC PROJECT
NORTH EASTERN ELECTRIC POWER CORPORATION Ltd.,
YAZALI, ARUNACHAL PRADESH.
GST IN/UIN : 12AAACN5991J420

To :
The Dy General Manager (Comml & Tariff),
Tripura State Electricity Corporation Ltd,
North Banamalipur,
AGARTALA - 799 001.
TRIPURA (W).
GST IN/UIN : 16AACCT2964M1ZY

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2021-22	27160000	0%	6306670		1.343	8469858.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	4517606		1.403	6338204.00
	TOTAL						14808062.00

Total Amount Payable : 14808062.00

Amount Payable (in words) : Rupees One Crore FourtyEight Lakh Eight Thousand SixtyTwo Only

E & O E

For NEEPCO Limited

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Authorised Signatory
Shillong

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

Invoice No: NEEPCO/TRIP/2024-2025/1600/SHRTFL/01
Bill For : Shortfall of Energy for the period 2014-19.

Bill Date : 30-Apr-24
Bill Ref :
Other Ref :

From :	To :
DOYANG HYDRO ELECTRIC PROJECT NORTH EASTERN ELECTRIC POWER CORPORATION Ltd., WOKHA DISTRICT, NAGALAND GST IN/UIN : 13AAACN9991J1Z1	The Dy General Manager (Comml & Tariff), Tripura State Electricity Corporation Ltd, North Banamalipur, AGARTALA - 799 001. TRIPURA (W). GST IN/UIN : 16AACCT2964MIZY

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
	a) Shortfall of Energy FY 2019-20	27160000	0%	411286		3.077	1265527.00
	b) Shortfall of Energy FY 2021-22	27160000	0%	6190485		3.265	20211934.00
	c) Shortfall of Energy FY 2022-23	27160000	0%	529765		3.375	1787957.00
	d) Shortfall of Energy FY 2023-24	27160000	0%	2527959		3.486	8812465.00
	TOTAL						32077883.00

Total Amount Payable :	32077883.00
Amount Payable (in words) :	Rupees Three Crore Twenty Lakh SeventySeven Thousand Eight Hundred EightyThree Only

E & OE

For NEEPCO Limited

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Authorised Signatory
Shillong

कारपोरेट कार्यालय : ब्रुकलैंड कम्पाउण्ड, लोअर न्यू कॉलोनी, शिलांग
Corporate Office : Brookland Compound, Lower New Colony, Shillong - 793 003
दूरभाष/Tel. : 0364-2226091 | 2505879 | 2501903 | 2502216 ❑ फैक्स नं./Fax No. : 0364-2225035
वेबसाइट/Website : www.neepco.com ❑ ई-मेल/E-mail : neepcocommercial@gmail.com | CIN : U4010ML1976GOI001668

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

No. NEEPCO/Comml./F-99/2024-25/ 74 **Date: 30/04/2024.**

To,

Superintending Engineer,
Electricity Import-Export & Payment Circle,
Uttar Pradesh Power Corporation Ltd.,
11th Floor, Shakti Bhawan Extn.,
14-Ashok Marg, Lucknow,

SUB: - Shortfall of Energy Charges for the period 2019-24.

Ref:- **Bill No. NEEPCO/UTTA/2024-2025/1400/SHRTFL/01 Dated 30/04/2024.**

Dear Sir,

Enclosed please find herewith shortfall energy bill for **Rs. 9,43,03,744.00 (Rupees Nine Crore Forty Three Lakh Three Thousand Seven Hundred Forty Four Only)** calculated as per CERC Regulation 2024, clause 65 (7) & (8) where it is stated as follows: -

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.
Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

The calculation sheet is enclosed herewith for ready reference.

Yours faithfully,

For **NEEPCO LTD. Shillong**

Authorised Signatory.

C/o Executive Director (Comml)
NEEPCO Ltd., Shillong

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
(मिनि रत्न, कैटेगरी-I, भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Mini Ratna, Category-I, A Govt. of India Enterprise)
COMMERCIAL DEPARTMENT

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

Invoice No NEEPCO/UTTA/2024-2025/1400/SHRTFL/01 Bill Date : 30-Apr-24
Bill For : Shortfall of Energy for the period 2014-19. Bill Ref : Shortfall of Energy for the period 2014-19.
REA Letter No :
Name of Account Holder : NORTH EASTERN ELECTRIC POWER CORPORATION LTD (NEEPCO LTD)
Name of Bank : STATE BANK OF INDIA Bank Branch : MAIN BRANCH
Bank Account Number : 10881522463 (CASH CREDIT) IFSC Code : SBIN0000181

From :	To :
KAMENG HYDRO ELECTRIC PROJECT NORTH EASTERN ELECTRIC POWER CORPORATION Ltd., KIMI WEST KAMENG DISTRICT, ARUNACHAL PRADESH, 790114. GST IN/UIN : 12AAACN9991J3Z1	Superintending Engineer, Electricity Import-Export & Payment Circle, UPPCL, 11th Floor, Shakti Bhawan Extn., 14-Ashok Marg, Lucknow, Email : seiepclko@upptcl.org GST IN/UIN :

Sl No.	Particulars	HSN/SAC	GST Rate	Energy (in KwH)	Capacity Charge (in Rs)	Rate/ %	Amount
1	Sale of Electricity :-						
	a) Shortfall of Energy FY 2021-22	27160000	0%	12419981		2.000	24839922.00
	b) Shortfall of Energy FY 2023-24	27160000	0%	34731911		2.000	69463822.00
	TOTAL						94303744.00

Total Amount Payable :	9,43,03,744.00
Amount Payable (in words) :	Rupees Nine Crore FourtyThree Lakh Three Thousand Seven Hundred FourtyFour Only

E & OE

For NEEPCO Limited
Accounts Officer
O/OED (Comml) NEEPCO Ltd
Authorised Signatory
Shillong

R. Pal & Co.
Chartered Accountants

Membership No - 53234
Firm Registration No - 325243E
1st Floor, Complex, Jaintia Road, Shillong, Pin - 793001, Office : ☎ (0364) 2224321, E-mail:
rpalandco@rediffmail.com

To

The Director(Finance)
NEEPCO Ltd.
Shillong

Subject: - Certification for recoverable amount on account of shortfall in energy charges.

We have examined the attached statement in Annexure-I of recoverable amount on account of shortfall in energy charges due to reasons beyond the control of the generating stations of NEEPCO with the records produced before us. We have found that the same has been prepared in accordance with the provisions of the CERC (Tariff) Regulations 2024 notified on 15th March 2024. We have found that: -

1) The attached statement has been prepared based on CERC Tariff Regulations 2024 clause 65(7&8) which inter-alia allows the recovery of shortfall in energy charges (Difference between Saleable Design Energy and Saleable Scheduled Energy), during the tariff period 2019-24, for reasons beyond the control of the generating stations, after adjusting the DSM, directly from the beneficiaries in the immediate following year in six equal interest free monthly instalments subject to truing up at the end of the tariff period.

2) That the calculation of recovery of shortfall of energy charges has been made on the basis of the methodology prescribed by the CERC in its order dated 20.01.2024 on various petitions of NHPC for recovery of shortfall of energy charges of hydro stations.

For R. Pal & Co
Chartered Accountants

(RANAJIT RR PAL)
Proprietor
FRN: - 325243E
Membership No-53234

Place: Guwahati
Date - 23.04.2024

UDIN:24053234BKBIEI6788

Station wise break up of recoverable shortfall of energy in Rs Cr

Station	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Kameng			8.17		22.86	31.03
Tuival	16.53	20.64	25.34	10.28	29.28	102.07
PLHPS/Ranganadi			10.21		7.64	17.86
Doyang	1.64	0.00	26.15	2.31	13.40	41.49
Grand Total	18.17	20.64	69.88	12.59	71.18	192.46

SUMMARY OF SHORTFALL OF ENERGY FOR THE PERIOD 2019-24

Beneficiaries	TUIRIAL	PANYOR	DOYANG	KAMENG	TOTAL
Ar.Pradesh	0.00	13113567.00	32308928.00	18866922.00	**64289417.00**
ASEB	0.00	87927058.00	206565913.00	111452686.00	**405945657.00**
Manipur	0.00	16991627.00	37085486.00	0.00	**54077113.00**
MeSEB	0.00	23347507.00	54013251.00	25718268.00	**103079026.00**
Mizoram	1020707719.00	11567214.00	24755092.00	0.00	**1057030025.00**
Nagaland	0.00	10826507.00	28135925.00	15430960.00	**54393392.00**
Tripura	0.00	14808062.00	32077883.00		**46885945.00**
CSPDCL	0			22282308.00	**22282308.00**
UPPC	0			94303744.00	**94303744.00**
HPPC	0			22282308.00	**22282308.00**
	1020707719.00	**178581542.00**	**414942478.00**	**310337196.00**	**1924568935.00**

30/1/24
Accounts Officer
O/OED (Comml) NEEPCO Ltd
Shillong

ENERGY SHORTFALL BEYOND CONTROL OF THE GENERATING STATION				
Name of the station:-**Kameng**	Unit	Year		
	Mu	2021-22	2022-23	2023-24
Maximum possible generation wrt to ava	MU	3,203.35	3,545.93	3,016.71
Design energy	MU	3,353.00	3,353.00	3,353.00
Shortfall/Excess		149.65	-192.93	336.29
Energy Loss Due To Silt Flushing	MU		0.00	0.00
Energy Loss Due To High Silt	MU		0.00	0.00
Energy Loss Due To Transmission Constra	MU		0.00	0.00
Less Schedule & URL less trading quantur	MU	4.32	3.13	2.34
Total	MU	153.98	-189.80	338.63
Ex bus energy	MU	134.14		295.01
DSM energy	MU	36.83		22.88
Net energy	MU	97.31		272.13
ECR	Rs/KwH	2.00		2.00
Net amount	Rs Cr.	8.17		22.86

30/9/24

Chief General Manager (I/c)
मुख्य महाप्रबंधक (प्रभारी) का कार्यालय
O/o Executive Director (Comml)
नीपको लि., शिलांग
NEEPCO Ltd., Shillong

SUPPLEMENTARY BILL AGAINST KAMENG HYDRO ELECTRIC POWER PLANT DUE TO SHORTFALL OF ENERGY, for the year 2021-22

Beneficiaries	Original Share Allocation	Free Power	Share Allocation After Adjustment of Free Power	Saleable Sch Energy (Kwh)	ECR	Amount
Ar.Pradesh	13.834	12	2.564	2484805	2.000	4969610.00
ASEB	10.834		15.144	14678505	2.000	29357011.00
MeSEB	2.500		3.494	3387139	2.000	6774278.00
Nagaland	1.500		2.097	2032283	2.000	4064567.00
CSPDCL	2.166		3.028	2934617	2.000	5869234.00
UPPC	9.167		12.814	12419961	2.000	24839922.00
HPPC	2.166		3.028	2934617	2.000	5869234.00
	42.17	12.00	42.17	40871928.3		81743856.00

SUPPLEMENTARY BILL AGAINST KAMENG HYDRO ELECTRIC POWER PLANT DUE TO SHORTFALL OF ENERGY, for the year 2023-24

Beneficiaries	Original Share Allocation	Free Power	Share Allocation After Adjustment of Free Power	Saleable Sch Energy (Kwh)	ECR	Amount
Ar.Pradesh	13.834	12	2.564	6948656	2.000	13897311.00
ASEB	10.834		15.144	41047838	2.000	82095675.00
MeSEB	2.500		3.494	9471995	2.000	18943990.00
Nagaland	1.500		2.097	5683197	2.000	11366394.00
CSPDCL	2.166		3.028	8206537	2.000	16413073.00
UPPC	9.167		12.814	34731911	2.000	69463823.00
HPPC	2.166		3.028	8206537	2.000	16413073.00
	42.17	12.00	42.17	114296670		228593339.00

Accounts Officer
O/OED (Comml) NEEPCO Ltd
Shillong

ENERGY SHORTFALL BEYOND CONTROL OF THE GENERATING STATION

Name of the station:**PLHPS**	Unit			
	Mu	2021-22	2023-24	
Maximum possible generation wrt to available flow	MU	1196.8	1224.9	
Design energy	MU	1293.8	1293.8	
Shortfall/Excess		97.0	68.9	
URS (DC less Schedule)	MU	1.0	3.0	
Total	MU	97.99	71.94	
Ex bus energy	MU	85.37	62.68	
DSM Energy	MU	9.32	8.20	
Net energy for shortfall calculation	MU	76.06	54.48	
ECR	Rs/Kwh	1.343	1.403	
Recovery amount	Rs Cr.	10.21	7.64	**17.858**
As per REA ex bus shortfall	MU	122.237	99.981	
Maximum shortfall in Rs Cr.	Rs Cr.	16.416	14.027	**30.444**

NAVEEN BHARTIA & ASSOCIATES
CHARTERED ACCOUNTANTS

CA Naveen Bhartia, F.C.A., B.Com, DISA (ICAI)

103, Suraj Market (1st Floor)
H.B. Road, Fancy Bazar
Guwahati – 781001
Phone : 8822252107 / 8638755422
Email : nba.guwahati@gmail.com

To,
Panyor Lower Hydro Power Station,
North Eastern Electric Power Corporation Limited,
Yazali, Arunachal Pradesh

INDEPENDENT PRACTITIONER'S CERTIFICATE

This is to certify that as per the trial balance and calculations produced before us, the **Year-wise Statement of Additional Capitalization after COD for the period 01.04.2019 to 31.03.2024** (extract of Form 9A of Tariff Filing Forms-Hydro) of "North Eastern Electric Power Corporation Limited – Panyor Lower Hydro Power Station" is as follows:

For FY 2019-20				
Sl. No.	Head of Work/Equipment	ACE Claimed (Actual/Projected)		
		Accrual basis (₹ in lakh)	Un-discharged Liability included in col.3 (₹ in lakh)	Cash basis (₹ in lakh)
(1)	(2)	(3)	(4)	(5 = 3 – 4)
1	Construction Of Boundary Wall Along Trans Arunachal Highway	72.77	0.00	72.77
2	Construction Of Upstream Side Wing Wall Of Intake Structure To Protect The Intake Approach	214.67	0.00	214.67
3	Capital Maintenance Of Surge Shaft Gate & Hoist System	94.14	0.00	94.14
4	Capital Maintenance Of Surge Shaft Gate & Hoist System	4.98	0.00	4.98
5	Procurement of Steel Wire Rope For Surge Shaft Gate	10.89	0.00	10.89
6	Capital Maintenance Of Three Units Of MIV &	214.66	0.00	214.66
7	Associated Parts & Capital Maintenance Of One Unit Of Turbine & Associated Works (Turbine No-01)	134.23	0.00	134.23
8	Capital Maintenance Of One Unit Of Turbine & Associated Works (Turbine No-02)	71.39	0.00	71.39
9	Retrofitting Of Cooling Water Pumps	76.28	0.00	76.28
10	Procurement Of Motorised Pumps, Electrical Control Panels & Pneumatic Grease Refilling Pumps	15.22	0.00	15.22
11	Raising Of Tail Pool Walls For Safety Of Power House & Switchyard	50.31	0.00	50.31
12	Water Mist Fire Tender (Tata Xenon)	21.11	0.00	21.11
13	145 KV, Single Pase, 1250A Isolators & 145KV, 2Core, 200/1A CTs	14.37	0.00	14.37

Naveen Bhartia & Associates Chartered Accountants Guwahati

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14	Supply, Installation, Testing & Commissioning Of Standalone Disturbance Recorder (DR) & Event Logger (EL) For All GE Make Micom Numerical Relays	42.00	0.00	42.00
15	Construction Of Check Dam At Abdullah Nallah, 200 M Above The Intake Bridge, 41 KM, Yazali, A.P	21.09	0.00	21.09
16	Construction Of Gabion Structure For Retaining Earth On Intake Road Near Reservoir (Ch: 0.00 M - 55.00 M), RHEP, 41 KM, Yazali, A.P	11.57	0.00	11.57
17	Construction Of Sausage Wall For Protection Of Soil Erosion At Radhir Nallah, Pitaphool, Yazali, A.P	5.22	0.00	5.22
18	Air Circuit Breaker	29.71	0.00	29.71
19	Capital Maintenance Of One Unit Of Turbine & Associated Works In Water Conductor System Of Dikrong Power House (Turbine No-03)	72.43	0.00	72.43
20	Trash Rack Cleaning Machine	1045.49	0.00	1045.49
21	Dam Safety Monitoring System	340.57	0.00	340.57
22	Construction Of Main Entry Gate With RCC Wall	10.94	0.00	10.94
23	Supply, Installation, Testing & Commissioning Of Motorised Automatic Sliding Gate For PH Store-1, RHEP	8.19	0.00	8.19
24	Supply , Installation, Testing & Commissioning Of Motorised Automatic Sliding Gate For PH Store 2, RHEP	7.74	0.00	7.74
25	Formation Cutting For Surge Shaft Road Re-Alignment At Chainage 1000.00 M - 1180.00 M From Trans-Arunachal Highway & Surge Shaft Road Tri-Junction At Hoz, RHEP, A.P	15.24	0.00	15.24
26	Construction Of Gabion Structure Gammon Quarry (Gr-III)	7.93	0.00	7.93
27	Construction Of Gabion Structure Near Gammon Quarry (Gr-II)	6.36	0.00	6.36
28	Construction Of Gabion Structure Along The Bank Of Pai Nallah (Gr-I)	8.82	0.00	8.82
29	Construction Of Gabion Structure Along The Bank Of Pai Nallah (Gr-II)	7.47	0.00	7.47
30	Construction Of Gabion Structure Along The Bank Of Pai Nallah (Gr-V)	7.73	0.00	7.73
31	Construction Of Gabion Structure Along The Bank Of Pai Nallah (Gr-IV)	7.30	0.00	7.30
32	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-VIII)	4.29	0.00	4.29
33	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-VI)	4.29	0.00	4.29
34	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-X)	4.12	0.00	4.12
35	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-IX)	4.30	0.00	4.30

Praveen Bhartia & Associates Chartered Accountants Guwahati

36	Construction Of Toe Wall Along With The Recently Repaired Road (Gr-VII)	4.29	0.00	4.29
37	Construction Of Toe Wall Along The Recently Repaired Stretch Of Pitaphool Dam Site Road Ch From 0.782 Km To 0.812 Km	4.29	0.00	4.29
38	Construction Of Boundary Wall To Seal The Gap Between Main Boundary Wall And Peripheral Fence Towards Colony Entry Side At Hoz	2.90	0.00	2.90
39	Construction Of Protection Wall To Increase The Road Width Of Access Road To 400 KV Switchyard At Dikrong Power House	26.90	0.00	26.90
40	Construction Of 3 Nos. Of Culvert Across The Approach Road To 43 KM Colony, RHEP, NEEPCO Ltd., Yazali, A.P	6.49	0.00	6.49
41	Construction Of Gabion Structure For Protection Of Toe In The Downhill Side Of Landslide Area Location At A Distance Of 200M Away From Gammon Quarry Towards Dam, RHEP (Group-I & II)	26.88	0.00	26.88
42	Construction Of Open Shed Near Workshop At Dikrong Power House, Hoz, RHEP, A.P	26.87	0.00	26.87
Total		**2766.42**	**0.00**	**2766.42**

For FY 2020-21				
Sl. No.	Head of Work/Equipment	ACE Claimed (Actual/Projected)		
		Accrual basis (₹ in lakh)	Un-discharged Liability included in col.3 (₹ in lakh)	Cash basis (₹ in lakh)
(1)	(2)	(3)	(4)	(5 = 3 - 4)
1	CCTV Camera With Accessories	2.00	0.00	2.00
2	Construction Of Permanent Duty Post At Main Entry Gate Of Dikrong Power House Complex	7.58	0.00	7.58
3	GE Make Numerical Line Differential Relay Type Micom P54391AC6M0790M On IEC 61850 Protocol Along With IRIG-B Port (Store Materials Capitalized)	11.18	0.00	11.18
4	Dam Safety Monitoring System (Remittance Received From HQ For December 2020 Against Installation Charges Of Dam Safety Monitoring System Control Room At HQ. HQ GLV No-022JV01375)	2.66	0.00	2.66
5	Construction Of Check Dam At Tow Koto (Below 43 KM Market), 43 KM, Yazali, A.P	9.40	0.00	9.40
6	Construction Of 20 Bedded Permanent Security Barrack At Dam Site, 41 KM, RHEP, Yazali, A.P	51.06	0.00	51.06

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7	Construction Of 2nd phase Protection Work (Gabion Structure) At Right Bank Of Dam Site, RHEP, A.P	28.59	0.00	28.59
8	Construction Of RCC Drain With Cover Slabs Opposite Of Intake Gate, Ch. 0.00M - 80.00M, Damsite, RHEP	9.74	0.00	9.74
9	Supply, Installation, Testing & Commissioning Of Motorized Automatic Sliding Gate For Main Colony Gate At Dikrong Power House, RHEP, A.P.	7.15	0.00	7.15
10	Construction Of Permanent A-Type Quarters (PA-1, PA-2 & PA-3) At Dikrong Power House, RHEP,Hoz, A.P.	51.35	0.00	51.35
11	Construction Of Permanent A-Type Quarters (PA-1, PA-2 & PA-3) At Dikrong Power House, RHEP,Hoz, A.P.	39.80	0.00	39.80
12	Primary Frequency Response Test Of All Three Units Of Dikrong Power House, RHEP As Per IRGC Clause 5.2 (G)	11.93	0.00	11.93
13	Deputation Of BHEL Expert For HMC Tunning Of All Three Unis Of Dikrong Power House, RHEP	8.68	0.00	8.68
14	2 Nos. Of LP Lube Oil Cooler Assembly (System) (Store Materials Capitalized)	53.96	0.00	53.96
15	Construction Of Cement Concrete Pavement To Improve The Road Gradient Of Access Road To 400 KV Switchyard, Power House	12.63	0.00	12.63
16	WBM For New Formation Cutting Of Surge Shaft Road Re-Alignment At Chainage 1000.00 To 1180.00 From Surge shaft Approach Fate At Hoz	7.12	0.00	7.12
17	250 KVA DG Set, Acoustics	22.03	0.00	22.03
18	Construction Of CC Drain & Toe Wall Along Surge Shaft Road At Chainage 1060.00M To 1120.00M From Gate At Surge Shaft, Dikrong Power House (Group -2)	13.35	0.00	13.35
19	Construction Of Breast Wall Along Pitapool Damsite Road From Ch. 903.00M To 968.00M At RHEP Dam Main Gate, Yazali, A.P (Group-I)	8.76	0.00	8.76
20	Construction Of Breast Wall Along Pitapool Damsite Road From Ch. 968.00M To 1033.00M At RHEP Dam Main Gate, Yazali, A.P (Group-II)	8.71	0.00	8.71
21	Construction Of Breast Wall Along Pitapool Damsite Road From Ch. 1033.00M To 1112.00M At RHEP Dam Main Gate, Yazali, A.P (Group-III)	8.74	0.00	8.74
Total		**376.42**	**0.00**	**376.42**

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For FY 2021-22				
Sl. No.	Head of Work/Equipment	ACE Claimed (Actual/Projected)		
		Accrual basis (₹ in lakh)	Un-discharged Liability included in col.3 (₹ in lakh)	Cash basis (₹ in lakh)
(1)	(2)	(3)	(4)	(5 = 3 - 4)
1	Construction Of CC Approach Road To Ferry Ghat Road (Near DG Set, Right Bank), 41 KM, Yazali, A.P	5.52	0.00	5.52
2	Construction Of Gabion Wall For Slope Protection At Left Bank Of Dam Road, 41 KM, Yazali, A.P	4.00	0.00	4.00
3	Construction Of RCC Drain Along Pitapool Dam-Site Road From Ch.210.00M To 450.00M Towards Pitapool, RHEP, A.P (Ch. 0.00 At Abandoned Gammon Quarry), Group - II	10.37	0.00	10.37
4	Construction Of 2nd Phase Protection Work (Gabion Structure) At Right Bank Of Dam Site, RHEP, A.P (Deviated Amount)	2.45	0.00	2.45
5	Construction Of Retaining Wall Along Pitapool Dam Road From Ch. 226.20M To Ch. 241.40M Towards Pitapool (Ch. 0.00M At Abandoned Gammon Quarry)	14.90	0.00	14.90
6	4 Nos. Of "Lynx Make" Non-Recording Rain Gauge (Model - LM-17-400)	0.47	0.00	0.47
7	Installation & Commissioning Of GE Make Numerical Line Differential Relay Type Micom P54391AC6M0790M On IEC 61850 Protocol Along With IRIG-B Port (Store Materials)	0.89	0.00	0.89
8	Construction Of Cement Road From 33KV Sub Station Gate At Dikrong Power House, Hoj, A.P. (600m)	47.02	0.00	47.02
9	Construction Of Cement Concrete Road From Gate Near Shiv Mandir To SPT-C4 Junction Via IB & Health Centre Inside Dikrong Power House Colony, Hoz (620.00 M)	49.38	0.00	49.38
10	Construction Of Cement Concrete Road For Main Entry Gate Of Dikrong Power House, Hoj, A.P	4.20	0.00	4.20
11	Construction Of CC Drain From Gate Near 33KV Substation To Catch Pit Above 400KV Switchyard At Dikrong Power House, Hoj, A.P (Ch. 0.00M To 210.00M)	9.20	0.00	9.20
12	Construction Of CC Drain From Power House Circular Road To Security Colony At Dikrong Power House, Hoj, A.P (Ch. 0.00M To 120.00M)	4.51	0.00	4.51
13	Peripheral Fencing For Permanent Quarters A1,A2 & A3 At Hoz, A.P	5.11	0.00	5.11

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14	Construction Of Plan-IV (9) Quarter At Power House, Hoz	27.91	0.00	27.91
15	Construction Of Retaining Wall On Downhill Side Of Pitapool Dam Road From Ch. 210.00 M Towards Pitapool (Ch. 0.00M At Gammon Quarry)	20.10	0.00	20.10
16	3 Phase Ratio & winding Resistance Analyzer With Laptop & Accessories (Make: Megger)	49.18	0.00	49.18
17	Breast Wall & RCC Drain Along Pitapool Damsite Road	25.87	0.00	25.87
18	43 KM Colony Permanent CC Road	281.23		281.23
19	Dam Site Road Permanent CC Road	244.34	0.00	244.34
20	Box Culvert A/W Appr. Road & Prot. Work At Dam Rd.	28.34	0.00	28.34
21	Construction Of Plan-IV (10) Quarter At Power House, Hoz	27.92	0.00	27.92
22	Construction Of Plan-IV (8) Quarter At Power House, Hoz	27.91	0.00	27.91
23	Breast Wall & Drain along Pitapool Dam site road	87.80		87.80
24	Protection Wall Along Reservoir, Below Market.,43 km	33.65	0.00	33.65
25	Protection Wall At Left Bank Of Abdullah Nallah,41 KM	11.62	0.00	11.62
26	Retaining Wall & Drain on the u/s & d/s of Right Bank of Dam, 41km	110.73	0.00	110.73
27	Toe Wall At Hillside Of Approach Road to Executive Guest House Hoz	14.87	0.00	14.87
28	HSM Site Office At Dam Site, 41 KM	39.94	0.00	39.94
29	RCC Roadside drain Near Intake Main Gate & Culvert , 41 KM	11.13	0.00	11.13
30	Check Dam On Upstream Of Paagapu Nallah	15.17	0.00	15.17
31	Check Dam At Amchi Nallah	4.26	0.00	4.26
32	Check Dam At Pei Nallah	17.42	0.00	17.42
33	Protection Work Alongside Diesel Power House Colony Road 43km	7.37	0.00	7.37
34	RCC Drain From Dam to Intake Steel Bridge, 41 KM	17.21	0.00	17.21
35	PCC Drain & Cross Drain @ Approach Road To Executive Guest House Hoz	5.18	0.00	5.18
36	RRM Retaining Wall	21.03	0.00	21.03
37	Toe Wall With CC Drain At Back Side Of Pump House,Hoz	27.01	0.00	27.01
38	Breast Wall & Drain Behind HSM Office 43 KM	20.04	0.00	20.04
Total		**1335.27**	**0.00**	**1335.27**

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For FY 2022-23				
Sl. No.	Head of Work/Equipment	ACE Claimed (Actual/Projected)		
		Accrual basis (₹ in lakh)	Un-discharged Liability included in col.3 (₹ in lakh)	Cash basis (₹ in lakh)
(1)	(2)	(3)	(4)	(5 = 3 - 4)
1	CC Road & Drain Along Surge Shaft, Hoz (1.8 KM length)	146.50	0.00	146.50
2	Protection Wall Along Reservoir & Behind SBI,43 KM	13.90	0.00	13.90
3	Protection Wall Behind Central Store At 43 Km	11.95	0.00	11.95
4	Boundary Fencing At Dam Top	14.96	0.00	14.96
5	Protection Wall Near Total Station At D/S of Dam	21.17	0.00	21.17
6	Dumping Yard At Dam Site	47.32	0.00	47.32
7	Ferry Ghat At DPH Site, 43 KM	11.19	0.00	11.19
8	DC Earth Fault Locator (Make-Scope)	5.90	0.00	5.90
9	Leakage Current Analyser for Surge Arrester	17.41	0.00	17.41
10	400KV, 4400PF Capacitive Voltage Transformer (CVT)	4.37	0.00	4.37
11	Heavy Duty Escort Make 17Ton Mobile Crane Model-F17	47.18	0.00	47.18
12	Breast Wall & RCC Drain Ch. 178.40 Dam Road	7.95	0.00	7.95
13	Field Hostel At Dam Site	71.36	0.00	71.36
14	Permanent B- Type Residential Quarters, PB-06	42.12	0.00	42.12
15	CC Road At Surge Shaft Road (800m)	54.43	0.00	54.43
16	Permanent B- Type Residential Quarters, PB-07	42.12	0.00	42.12
17	Protection Wall At Dam Intake Road	5.22	0.00	5.22
18	CC Road At Dam To Intake Road (0.00 M To 470.00 M)	72.20	0.00	72.20
19	Permanent Plan IV(7)- Type Residential Quarters	22.21	0.00	22.21
20	Check Dam At Parmar Nallah	15.94	0.00	15.94
21	Road With Protection Work Near Dumping Yard	51.91	0.00	51.91
22	Plan IV Quarter (6) Quarter At Hoz	16.00	0.00	16.00
23	33KV & 33/11 KV Sub-Station At Power House, Hoz	309.37	0.00	309.37
24	53 MVA, 11/132 KV, 50 HZ, Single Phase GT	685.42	0.00	685.42
25	4 Nos. Of 225 KW Cooling Water Pump Motor Control Panel	40.26	0.00	40.26
26	LP Lub Oil Cooler, Make-BHEL	40.33	0.00	40.33
27	4 Nos. Of Stator Air Cooler, Make-BHEL	111.71	0.00	111.71
28	8 Nos. Of Tube Bundle for LP Lub Oil Cooler , Make-BHEL	213.30	0.00	213.30
29	CC Road & Drain Along Surge Shaft, Hoz (1 km)	168.12	0.00	168.12
30	Check Dam At Dindu Nallah	16.53	0.00	16.53

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31	Wall Fencing & Gate At Permanent Quarter - PB 06	25.79	0.00	25.79
32	Wall Fencing & Gate At Permanent Quarter - PB 07	21.69	0.00	21.69
33	Retaining Wall Including Drain At Right Bank Of Dam, 41km	48.92	0.00	48.92
34	Protection Wall For 400KV GIS Bay Extension_16.5 RM To 50 RM	31.32	0.00	31.32
35	Protection Wall At Reservoir Bank	17.07	0.00	17.07
36	Retaining Wall At Intake Road	43.30	0.00	43.30
37	Protection Wall At Abdullah Nallah, Right Bank	26.68	0.00	26.68
38	Protection Wall From Dam-Top To Dam	41.11	0.00	41.11
39	Retaining Wall With Pipe Culvert	32.13	0.00	32.13
40	Boundary Fencing @ Dam Right Bank, Dam Site	15.31	0.00	15.31
41	Protection Wall @ Dam - Intake Road, Dam Site	27.52	27.52	0.00
42	Breast Wall & Drain @ Pitapool Damsite Road	21.54	11.91	9.63
43	Additional Dumping Yard At Dam Site	42.17	0.00	42.17
44	Ferry Ghat At Dam Site	46.32	0.00	46.32
45	625 KVA Acoustic DG Set Powered By Cummins Engine	69.58	0.00	69.58
46	9 Nos. Of 132 KV Spring Operated SF6 Circuit Breaker, Make- CG Power	112.04	0.00	112.04
47	3 Nos. Of Air Valve Ø 200 Drg No-1-214-03-49001, BHEL Make	52.64	0.00	52.64
48	Megger-Break Down Voltage (BDV) Test Kit,OTS1	20.79	0.00	20.79
49	Gabion Wall	35.51	0.00	35.51
50	4 Nos. Of Control Panel For Dewatering Pump Model 40ATS & 4 Nos. Of Submersible Dewatering Pump MBH Make Model:2PD4SM40	13.09	0.00	13.09
Total		**3072.84**	**39.43**	**3033.41**

For FY 2023-24				
Sl. No.	Head of Work/Equipment	ACE Claimed (Actual/Projected)		
		Accrual basis (₹ in lakh)	Un-discharged Liability included in col.3 (₹ in lakh)	Cash basis (₹ in lakh)
(1)	(2)	(3)	(4)	(5 = 3 - 4)
1	CC Pavement At PH Road Near 132KV SY	3.87	0.00	3.87
2	CC Road & Drain Along Surge Shaft, Hoz (1350m)	132.97	0.00	132.97
3	Check Dam At Abdullah Nallah_no -I	24.61	0.00	24.61
4	Check Dam At Abdullah Nallah_no -I	19.70	0.00	19.70

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5	Pedestrian Road From DPH to Dam_R/Bank_(1.8 km)	106.92	0.00	106.92
6	Plan IV Quarter (I) At Hoz	15.15	0.00	15.15
7	Plan IV Quarter (II) At Hoz	15.15	0.00	15.15
8	Internal Electrification At Permanent Residential Building_PB-01 & PB-02	14.09	0.00	14.09
9	Protection Wall For 400KV GIS Bay Extn.0.00 RM To 50 RM	16.86	0.00	16.86
10	Boundary Fencing @ Dam Right Bank, Dam Site	1.97	0.00	1.97
11	Boundary Wall With Gate At Dam Site	38.72	0.00	38.72
12	Protection Wall At Dam Intake Road	82.35	0.00	82.35
13	Check Dam At Pai Nallah	25.03	0.00	25.03
14	Check Dam At Abdullah Nallah_no -III	17.43	0.00	17.43
15	Check Dam At Abdullah Nallah_no -IV	34.45	0.00	34.45
16	Internal Electrification At Security Barrack & HSM Office	8.04	0.00	8.04
17	Internal Electrification At Field Hostel	6.01	0.00	6.01
18	Plan IV Quarter (4) At Hoz	15.15	0.00	15.15
19	Check Dam At Kamsow Nallah	22.58	0.00	22.58
20	Boundary Fencing At Left Bank Reservoir, Damsite	11.46	0.00	11.46
21	8 Nos. Of UGB Oil Cooler, Make-BHEL Make	24.22	0.00	24.22
22	Real-Time Hydro-Met. Monitoring System_NESAC	309.12	23.69	285.43
23	Supply Of Bypass Valve And Its Accessories For Dikrong Power House	25.14	0.00	25.14
24	Road Connecting Dam Right Bank To Dam Site Gate,41 KM	20.57	0.00	20.57
25	Road Connecting Dumping Yard To Main Road	21.13	0.00	21.13
26	Check Dam @ Abdullah Nh_250M Upstream Of Bailey Bridge	48.05	0.00	48.05
27	Check Dam @Abdullah Nh_60M Downstream Of Bailey Bridge	41.34	0.00	41.34
28	Approach Road To Executive Guest House, Hoz	15.59	0.00	15.59
29	Permanent Qtr. At Hoz: PA-1 , 2 & 3	1.09	0.00	1.09
30	Permanent Residential A-Type Quarters (PA-06)	34.80	0.00	34.80
31	Permanent Residential B-Type Quarters (PB-08 & 09)	84.30	0.00	84.30
32	Internal Electrification Of Permanent Residential B-Type Quarters (PB-08 & 09)	15.45	0.00	15.45
33	Plan IV (5,11,12,13) Quarter At Hoz	102.09	0.00	102.09
34	Plan IV (1) Quarter At 43 KM Colony	64.43	0.00	64.43
35	Breast Wall & Drain Behind PH Store, Hoz	20.38	0.00	20.38
36	Permanent Security Wall At Downstream Of Dam Right Bank	53.72	0.00	53.72
37	Boundary Wall At 43 Km Colony Complex	123.07	0.00	123.07
38	Boundary Wall At PLHPS Intake, 41KM_Damsite	31.84	0.00	31.84

39	Peripheral Wall Around Executive Guest House, Hoz	27.13	0.00	27.13
40	Protection Work Along Pai Nallah, Behind Store yard, 43KM	13.06	0.00	13.06
41	Civil Cum Utility / New Dikrong PH Office, Hoz	201.49	0.00	201.49
42	Internal Electrification In Civil Cum Utility / New Dikrong PH Office, Hoz	15.34	0.00	15.34
43	CC Flooring & CC Drain In New Dikrong PH Office, Hoz	27.82	0.00	27.82
44	Protection Work At Sinking Zone Along Dam Road	52.75	0.00	52.75
45	Fence Behind Sigma Camp, 41 KM_Damsite	33.61	0.00	33.61
46	Labour Barrack At Dam Site_PLHPS	60.50	0.00	60.50
47	Parking Cum Storage Site @ Intake Site_41KM	57.29	0.00	57.29
48	Protection Work At Dam Top To Dam Body	39.77	0.00	39.77
49	Protection Work At Magazine Building At 51 KM	5.27	0.00	5.27
50	Security Watch Tower At Dam Site, PLHPS	5.51	0.00	5.51
51	Protection Work @ Left Training Wall_PLHPS	116.11	0.00	116.11
52	Civil Works For Installation Of Water Level Measuring Device	7.27	0.00	7.27
53	Gabion Structure Along Right Bank Road DPH Colony To Dam	63.42	0.00	63.42
54	Megger Make CT, PT, CVT Analyser, MRCT-D4C0N3E0M0L	55.04	0.00	55.04
55	Fluke Portable Vibration Meter And External Sensor	5.96	0.00	5.96
56	Supply Of Spares For ELPRO Make (Presently Siemens Ltd) 420 KV, 2000A, Pantograph Isolator & Supervision Of Erection Of Spares	442.77	0.00	442.77
57	Installation Charges Of 132KV Spring Oprtd SF6 Circuit Breaker, CG Power	5.60	0.00	5.60
58	3 Nos. Of Double Acting Brake & Jack Panel	20.02	0.00	20.02
59	Supply Of Bypass Valve And Its Accessories For Dikrong Power House	33.84	0.00	33.84
60	New Approach Road To DPH, Hoz	33.17	0.00	33.17
61	Gabion Wall	74.08	0.00	74.08
62	Main Gate@ 43 KM, PLHPS	67.76	0.00	67.76
63	Gabion Wall Opposite NH 13 Trans-Highway, Hoz	17.02	0.00	17.02
64	River Training Works At Pai Nallah, PLHPS	26.45	0.00	26.45
65	Retaining Wall From Main Gate To B-Type Qtrs.,43 KM	24.43	0.00	24.43
66	PCC Retaining Wall At Main Gate, Hoz	11.76	0.00	11.76
67	Protection Wall At Main Entry Gate, Hoz	42.61	0.00	42.61
68	Protection Wall At Dam Site Road,1.6KM Form Highway T-Section	16.12	0.00	16.12
69	Fence Along Pitapool Damsite Road	75.67	0.00	75.67

70	Earth Retaining Wall Near NRC Building, Hoz	48.87	0.00	48.87
71	Protection Wall Behind New Dikrong PH Office, Hoz	20.38	0.00	20.38
Total		**3396.68**	**23.69**	**3372.99**

Restriction on use: This certificate is addressed to and provided to the Company solely for the purpose of filing Tariff Petition and should not be used by any other person or for any other purpose.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E



Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLFZ3425



NAVEEN BHARTIA & ASSOCIATES
CHARTERED ACCOUNTANTS

CA Naveen Bhartia, F.C.A., B.Com, DISA (ICAI)

103, Suraj Market (1st Floor)
H.B. Road, Fancy Bazar
Guwahati – 781001
Phone : 8822252107 / 8638755422
Email : nba.guwahati@gmail.com

To,
Panyor Lower Hydro Power Station,
North Eastern Electric Power Corporation Limited,
Yazali, Arunachal Pradesh

INDEPENDENT PRACTITIONER'S CERTIFICATE

This is to certify that as per the trial balance and calculations produced before us, the **Details of Assets de-capitalized during the period 01.04.2019 to 31.03.2024** (extract of Form 9B(i) of Tariff Filing Forms-Hydro) of "North Eastern Electric Power Corporation Limited – Panyor Lower Hydro Power Station" are as follows:

For FY 2019-20			
Sl. No.	Name of the Asset	Original Value of the Asset Capitalized (₹ in Lakhs)	Depreciation recovered till date of de-capitalization (₹ in Lakhs)
1	Fire Tender (M&M Chassis)	3.74	3.37
2	2 Nos. Of Distribution Transformers	23.84	14.91
3	33KV HT Line (Potin-43KM)	12.97	11.67
4	33KV SF6 Outdoor Breaker	2.92	2.63
5	Television	0.22	0.05
6	Water Purifier (Aqua guard ARD 200)	0.10	0.10
7	Hot Air Blower	0.03	0.03
8	Hot Air Blower	0.03	0.03
9	Hot Air Blower	0.03	0.03
10	Chair With Cushion	0.05	0.05
11	Chair With Cushion	0.12	0.03
12	Chair With Cushion	0.12	0.03
13	Table	0.11	0.11
14	Godrej Defender Safe	0.35	0.35
15	Table, T-9	0.11	0.11
16	Godrej Table, T-8	0.03	0.03
17	Aqua Storage Water Filter	0.04	0.04
18	Topaz Supreme Chair	0.01	0.01
19	Topaz Supreme Chair	0.01	0.01
20	Topaz Supreme Chair	0.01	0.01
21	Topaz Supreme Chair	0.01	0.01
22	Topaz Supreme Chair	0.01	0.01

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23	Usha Mixer Grinder, Model No-MG2553	0.04	0.04
Total		**44.86**	**33.62**

For FY 2020-21			
Sl. No.	Name of the Asset	Original Value of the Asset Capitalized (₹ in Lakhs)	Depreciation recovered till date of de-capitalization (₹ in Lakhs)
1	Write-Off Of 3 Nos. Of Damaged Televisions	0.52	0.25
2	Write-Off Of Damaged EDP Items	16.45	16.45
3	Diesel Generating Station	14.97	13.47
4	Electrical & Auxiliary Equipment	0.04	0.04
5	Workshop Equipment	0.25	0.22
6	Ordinary Tools & Plants	1.73	1.56
7	Camp equipment	0.00	0.00
8	Special Tools & Plants	7.87	7.81
9	Transport equipment	0.21	0.19
10	Furniture Township	36.92	36.51
11	Other EDP equipment	2.93	2.93
12	Office equipment	11.09	10.93
13	Interior Communication equipment - Township	0.08	0.08
14	Drawing equipment	0.21	0.21
15	Miscellaneous equipment	5.14	5.12
16	Audio Visual equipment	0.11	0.05
17	Minor Value Fixed Assets	2.55	2.55
Total		**101.07**	**98.36**

For FY 2021-22			
Sl. No.	Name of the Asset	Original Value of the Asset Capitalized (₹ in Lakhs)	Depreciation recovered till date of de-capitalization (₹ in Lakhs)
1	Office Equipment	1.35	1.21
2	Workshop equipment	0.01	0.01
3	Camp equipment	0.01	0.01
4	Furniture-Township	0.03	0.03
5	Furniture & Fixture - Others	0.20	0.20
6	Other E.D.P Machines	0.00	0.00
7	Office equipment	0.01	0.01

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8	School equipment	0.02	0.01
9	Interior Communication equipment	0.01	0.01
10	Books & Manuals	0.01	0.01
11	Minor Value Assets	3.66	3.66
12	Interior Communication Equipment - Township	0.99	0.99
13	Guest House equipment	0.68	0.20
14	Furniture- Township	0.11	0.11
15	Residential building Township	0.57	0.01
16	Boundary Wall	0.23	0.00
17	Other E.D.P Machines	1.66	0.00
	Total	**9.56**	**6.47**

For FY 2022-23

Sl. No.	Name of the Asset	Original Value of the Asset Capitalized (₹ in Lakhs)	Depreciation recovered till date of de-capitalization (₹ in Lakhs)
1	10 Ton Mobile Crane One No. Til Model Little	12.65	12.05
2	DG SET-5	37.47	33.72
3	Square Drive Torque Wrench	16.48	4.50
4	HP 440 G7 i5-10210U Win 10 Pro Laptop	0.84	0.84
5	Furniture- Township	3.60	2.87
6	Fixed Assets of Minor Value >750 and < 5000	1.07	1.07
7	Temporary Residential Building 100%	38.68	38.68
8	Miscellaneous Equipment	1.17	1.17
9	Electrical Auxiliary equipment	0.06	0.02
10	Transport Equipment	4.03	3.63
11	Special Tools and Plants	0.63	0.60
12	Workshop Equipment	0.46	0.42
13	Office Equipment	0.18	0.18
14	Other E.D.P Machines	0.40	0.00
	Total	**117.72**	**99.73**

For FY 2023-24

Sl. No.	Name of the Asset	Original Value of the Asset Capitalized (₹ in Lakhs)	Depreciation recovered till date of de-capitalization (₹ in Lakhs)
1	Laptop Written Off	0.40	0.40

Narayan Bhartia & Associates Chartered Accountants Guwahati

2	Laptop Written Off	0.40	0.40
3	Laptop Written Off	0.40	0.40
4	Communication equipment	0.10	0.03
5	Other equipment	1.97	0.48
6	Low Value Assets	0.47	0.47
7	Furniture and fixtures	0.40	0.40
8	EDP, WP machines & SATCOM equipment	7.62	7.62
9	Hospital equipment	0.33	0.03
10	Temporary erection	37.42	37.42
11	Other Office equipment	0.10	0.10
12	Construction equipment	0.70	0.17
13	Plant and machinery	3.12	0.56
	Total	**53.44**	**48.50**

Restriction on use: This certificate is addressed to and provided to the Company solely for the purpose of filing Tariff Petition and should not be used by any other person or for any other purpose.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E

Naveen Bhartia & Associates * Chartered Accountants * Guwahati

Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLGA2162

NAVEEN BHARTIA & ASSOCIATES
CHARTERED ACCOUNTANTS

CA Naveen Bhartia, F.C.A., B.Com, DISA (ICAI)

103, Suraj Market (1st Floor)
H.B. Road, Fancy Bazar
Guwahati – 781001
Phone : 8822252107 / 8638755422
Email : nba.guwahati@gmail.com

To,
Panyor Lower Hydro Power Station,
North Eastern Electric Power Corporation Limited,
Yazali, Arunachal Pradesh

INDEPENDENT PRACTITIONER'S CERTIFICATE

This is to certify that as per the trial balance and calculations produced before us, the **Statement showing reconciliation of Additional Capital Expenditure (ACE) claimed with the capital additions as per books** (extract of Form 9C of Tariff Filing Forms-Hydro) of "North Eastern Electric Power Corporation Limited – Panyor Lower Hydro Power Station" is as follows:

Sl. No.	Particulars	As on 31-03-2020 (Amount in ₹ Lakhs)	As on 31-03-2021 (Amount in ₹ Lakhs)	As on 31-03-2022 (Amount in ₹ Lakhs)	As on 31-03-2023 (Amount in ₹ Lakhs)	As on 31-03-2024 (Amount in ₹ Lakhs)
a)	Closing Gross Block as per IND AS	157698.44	158208.60	159661.96	163125.20	167311.92
b)	Add/Less: Adjustments					
c)	Closing Gross Block as per IGAAP	157698.44	158208.60	159661.96	163125.20	167311.92
d)	Opening Gross Block as per IND AS	154798.06	157698.44	158208.60	159661.96	163125.20
e)	Add/Less: Adjustments					
f)	Opening Gross Block as per IGAAP	154798.06	157698.44	158208.60	159661.96	163125.20
g)	**Total Additions as per books (g = c - f)**	**2900.38**	**510.16**	**1453.36**	**3463.24**	**4186.73**
h)	Less: Additions pertaining to other Stages (give Stage wise breakup)	0.00	0.00	0.00	0.00	0.00
i)	**Net Additions pertaining to instant project/Unit/Stage**	**2900.38**	**510.16**	**1453.36**	**3463.24**	**4186.73**
j)	Less: Exclusions (items not allowable / not claimed)	178.81	234.81	127.65	508.12	843.48
k)	**Net Additional Capital Expenditure Claimed (on accrual basis)**	**2721.56**	**275.35**	**1325.71**	**2955.12**	**3343.25**
l)	Less: Un-discharged Liabilities	0.00	0.00	0.00	39.43	23.69

Naveen Bhartia & Associates Chartered Accountants Guwahati

m)	Add: Discharges of un-discharged liabilities, corresponding to admitted assets/works	0.00	0.00	0.00	0.00	0.00
n)	**Net Additional Capital Expenditure Claimed (on cash basis)**	**2721.56**	**275.35**	**1325.71**	**2915.69**	**3319.56**

Restriction on use: This certificate is addressed to and provided to the Company solely for the purpose of filing Tariff Petition and should not be used by any other person or for any other purpose.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E

Naveen Bhartia & Associates Chartered Accountants Guwahati

Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLGB1610

NAVEEN BHARTIA & ASSOCIATES
CHARTERED ACCOUNTANTS

CA Naveen Bhartia, F.C.A., B.Com, DISA (ICAI)

103, Suraj Market (1st Floor)
H.B. Road, Fancy Bazar
Guwahati – 781001
Phone : 8822252107 / 8638755422
Email : nba.guwahati@gmail.com

To,
Panyor Lower Hydro Power Station,
North Eastern Electric Power Corporation Limited,
Yazali, Arunachal Pradesh

INDEPENDENT PRACTITIONER'S CERTIFICATE

This is to certify that as per the trial balance and calculations produced before us, the **Statement of Capital Cost** (extract of Form 9E of Tariff Filing Forms-Hydro) of "North Eastern Electric Power Corporation Limited – Panyor Lower Hydro Power Station" is as follows:

Sl. No.	Particulars	As on 31-03-2020 (Amount in ₹ Lakhs)	As on 31-03-2021 (Amount in ₹ Lakhs)	As on 31-03-2022 (Amount in ₹ Lakhs)	As on 31-03-2023 (Amount in ₹ Lakhs)	As on 31-03-2024 (Amount in ₹ Lakhs)
a)	Opening Gross Block	154798.06	157698.44	158208.60	159661.96	163125.20
b)	Addition in Gross Block (Direct Purchases)	2512.18	519.83	1379.17	3153.27	3649.13
c)	Addition in Gross Block (Transferred from CWIP)	433.05	91.40	83.74	427.69	591.03
d)	Deletion in Gross Block	(44.86)	(101.07)	(9.56)	(117.72)	(53.44)
e)	Closing Gross Block	157698.44	158208.60	159661.96	163125.20	167311.92

Restriction on use: This certificate is addressed to and provided to the Company solely for the purpose of filing Tariff Petition and should not be used by any other person or for any other purpose.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E

Naveen Bhartia & Associates * Chartered Accountants * Guwahati

Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLGC5652

NAVEEN BHARTIA & ASSOCIATES
CHARTERED ACCOUNTANTS

CA Naveen Bhartia, F.C.A., B.Com, DISA (ICAI)

103, Suraj Market (1st Floor)
H.B. Road, Fancy Bazar
Guwahati – 781001
Phone : 8822252107 / 8638755422
Email : nba.guwahati@gmail.com

To,
Panyor Lower Hydro Power Station,
North Eastern Electric Power Corporation Limited,
Yazali, Arunachal Pradesh

INDEPENDENT PRACTITIONER'S CERTIFICATE

This is to certify that as per the trial balance and calculations produced before us, the **Statement of Capital Work in Progress (CWIP)** (extract of Form 9F of Tariff Filing Forms-Hydro) of "North Eastern Electric Power Corporation Limited – Panyor Lower Hydro Power Station" is as follows:

Sl. No.	Particulars	As on 31-03-2020 (Amount in ₹ Lakhs)	As on 31-03-2021 (Amount in ₹ Lakhs)	As on 31-03-2022 (Amount in ₹ Lakhs)	As on 31-03-2023 (Amount in ₹ Lakhs)	As on 31-03-2024 (Amount in ₹ Lakhs)
a)	Opening Capital Work-in-Progress	351.19	98.32	136.07	283.49	526.41
b)	Addition in Capital Work-in-Progress	180.18	129.14	231.16	670.61	4081.10
c)	Transferred to Gross Block	(433.05)	(91.40)	(83.74)	(427.69)	(591.03)
d)	Deletion in Capital Work-in-Progress	0.00	0.00	0.00	0.00	0.00
e)	Closing Capital Work-in-Progress	98.32	136.07	283.49	526.41	4016.47

Restriction on use: This certificate is addressed to and provided to the Company solely for the purpose of filing Tariff Petition and should not be used by any other person or for any other purpose.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E

Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLGD3686

NAVEEN BHARTIA & ASSOCIATES
CHARTERED ACCOUNTANTS

CA Naveen Bhartia, F.C.A., B.Com, DISA (ICAI)

103, Suraj Market (1st Floor)
H.B. Road, Fancy Bazar
Guwahati – 781001
Phone : 8822252107 / 8638755422
Email : nba.guwahati@gmail.com

To,
Panyor Lower Hydro Power Station,
North Eastern Electric Power Corporation Limited,
Yazali, Arunachal Pradesh

INDEPENDENT PRACTITIONER'S CERTIFICATE

This is to certify that as per the trial balance and calculations produced before us, Calculation of Depreciation (extract of per Form – 11 of Tariff Filing Forms-Hydro) of "North Eastern Electric Power Corporation Limited – Panyor Lower Hydro Power Station" is follows:

For FY 2019-2020			
Sl No.	Name of Assets	Gross Block as on 31-03-2020 (Amount in ₹ Lakhs)	Depreciation Amount for FY 2019-2020 (Amount in ₹ Lakhs)
1	Free Hold Land Plant - Office	239.68	0.00
2	Road Bridges & Culvert	1197.86	20.08
3	Main Plant Building - Civil	6536.85	121.23
4	Permanent Residential building	2645.66	53.50
5	Boundary / Other Walls	615.67	18.87
6	Permanent Non Residential building	428.27	11.52
7	Temporary Residential building 100%	948.19	0.00
8	Temporary Non Residential Building 100%	692.17	0.00
9	Sewerage & Effluent Disposal System-Plan	6.70	0.25
10	Water Supply System - Township	100.76	2.45
11	Water Supply System-Township (PH Complex)	46.99	1.76
12	Reservoir & Dam	40674.66	643.35
13	Main Tunnel	43681.29	688.70
14	Steel Liner & Penstock	9486.29	129.00
15	Control & Instrumentation Equipment	0.53	0.02
16	Service & General Station Equipment	0.35	0.01
17	Electrical Auxiliary Equipment	74.92	2.39
18	Chimney	1.36	0.05
19	Water Treatment-Plant	23.29	0.78
20	Switchgear including cable connection	7152.38	93.77
21	Fire Fighting System	7.60	0.30
22	Workshop Equipment	29.01	0.53
23	Fire Fighting Equipment	45.59	1.72
24	Survey Equipment	1.18	0.06

Naveen Bhartia & Associates, Chartered Accountants, Guwahati

25	Laboratory Equipment	13.24	0.39
26	Diesel Generating station	209.78	0.00
27	Sub Station Equipment	47.50	1.31
28	Transformer having rating of 100 KVA & Above	3537.61	41.26
29	Ordinary Tools and Plants	46.11	1.65
30	400/220/132 KV Switchyards At NEEPCO Sites	1001.70	35.82
31	Plant and Machinery In Gen Station	34376.07	553.49
32	Camp Equipment (Minor)	0.01	0.00
33	Special Tools and Plants	2687.44	27.15
34	Township Power Supply System	0.97	0.03
35	11K V Transmission Line	156.88	0.00
36	33K V Transmission Line	146.40	1.85
37	Other Electrical Installations	3.42	0.12
38	Permanent Power Supply System	11.53	0.37
39	Transport Equipment	84.86	0.26
40	Furniture- Township	149.43	0.90
41	Furniture and Fixtures (Others)	24.18	0.73
42	Fixture Partition In Old Building	14.14	0.48
43	Furniture and Fixtures Plant / Office	2.74	0.04
44	Satellite Communication System	7.19	0.21
45	Other EDP Machines	224.80	9.92
46	Refrigerator, Air-Cooler, Water-Cooler, Air- Conditioner-Township	0.28	0.01
47	Refrigerator, Air Cooler	79.04	2.53
48	Office Equipment	75.23	0.47
49	Hospital Equipment	7.14	0.26
50	School Equipment	1.26	0.02
51	Other Township Equipment	0.50	0.02
52	Guest House Equipment	4.64	0.13
53	Interior Communication Equipment - Township	11.06	0.21
54	Interior Communication Equipment - Plant/Office	7.57	0.25
55	Telephone Lines	17.64	0.00
56	Drawing Equipment (Minor)	0.21	0.00
57	Miscellaneous Equipment	53.98	0.41
58	Tools & Plants	0.41	0.01
59	Audio Visual Equipment	44.56	0.81
60	Bicycle (Minor)	0.00	0.00
61	Books & Manuals	2.72	0.00
62	Fixed Assets of Minor Value >750 and < 5000	8.95	0.15
	Total	**157698.44**	**2471.61**

Bhartia & Associates Guwahati

For FY 2020-2021			
Sl No.	Name of Assets	Gross Block as on 31-03-2021 (Amount in ₹ Lakhs)	Depreciation Amount for FY 2020-2021 (Amount in ₹ Lakhs)
1	Free Hold Land Plant - Office	239.68	0.00
2	Road Bridges & Culvert	1227.02	21.72
3	Main Plant Building - Civil	6536.85	121.39
4	Permanent Residential building	2787.88	78.80
5	Boundary / Other Walls	810.23	23.62
6	Permanent Non Residential building	491.86	13.30
7	Temporary Residential building 100%	948.19	0.00
8	Temporary Non Residential Building 100%	692.17	0.00
9	Sewerage & Effluent Disposal System-Plan	6.70	0.25
10	Water Supply System - Township	100.76	2.45
11	Water Supply System-Township (PH Complex)	46.99	1.76
12	Reservoir & Dam	40682.36	644.50
13	Main Tunnel	43681.29	689.05
14	Steel Liner & Penstock	9486.29	129.00
15	Control & Instrumentation Equipment	0.53	0.02
16	Service & General Station Equipment	0.35	0.01
17	Electrical Auxiliary Equipment	97.82	2.96
18	Chimney	1.36	0.05
19	Water Treatment-Plant	23.43	0.79
20	Switchgear including cable connection	7152.38	94.64
21	Fire Fighting System	7.60	0.25
22	Workshop Equipment	29.73	0.71
23	Fire Fighting Equipment	45.59	1.65
24	Survey Equipment	1.18	0.02
25	Laboratory & Meter Testing Equipment	13.24	0.43
26	Diesel Generating station	194.81	0.00
27	Sub Station Equipment	47.50	1.31
28	Transformer having rating of 100 KVA & Above	3537.61	41.26
29	Ordinary Tools and Plants	44.77	1.38
30	400/220/132 KV Switchyards At NEEPCO Sites	1001.70	35.66
31	Plant and Machinery In Gen Station	34461.82	558.82
32	Camp Equipment (Minor)	0.01	0.00
33	Special Tools and Plants	2697.51	66.03
34	Township Power Supply System	0.97	0.03
35	11K V Transmission Line	156.88	0.00
36	33K V Transmission Line	146.40	1.85
37	Other Electrical Installations	3.42	0.12
38	Permanent Power Supply System	11.53	0.37
39	Transport Equipment	84.65	0.38
40	Furniture- Township	118.72	0.79

Naveen Bhartia & Associates Chartered Accountants Guwahati

41	Furniture and Fixtures (Others)	27.97	1.67
42	Fixture Partition In Old Building	14.14	0.48
43	Furniture and Fixtures Plant / Office	3.47	0.04
44	Fixtures, Fans -Township	1.12	0.01
45	Satellite Communication System	10.11	0.26
46	Other EDP Machines	224.98	13.48
47	Refrigerator ,Air-Cooler, Water-Cooler, Air- Conditioner-Township	0.28	0.01
48	Refrigerator, Air Cooler	81.39	2.55
49	Office Equipment	64.14	1.08
50	Hospital Equipment	7.53	0.46
51	School Equipment	1.26	0.90
52	Other Township Equipment	0.50	0.02
53	Guest House Equipment	5.04	0.13
54	Interior Communication Equipment - Township	10.98	0.21
55	Interior Communication Equipment - Plant/Office	7.57	0.25
56	Telephone Lines	21.48	0.03
57	Drawing Equipment (Minor)	0.00	0.00
58	Miscellaneous Equipment	50.71	0.33
59	Tools & Plants	0.41	0.01
60	Audio Visual Equipment	45.93	0.99
61	Bicycle (Minor)	0.00	0.00
62	Books & Manuals	2.72	0.00
63	Guest House Equipment	0.69	0.01
64	Fixed Assets of Minor Value >750 and < 5000	6.40	0.00
	Total	**158208.60**	**2558.28**

For FY 2021-2022			
Sl No.	Name of Assets	Gross Block as on 31-03-2022 (Amount in ₹ Lakhs)	Depreciation Amount for FY 2021-2022 (Amount in ₹ Lakhs)
1	Free Hold Land Plant - Office	239.68	0.00
2	Road Bridges & Culvert	1957.38	26.91
3	Main Plant Building - Civil	6536.85	121.39
4	Permanent Residential building	2876.16	59.61
5	Boundary / Other Walls	1209.25	34.25
6	Permanent Non Residential building	633.79	15.98
7	Temporary Residential building 100%	948.19	0.00
8	Temporary Non Residential Building 100%	692.17	0.00
9	Sewerage & Effluent Disposal System-Plan	7.60	0.28
10	Water Supply System - Township	101.76	2.46
11	Water Supply System-Township (PH Complex)	46.99	1.76

12	Reservoir & Dam	40683.01	644.52
13	Main Tunnel	43681.29	689.05
14	Steel Liner & Penstock	9486.29	129.00
15	Control & Instrumentation Equipment	1.00	0.03
16	Service & General Station Equipment	0.35	0.01
17	Electrical Auxiliary Equipment	98.73	3.34
18	Chimney	1.36	0.05
19	Water Treatment-Plant	23.27	0.78
20	Switchgear including cable connection	7152.38	94.64
21	Fire Fighting System	14.27	0.46
22	Workshop Equipment	29.17	0.62
23	Fire Fighting Equipment	45.51	1.65
24	Survey Equipment	1.13	0.02
25	Laboratory & Meter Testing Equipment	13.24	0.43
26	Diesel Generating station	232.77	0.61
27	Sub Station Equipment	47.50	1.31
28	Transformer having rating of 100 KVA & Above	3546.84	41.26
29	Ordinary Tools and Plants	28.84	0.87
30	400/220/132 KV Switchyards At NEEPCO Sites	1001.70	35.66
31	Plant and Machinery In Gen Station	34464.20	561.57
32	Camp Equipment	0.00	0.00
33	Special Tools and Plants	2655.38	65.38
34	Township Power Supply System	0.97	0.03
35	11K V Transmission Line	156.88	0.00
36	33K V Transmission Line	146.40	1.85
37	Other Electrical Installations	3.42	0.12
38	Permanent Power Supply System	11.53	0.37
39	Transport Equipment	88.92	0.47
40	Furniture- Township	114.18	1.27
41	Furniture and Fixtures (Others)	25.34	0.87
42	Fixture Partition In Old Building	14.14	0.48
43	Furniture and Fixtures Plant / Office	2.03	0.07
44	Fixtures, Fans -Township	1.12	0.05
45	Satellite Communication System	9.33	0.33
46	Other EDP Machines	252.05	22.05
47	Refrigerator, Air-Cooler, Water-Cooler, Air- Conditioner-Township	0.28	0.01
48	Refrigerator, Air Cooler	85.82	2.64
49	Office Equipment	58.64	0.67
50	Hospital Equipment	7.42	0.24
51	School Equipment	0.29	0.01
52	Other Township Equipment	0.50	0.02
53	Guest House Equipment	11.60	0.19
54	Interior Communication Equipment - Township	9.98	0.21
55	Interior Communication Equipment - Plant/Office	12.94	0.27
56	Telephone Lines	21.48	0.16

Narayan Bhartia & Associates Chartered Accountants Guwahati

57	Drawing Equipment (Minor)	0.00	0.00
58	Miscellaneous Equipment	50.36	0.37
59	Tools & Plants (E)	50.32	0.73
60	Audio Visual Equipment	47.48	0.97
61	Bicycle (Minor)	0.00	0.00
62	Books & Manuals	2.64	0.00
63	Guest House Equipment	0.69	0.03
64	Fixed Assets of Minor Value >750 and < 5000	17.16	0.54
	Total	**159661.96**	**2568.93**

For FY 2022-2023			
Sl No.	Name of Assets	Gross Block as on 31-03-2023 (Amount in ₹ Lakhs)	Depreciation Amount for FY 2022-2023 (Amount in ₹ Lakhs)
1	Free Hold Land Plant - Office	239.68	0.00
2	Road Bridges & Culvert	2646.55	69.27
3	Main Plant Building - Civil	6536.85	121.39
4	Permanent Residential building	3157.40	69.90
5	Boundary / Other Walls	1639.97	53.47
6	Permanent Non Residential building	813.81	24.96
7	Temporary Residential building 100%	909.52	0.00
8	Temporary Non Residential Building 100%	692.17	0.00
9	Sewerage & Effluent Disposal System-Plan	7.60	0.28
10	Water Supply System - Township	236.76	7.86
11	Reservoir & Dam	40683.01	644.52
12	Main Tunnel	43681.29	689.05
13	Steel Liner & Penstock	9486.29	129.00
14	Control & Instrumentation Equipment	1.00	0.04
15	Service & General Station Equipment	0.35	0.01
16	Electrical Auxiliary Equipment	103.66	3.46
17	Chimney	1.36	0.05
18	Water Treatment-Plant	23.53	0.79
19	Switchgear including cable connection	7210.49	96.53
20	Fire Fighting System	14.27	0.53
21	Workshop Equipment	49.50	1.30
22	Fire Fighting Equipment	45.51	1.65
23	Survey Equipment	1.13	0.02
24	Laboratory & Meter Testing Equipment	16.04	0.44
25	Diesel Generating station	264.88	1.39
26	Sub Station Equipment	468.91	9.95
27	Transformer having rating of 100 KVA & Above	4232.25	53.85
28	Ordinary Tools and Plants	33.49	0.96

Naveen Bharti & Associates Chartered Accountants Guwahati

29	400/220/132 KV Switchyards At NEEPCO Sites	1001.70	35.66
30	Plant and Machinery In Gen Station	34951.27	571.26
31	Special Tools and Plants	2702.38	67.22
32	Township Power Supply System	0.97	0.03
33	11K V Transmission Line	169.39	0.29
34	33K V Transmission Line	165.53	3.21
35	Other Electrical Installations	3.42	0.12
36	Permanent Power Supply System	11.53	0.37
37	Transport Equipment	88.39	0.56
38	Furniture- Township	163.50	2.67
39	Satellite Communication System	9.33	0.33
40	Other EDP Machines	253.65	21.08
41	Refrigerator, Air Cooler	86.23	2.65
42	Office Equipment	60.39	0.75
43	Hospital Equipment	7.67	0.25
44	School Equipment	3.68	0.06
45	Other Township Equipment	0.73	0.05
46	Guest House Equipment	25.69	0.68
47	Interior Communication Equipment - Township	23.91	0.52
48	Telephone Lines	21.48	0.16
49	Miscellaneous Equipment	49.18	0.37
50	Tools & Plants (E)	50.77	2.13
51	Audio Visual Equipment	56.65	1.23
52	Books & Manuals	2.64	0.00
53	Fixed Assets of Minor Value >750 and < 5000	16.86	1.12
54	Inverters Including Battery Bank	0.99	0.01
	Total	**163125.20**	**2693.46**

For FY 2023-2024

Sl No.	Name of Assets	Gross Block as on 31-03-2024 (Amount in ₹ Lakhs)	Depreciation Amount for FY 2023-2024 (Amount in ₹ Lakhs)
1	Freehold Land	239.68	0.00
2	Roads, bridges, culverts & helipads	3242.84	101.50
3	Main Plant Buildings	6536.85	121.39
4	Other Buildings	7892.57	203.67
5	Temporary erection	1564.26	0.00
6	Water supply, drainage & sewerage	368.61	9.85
7	Dam, Dyke, Reservoir & Other Hydraulic Works	93850.59	1462.57
8	Plant and machinery	49480.99	835.05
9	Furniture and fixtures	170.96	3.01
10	Other Office Equipment	154.05	3.60

Naveen Bharti & Associates Chartered Accountants Guwahati

11	EDP, WP machines & SATCOM equipment	295.12	22.59
12	Vehicles including speedboats	88.39	0.63
13	Construction equipment	2764.05	70.66
14	Electrical installations	383.20	4.03
15	Communication equipment	49.96	0.73
16	Hospital equipment	8.26	0.28
17	Laboratory and workshop equipment	65.54	2.08
18	Other Equipment	138.56	3.00
19	Low Value Assets	17.43	1.05
	Total	**167311.92**	**2845.68**

Restriction on use: This certificate is addressed to and provided to the Company solely for the purpose of filing Tariff Petition and should not be used by any other person or for any other purpose.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E

Naveen Bhartia & Associates Chartered Accountants Guwahati

Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLGE7923

NAVEEN BHARTIA & ASSOCIATES
CHARTERED ACCOUNTANTS

CA Naveen Bhartia, F.C.A., B.Com, DISA (ICAI)

103, Suraj Market (1st Floor)
H.B. Road, Fancy Bazar
Guwahati – 781001
Phone : 8822252107 / 8638755422
Email : nba.guwahati@gmail.com

To,
Panyor Lower Hydro Power Station,
North Eastern Electric Power Corporation Limited,
Yazali, Arunachal Pradesh

INDEPENDENT PRACTITIONER'S CERTIFICATE

This is to certify that as per the trial balance and calculations produced before us, the **Statement of Capital Liability** (extract of Form 16 of Tariff Filing Forms-Hydro) of "North Eastern Electric Power Corporation Limited – Panyor Lower Hydro Power Station" is as is as per **Annexure – I** attached herewith.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E

Naveen Bhartia & Associates Chartered Accountants Guwahati

Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLGF6658

Annexure- I

Sl. No.	Name of the Party	As on 31-03-2020 (Amount in ₹ Lakhs)	As on 31-03-2021 (Amount in ₹ Lakhs)	As on 31-03-2022 (Amount in ₹ Lakhs)	As on 31-03-2023 (Amount in ₹ Lakhs)	As on 31-03-2024 (Amount in ₹ Lakhs)	Discharges FY 19-20 (Amount in ₹ Lakhs)	Discharges FY 20-21 (Amount in ₹ Lakhs)	Discharges FY 21-22 (Amount in ₹ Lakhs)	Discharges FY 22-23 (Amount in ₹ Lakhs)	Discharges FY 23-24 (Amount in ₹ Lakhs)
1	Adison Construction Company	2.54	2.54	2.54	2.54	2.54	0.00	0.00	0.00	0.00	0.00
2	ATPC Soma JV	28.20	28.20	28.20	28.20	28.20	0.00	0.00	0.00	0.00	0.00
3	Banajit Sarma	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00
4	Electroking	7.19	7.19	7.19	7.19	7.19	0.00	0.00	0.00	0.00	0.00
5	Steelage Industries Limited	25.82	25.82	25.82	25.82	25.82	0.00	0.00	0.00	0.00	0.00
6	S. Marbaniang	28.00	28.00	28.00	28.00	28.00	0.00	0.00	0.00	0.00	0.00
7	Sujata Enterprise	1.37	1.37	1.37	1.37	1.37	0.00	0.00	0.00	0.00	0.00
8	Techno Electric & Engg .Co. Ltd	31.25	31.25	31.25	31.25	31.25	0.00	0.00	0.00	0.00	0.00
9	Taba Teri	0.00	0.00	0.00	11.91	0.00	0.00	0.00	0.00	0.00	11.91
10	Chukhu Taro	0.00	0.00	0.00	27.52	0.00	0.00	0.00	0.00	0.00	27.52

Naveen Bhartia & Associates Chartered Accountants Guwahati

Annexure- I

11	NESAC, Shillong	0.00	0.00	0.00	0.00	23.69	0.00	0.00	0.00	0.00	0.00
12	Bharat Heavy Electricals Limited	0.00	0.00	0.00	0.00	0.00	86.34	0.00	0.00	0.00	0.00
	Total	**124.83**	**124.83**	**124.83**	**164.26**	**148.52**	**86.34**	**0.00**	**0.00**	**0.00**	**39.43**

Restriction on use: This certificate is addressed to and provided to the Company solely for the purpose of filing Tariff Petition and should not be used by any other person or for any other purpose.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E

Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLGF6658

NAVEEN BHARTIA & ASSOCIATES
CHARTERED ACCOUNTANTS

CA Naveen Bhartia, F.C.A., B.Com, DISA (ICAI)

103, Suraj Market (1st Floor)
H.B. Road, Fancy Bazar
Guwahati – 781001
Phone : 8822252107 / 8638755422
Email : nba.guwahati@gmail.com

To,
Panyor Lower Hydro Power Station,
North Eastern Electric Power Corporation Limited,
Yazali, Arunachal Pradesh

INDEPENDENT PRACTITIONER'S CERTIFICATE

This is to certify that as per the trial balance and calculations produced before us, the **Statement of Security Expenses Incurred** for the period 01.04.2019 to 31.03.2024 of "North Eastern Electric Power Corporation Limited – Panyor Lower Hydro Power Station" is as follows:

Sl. No.	Financial Year	(Amount in ₹ Lakhs)
a)	2019-20	488.49
b)	2020-21	482.26
c)	2021-22	443.63
d)	2022-23	467.97
e)	2023-24	414.98
Total		**2297.33**

Restriction on use: This certificate is addressed to and provided to the Company solely for the purpose of filing Tariff Petition and should not be used by any other person or for any other purpose.

for Naveen Bhartia & Associates
Chartered Accountants
FRN: 330089E

Naveen Bhartia & Associates Chartered Accountants Guwahati

Naveen Bhartia
Proprietor
M. No.: 311914

Place: Guwahati
Date: 12th November, 2024
UDIN: 24311914BKFLGG1535

Name of the Company: NORTH EASTERN ELECTRIC POWER CORPORATION LTD
Name of the Power Station: PANYOR LOWER HYDRO POWER STATION (405 MW)
(hereinafter referred to as **PLHPS**)

Funding of Additional Capital Expenditure incurred during the period of 2019-24

No new loan/external funding taken and proposed to be taken for the PANYOR LOWER HYDRO POWER STATION (405 MW) (hereinafter referred to as PLHPS) during the period under reference. The additional capital expenditure incurred during the period of 2019-24 has been met from the internal resources of the Company.

(Ripunjoy Bhuyan)
CGM(Tech), NEEPCO-Commercial

FY 2019-2020
Annexure-1

CONFIDENTIAL

No. 20/IS/2013(26)-ARP-3701
INTELLIGENCE BUREAU
(Ministry of Home Affairs)
Government of India
New Delhi, the 23/10/13

The General Manager,
Ranganadi Hydro Electric Plant (NEEPCO),
Yazali, Distt. Lower Subansiri,
Arunachal Pradesh

Sir,

Enclosed please find a copy (No. 1) of the security inspection report on **Ranganadi Hydro Electric Plant (NEEPCO), Yazali, Distt. Lower Subansiri, Arunachal Pradesh** inspected by IB's IS team on **April 05, 2013.**

2. Necessary action for implementing the recommendations contained in the report may please be initiated and the progress of implementation intimated to us on half-yearly basis. The first half-yearly report would be due on **01.07.2014.**

3. No photocopy of this report or part of it should be prepared and handed over to any individual(s)/organization(s) including those to whom the installation is planning to entrust the responsibilities of implementation of these recommendations.

4. While communicating security recommendations to implementing authority(ies)/organization(s)/individual(s), IB's name should not be quoted except when the communication is being made to the State Govt./Police authorities and that too when it is unavoidable.

5. These security recommendations should not be quoted in any manner in any litigation/court matter.

6. Please acknowledge receipt of the report in the slip attached.

Yours sincerely,

24/10/2013
Addl. Deputy Director

CONFIDENTIAL

GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF HOME & INTER-STATE BOUNDARY AFFAIRS
ITANAGAR

No.HMB (B)-44/2010 Dated Itanagar, the 18th Nov'2013

Meeting Notice

A meeting has been scheduled on 22/11/2013 at 1500hrs in the office Chamber of the Chief Secretary, Banquet Hall, Itanagar comprising of the following officers in connection with the inspection report on the security arrangements at Ranganadi Hydro Electric Plant (NEEPCO), Yazali, District Lower Subansiri, Arunachal Pradesh :

1. Chief Secretary
2. Commissioner (Home)
3. Director General of Police,
4. Deputy Commissioner, Ziro
4. DIG (Int)
5. General Manager,RHEP(NEEPCO),Yazali

Therefore, it is requested to kindly make it convenient to attend the said meeting.

Sd/-(H.K.Paliwal)
Chief Secretary,
Govt. of Arunachal Pradesh, Itanagar.

Memo.No.HMB (B)-44/2010 Dated Itanagar, the 18th Nov'2013

Copy to :-

1. The Director General of Police, PHQ, Arunachal Pradesh, Itanagar.
2. The DIG (Int), Arunachal Pradesh, Itangar
3. The General Manager, Ranganadi Hydro Electric Plant(NEEPCO), Yazali, District Lower Subansiri.
4. The Deputy Commissioner, Ziro.
5. PS to Chief Secretary, Govt. of AP, Itanagar
6. PS to Commissioner (Home), Govt. of AP, Itanagar.
7. Office copy.

18/11/13

(G.Rime)
Deputy Secretary (Home).

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Copy with enclosure to:

1. **Director/Vig. Ministry of Power, Shram Shakti Bhawan, New Delhi** – for information and necessary action.
2. **Joint Secretary/PP, MHA** - for information. It is requested that the I/R may please be returned to IB after perusal.
3. **The Chief Secretary, Government of Arunachal Pradesh, Itanagar**-for information.
4. **DIG (INT)- Itanagar, Arunachal Pradesh** for information.

-sd-

Addl. Deputy Director

Encl: Copy No. 1 of the report.

ACKNOWLEDGMENT SLIP

Receipt of IB letter No.20/IS/2013(26)-ARP- dated along with its enclosures is hereby acknowledged.

Signature
Designation
Stamp of Office

The SO/IS,
IB, MHA (GOI),
35, S.P. Marg, New Delhi -110 021.

Copy No.....1.....

CONFIDENTIAL

INTELLIGENCE BUREAU

INDUSTRIAL SECURITY INSPECTION REPORT

ON

Ranganadi Hydro Electric Plant (NEEPCO), Yazali, Distt. Lower Subansiri, Arunachal Pradesh (April 05, 2013)

INSPECTION REPORT ON THE SECURITY ARRANGEMENTS AT RANGANADI HYDRO ELECTRIC PLANT (NEEPCO), YAZALI, DISTT. LOWER SUBANSIRI, ARUNACHAL PRADESH - APRIL 5, 2013

1. INTRODUCTION

- Date of previous inspection: March 9 -10, 2009
- Date of Present inspection: April 05, 2013
- Composition of inspection team:

  S/Shri.
  1. S. K. Trivedi, Addl. Dy. Director, IB
  2. Bhupinder Singh, DCIO, IB
  3. D. K. Rai, DCIO, SIB, Itanagar

- Shri. R. S. Yaduvanshi, DGM (Security), Ranganadi Hydro Electric Plant, NEEPCO accompanied the team during inspection.
- Name of the officers from management side with whom discussions were held on security matters:

  S/Shri
  1. Devtos Bhattacharjee, DGM (Electrical)
  2. Jawahar Choudhary, DGM (Civil)
  3. Sidharath Sarkar Dev, Sr Manager (Finance)
  4. Changer Dingia, Manager (Safaty)

- The senior officers of the project including the security head were also briefed about the security issues and the security recommendations after the inspection, particularly regarding need to deploy an armed security force/ State Police for security of the installation.
- Nearest railway station: Harmuti, 35 km away.
- Nearest airport: Leelabari (North Lakhimpur, Assam), 75 km away.
- Nearest police station: Doimukh 20 km away.

2. BRIEF DESCRIPTION

- Ranganadi Hydro Electric Plant (RHEP) consists of a 68-meter high concrete gravity dam across river Ranganadi, a tributary of river Brahmaputra, near Yazali, Distt. Lower Subansiri, Arunachal Pradesh and a 405 MW powerhouse located at Hoz (Yayee village), Distt. Papumpare, Arunachal Pradesh. Distance between the dam site and the powerhouse is about 30 km by road.

- The powerhouse is connected to the dam by a 10.134 km long tunnel of 6.80 meter diameter. The powerhouse is located over ground and has 3 units each of 135 MW. The water from the powerhouse is discharged into Dikrong River. The switchyards (132 KV and 400 KV) are located beside the powerhouse.

- The North-eastern States of India are the beneficiaries of the power produced by the plant.

- The power requirements of the powerhouse, dam, administrative office and residential colony are met internally. In addition there are 5 DG sets (3 of 625 KVA, 01 of 380 KVA and 01 of 250 KVA) for power back up. The daily consumption of power is 1 MW.

- The water requirements of the project areas are met through Ranganadi River.

- The dam has two access points at two ends. While one access point is guarded by Meghalaya Home Guards the other is left unguarded.

- The powerhouse and the 400 KV switchyard are covered by a 6 ft. high perimeter wall. The 132 KV switchyard is covered by a fence.

- There are 02 gates in the powerhouse. One gate is used for entry/exit of employees/ labourers/ visitors and the other gate is used for movement of materials. The gates are manned round the clock by Meghalaya Home Guards.

- There are 04 watchtowers in the powerhouse complex but the same are not manned.

- The office complex is covered by chain link fencing and has 3 gates manned by NEEPCO security.

- The project has been declared as 'Protected Area' under "The Assam Maintenance of Public Order Act, 1947" (Extended to Arunachal Pradesh) and notice boards in this regard are displayed at the entry points of the project.

- Entry/exit of the employees is regulated through photo identity cards issued from the NEEPCO corporate office. Some casual employees (employed on 89 days basis) have been issued with identity cards at the project level.

- Entry/exit of the contact labourers are regulated on the basis of photo entry permit issued after recommendations from the concerned departmental heads and endorsement by the Security In-charge.

- Casual labourers are allowed on the basis of temporary entry permit, valid for 30 days, issued after recommendations from the concerned departmental heads and endorsement by the Security In-charge

- Visitors are allowed on the basis of casual entry permit/ visitor pass issued by Security In-charge at the gate on the basis of permission granted by the departmental heads.

- There is no system of material gate pass. However, movements of materials are recorded at the gates.

- For communication there are 77 DoT connections. In addition there are 84 EPABX connections for the powerhouse and 100 EPABX connections for the dams site.

- There are 04 Fax Machines and 12 Photostat machines in the project.

- The project is also provided with wireless network connectivity with dedicated bandwidth at administrative complex/ dam site.

- V-SATs are installed in the project area to provide connectivity with the Corporate Head Quarter at Shillong and other projects of the Corporation.

- There are 93 computers and 03 server and all PCs are connected on LAN/WAN with Internet facility. The cyber security aspects are monitored form NEEPCO Corporate Head Quarter at Shillong.

- Shri S. Chakraborti, General Manager is the head of the installation. There are total 372 staff (Sr. Executives - 11, Executives - 56, Supervisors - 47, Workmen – 154 and casual employees (89 days basis) - 104) to assist him.

- Security of the project is looked after by departmental security headed by a DGM. He is assisted by 93 security personnel (JCOs - 03, NCOs - 29 and security guards - 61).

- The security personnel are provided with 06 HHMDs and 03 Trolley Mirrors.

- The installation has its own fire station. There are 07 fire-trained personnel in the installation.

- The fire station has been provided with 01 fire tender. Fire extinguishers of various types have also been installed at powerhouse (112) and dam site (27).

- The nearest State fire stations are at Naharlagun (from powerhouse) and Ziro (from administrative complex/ dam site) located at 30 km and 50 km respectively.

- The Contingency plan exists and mock drills are conducted periodically. The last mock drill was held on March 13, 2013.

3. THREATS AND VULNERABILITY ASSESSMENT

- Inputs continue to indicate that the Pak based terrorist organizations, particularly the LeT have plans to target critical infrastructure of India. Ranganadi Hydro Electric Plant (RHEP)

being the largest power installation of North East could be targeted by forces inimical to Indian interests.

- The district of Lower Subansiri is peaceful, however, a few districts of Arunachal Pradesh like East Siang, Papumpare, Lohit, Tirap and Changlang have presence of insurgent/UG organizations (ULFA, NSCN-IM, NSCN/K, etc.). RHEP could be targeted by such elements.

- The project could also be targeted by local/ project affected people for fulfilling of their various demands. The local contractors may also target project officials for undue favour in award of contracts.

- Damage to the installation by disgruntled/ ideologically subverted employees during strikes/ agitations and by an irate mob during civil commotion also cannot be ruled out. There are some causal workers (104) who have been demanding for regularization of their jobs and agitating for fulfillment of their demand.

- Theft, pilferage of costly items and fire are other potent threats

4. STATUS OF PENDING RECOMMENDATIONS

Sl. No.	Recommendations	Management's view	MHA/IB Observations
1.	Security personnel deployed at the gate (dam site, administrative block and powerhouse) are inadequate in number. Keeping in view the national importance of the installation, there is a need for posting security personnel from Central Para Military Forces (CISF/CRPF/ITBP)	Deficiency of security manpower at the project had been conveyed to the Head quarter.	An armed security force is urgently required for proper security of the plant.

Sl. No.	Recommendations	Management's view	MHA/IB Observations
	for proper security of the hydropower project.		
2.	A small 'masjid' is located in a shed near the Medical Center, 100 meters away from administrative building over looking the river and near the exit gate. Muslim employees (20) offer their namaz in this masjid. However, they are not regular visitors to the masjid and gathering is negligible. The Yazuli village is also having sizeable number of Muslim population. They are engaged in small business and petty works. The maulana hails from Assam. Plain cloth security personnel should be deployed at the time of Namaz to observe any new face offering namaz in the masjid so that no undesirable element is able to take advantage of the situation.	Due to shortage of security manpower, deployment for observation of visitors at the Masjid could not be carried out.	In case outsiders , are visiting the mosque, the management may liaise with the local police to keep a discreet watch on them.

Sl. No.	Recommendations	Management's view	MHA/IB Observations
3.	No watchtower is available in the Power House. Four watchtowers on the four corners of the Powerhouse (including the transformers) may be constructed with revolving flood lighting system.	Security posts at two ends, front and back of the powerhouse and switchyard have been constructed and deployed with security personnel round the clock, Sufficient flood lighting has been provided in the powerhouse and switch yard.	During inspection it was found that some works relating to stairs of the security posts were incomplete and the same need to be completed on priority.
4.	Trolley mirrors, Hand Held Metal Detectors may be provided to the security staff deployed at the entry gate of Power House, Dam Site and administrative building	Trolley mirrors, HHMD have been procured and being utilized.	Usage of these gadgets was not observed during inspection. These gadgets need to be utilized for proper anti-sabotage checking at the access points.
5.	Establishment of two police stations one each at Yazali town (Dist. Lower Subansiri) and Hoz, powerhouse (Dist. Papumpare) may be considered.	NEEPCO has requested Govt. of Arunachal Pradesh for opening Police station at powerhouse, Hoj.	The matter needs to be pursued with the State Government.

5. FRESH RECOMMENDATIONS

i) The pending recommendations need to be implemented on priority.

ii) Till security manpower is augmented and deployment of an armed security force is decided by the NEEPCO Hqrs, the RHEP management may liaise with the State Government for deployment of a contingent of local police both at the dam and the powerhouse, as an interim arrangement.

iii) At the dam site the security manpower needs to be deployed also on the left side so that there is proper access control on the dam.

iv) The perimeter wall of the powerhouse and fence of the switchyard need to be provided with 'Y' shaped barbed wire overhang and concertina coil topping.

v) The riverside of the powerhouse and switchyard need to be properly illuminated so that any suspicious movement could be immediately detected by the security personnel.

vi) The dam site, powerhouse and switchyard need to be covered through CCTVs and monitored round the clock by trained security staff. The CCTV footages need to be recorded and retained for minimum 90 days.

vii) There should be well armed Quick Reaction Team both at the dam site and the powerhouse with proper communication with the security control to react to any emergency situation.

viii) Material gate pass system needs to be introduced in the plant so that all entry and exit of material is regulated on the basis of such passes signed by authorized officials. The specimen signatures of the authorized officials should be available at the gate.

ix) The character and antecedents of regular contract labourers (104) need to be verified through the local police.

x) There should be 3/4 drivers for fire tender so that a driver is available round the clock.

xi) The PLCC/RTU room in the powerhouse remains locked and not manned. This should be provided with fire alarm/fire sensor.

xii) The wild growth of vegetation in switchyard need to be immediately cleared.

xiii) There should be proper and reliable communication with the local police along with a SOP so that their help is available in case of any emergency.

xiv) There should be a contingency plan to deal with security related emergencies vetted by district authorities. Mock drills need to be conducted periodically so that all the agencies are aware about their duties and responsibilities in case of various contingencies.

xv) A security coordination committee may be formed under the head of the installation consisting of members from security, local police, intelligence agencies and the district administration. The committee should meet periodically to discuss security related issues.

* * * * *

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazली, अरुणाचल प्रदेश /YAZALI, A.P-791119
होज सिविल मेंटेनेंस विंग, होज, रेप्प / HOZ Civil Maint. Wing, HOZ, RHEP
ई-मेल /E-Mail ID:- hcmw2012@gmail.com दूरभाष/फो.- 03809-244204/244211

ISO9001, 14001
&
OHSAS 18001

File no: Sr. M(C)/HCMW/RHEP/T-6/2019-20/ 95 Dtd: 01/05/19

To,

M/S T.R. Enterprises
RUB, Dist. Lower Subansiri,
Arunachal Pradesh.

Sub: *Construction of boundary wall along Tran's arunachal highway at dikrong power house complex, hoj, RHEP, A.P (Grp-1).* 95 m

Dear Sir,

With reference to the above work for *"Construction of boundary wall along Tran's arunachal highway at dikrong power house complex, hoj, RHEP, A.P (Grp-1)"* The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) is pleased to place this order on you for execution of the work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Scope of work:** As per specification of items of work as laid down in bill of quantities.
2) **Value of Work:** ₹ **10, 21,799.00** (Rupees Ten Lakhs Twenty One Thousand Seven Hundred and Ninety Nine only).
3) **Time of completion: 45 (Forty Five) days from the date of issue of work order.**
4) **Quantity and Rate**: As enclosed in BOQ. The rates are inclusive of all taxes.
5) **Taxes, Duties, Levies**: The rates are inclusive of all taxes (i.e 1 % B.Cess and 18% GST) and remain firm till the completion of work.
6) **Goods & Service Tax (GST)**: The work order amount is inclusive of GST. The rate of GST considered is 18 %(eighteen percent). Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
7) **Compensation for delay**: If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
8) **Technical specification**: As per specification mentioned in the BOQ and as directed by the Engineer-in-charge.
9) **Quantity Variation**: The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
10) **Defect Liability Period**: Defect liability period shall be of 12(Twelve) months from the date of completion of work .The contractor shall make good defects observed/pointed out during the defect liability period or completion of defect rectification work to the satisfaction of the Engineer-in-charge duly deducting any outstanding dues, if any, against the work.

Scanned with ACE Scanner

11) **Mode of payment:** 90 %(ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Paying Authority:** The Sr. Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.
13) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.
14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
16) **General Safety:** All necessary / adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.
19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to start the work immediately and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Yours sincerely

Sr. Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: Sr. M(C)/HCMW/RHEP/T-6/2019-20/ 96-100 Dtd 01/05/19

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference to his approval accorded vide HOP,RHEP, U.O no 104 Dtd 09/04/2019
2) The DGM (C), RHEP, Yazali, A.P for favour of kind information please.
3) The Sr. Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of HOP is enclosed herewith.
4) The Manager (C), Vigilance, RHEP, Yazali, and A.P for information please.
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Sr. Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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BILL OF QUANTITY

Name of work: Construction of boundary wall along trans arunachal highway at dikrong power house complex, hoj, RHEP, A.P, GR-1.

Sl. No.	Item	Unit	Qnty	Rate	Amount
1	**Earth Work:**				
(I)	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m	CuM	26.145	289.00	7555.91
2	**P. C. C**				
(I)	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	0.288	8420.00	2424.96
(II)	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in :b) Walls including attached buttresses, pilasters and their caps and bases and string courses etc. up to floor two level.	Cum	16.031	9332.00	149601.29
3	**R. C. C**				
(I)	Reinforced concrete work in foundations, footings, bases of columns etc. and mass concrete excluding cost of centring, shuttering and reinforcement in a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	3.820	9435.00	36041.70
(II)	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but exluding cost of centring, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	6.188	10683.00	66106.40
(III)	Reinforced cement concrete work in lintels, beams and bresumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal	Cum	6.750	10582.00	71428.50
4	**Shuttering and Form Work:**				
	Centring and shuttering including strutting, propping etc and removal of form work for :				
(I)	Foundation, footings, bases of columns etc. and mass concrete.	SqM	46.86	360.00	16869.60
(II)	b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	SqM	81.00	492.00	39852.00
(III)	Lintels, beams, girders, bressumers and cantilevers etc.	SqM	81.00	476.00	38556.00
(IV)	Column, pillars, posts and struts etc.	SqM	99.00	606.00	59994.00

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BILL OF QUANTITY

Sl. No.	Item	Unit	Qntty	Rate	Amount
5	**Brick Work:**				
(I)	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	Sqm	145.130	1199.00	174010.87
(II)	Extra for half brick masonry in superstructure above plinth level and up to floor two level.	Sqm	145.130	37.00	5369.81
6	**Steelwork**				
(I)	Reinforcement of RCC work including bending, binding and placing in position complete. b) Tor/ TMT steel	Kg	2059.170	91.00	187384.47
(II)	Steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red lead paint.				
	b) In Tees, Angles and channels	Quintals	1.230	10446.00	12848.58
7	**Plastering:**				
(I)	12 mm cement plaster 1 :4 (1 cement : 4 fine sand).	Sqm	290.250	185.00	53696.25
8	**Painting:**				
(I)	Applying one coat of cement primer of approved brand and manufacture on wall surface.	Sqm	481.050	38.00	18279.90
(II)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.	Sqm	481.050	170.00	81778.50
				Total ₹	1021798.74
				Say ₹	10,21,799.00

(Rupees Ten Lakhs Twenty One Thousand Seven Hundred and Ninety Nine) only

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
होज सिविल मेन्टिनेन्स डिवि
Hol, Arunachal Pradesh

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ISO 9001-2008

ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Govt. of India Enterprise)

Office of the Sr.Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

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COMPLETION CERTIFICATE

Certified that M/S T.R Enterprises has completed the work," Construction of boundary wall along trans arunachal highway at dikrong power house complex, hoj. RHEP, A.P.Grp-1" wide work order no: SSr.M(C)/HCMW/RHEP/T-6/2019-20/95 dtd 01/05/2019, *in all respect as on 30/05/2019 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
याजली, अरुणाचल प्रदेश /YAZALI, A.P-791119
हौज सिविल मेंटेनेंस विंग, हौज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP
ई-मेल /E-Mail ID:- hcmw2012@gmail.com दूरभाष/फो.- 03808-244204/244211

ISO9001, 14001
&
OHSAS 18001

File no: DGM(C)/HCMW/RHEP/T-6/2019-20/ 218 Dtd: 01/06/2019

To,

M/S T.R. Enterprises
RUB, Dist. Lower Subansiri,
Arunachal Pradesh.

Sub: ***Construction of boundary wall along Tran's arunachal highway at dikrong power house complex, hoj, RHEP, A.P (Grp-2).***

Ref: **LNIT No: 13 of 2018-19/ HCMW Dtd: 25/02/2019**

Dear Sir,

With references to the above, work for ***"Construction of boundary wall along Tran's arunachal highway at dikrong power house complex, hoj, RHEP, A.P (Grp-2)"*** The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) is pleased to place this order on you for execution of the work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Scope of work:** As per specification of items of work as laid down in bill of quantities.
2) **Value of Work: ₹ 10, 21,799.00** (Rupees Ten Lakhs Twenty One Thousand Seven Hundred and Ninety Nine only).
3) **Time of completion: 45 (Forty Five) days** from the date of issue of work order.
4) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
5) **Taxes, Duties, Levies:** The rates are inclusive of all taxes (i.e 1 % B.Cess and 18% GST) and remain firm till the completion of work.
6) **Goods & Service Tax (GST):** The work order amount is inclusive of GST. The rate of GST considered is 18 %(eighteen percent). Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0**.
7) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
8) **Technical specification:** As per specification mentioned in the BOQ and as directed by the Engineer-in-charge.
9) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.

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10) **Defect Liability Period:** Defect liability period shall be of 12(Twelve) months from the date of completion of work .The contractor shall make good defects observed/ pointed out during the defect liability period or completion of defect rectification work to the satisfaction of the Engineer-in-charge duly deducting any outstanding dues, if any, against the work.
11) **Mode of payment:** 90 %(ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Paying Authority:** The Sr. Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.
13) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.
14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.
19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to start the work immediately and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Yours sincerely

DGM (c)
HCMW, RHEP, NEEPCO Ltd.

Memo no: DGM(C)/HCMW/RHEP/T-6/2019-20/ 249-52 Dtd 01/06/2019

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference to his approval accorded vide HOP,RHEP, U.O no 105 Dtd 09/04/2019
2) The DGM (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of HOP is enclosed herewith.
3) The Sr. Manager (C), Vigilance, RHEP, Yazali, and A.P for information please.
4) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

DGM(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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BILL OF QUANTITY

Name of work: Construction of boundary wall along trans arunachal highway at dikrong power house complex hoj, RHEP, A.P, GR-2.

Sl. No.	Item	Unit	Qntty	Rate	Amount
1	**Earth Work:**				
(I)	Earth work in excavation in foundation and trenches in soils contuining 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m	CuM	26.145	289.00	7555.91
2	**P. C. C**				
(I)	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	0.288	8420.00	2424.96
(II)	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in :b) Walls including attached buttresses, pilasters and their caps and bases and string courses etc. up to floor two level.	Cum	16.031	9332.00	149601.29
3	**R. C. C**				
(I)	Reinforced concrete work in foundations, footings, bases of columns etc. and mass concrete excluding cost of centring, shuttering and reinforcement in a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	3.820	9435.00	36041.70
(II)	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but exluding cost of centring, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	6.188	10683.00	66106.40
(III)	Reinforced cement concrete work in lintels, beams and bresumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal	Cum	6.750	10582.00	71428.50
4	**Shuttering and Form Work:**				
	Centring and shuttering including strutting, propping etc and removal of form work for :				
(I)	Foundation, footings, bases of columns etc. and mass concrete.	SqM	46.86	360.00	16869.60
(II)	b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	SqM	81.00	492.00	39852.00
(III)	Lintels, beams, girders, bressumers and cantilevers etc.	SqM	81.00	476.00	38556.00
(IV)	Column, pillars, posts and struts etc.	SqM	99.00	606.00	59994.00

Dy General Manager (C)
HCC Civil Maintenance Wing
NEEPCO Ltd
Dist (AP)

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BILL OF QUANTITY

Sl. No.	Item	Unit	Quity	Rate	Amount
5	**Brick Work:**				
(I)	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 course sand) in foundation and plinth.	Sqm	145.130	1199.00	174010.87
(II)	Extra for half brick masonry in superstructure above plinth level and up to floor two level.	Sqm	145.130	37.00	5369.81
6	**Steelwork**				
(I)	Reinforcement of RCC work including bending, binding and placing in position complete. b) Tor/ TMT steel	Kg	2059.170	91.00	187384.47
(II)	Steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red lead paint.				
	b) In Tees, Angles and channels	Quintals	1.230	10446.00	12848.58
7	**Plastering:**				
(I)	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	Sqm	290.250	185.00	53696.25
8	**Painting:**				
(I)	Applying one coat of cement primer of approved brand and manufacture on wall surface.	Sqm	481.050	38.00	18279.90
(II)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.	Sqm	481.050	170.00	81778.50
				Total ₹	1021798.74
				Say ₹	10,21,799.00

(Rupees Ten Lakhs Twenty One Thousand Seven Hundred and Ninety Nine) only

By General Manager (C)
Rce Cost Maintenance West,
RTP, SPDCL Ltd,
Hyd. (A.P.)

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Govt. of India Enterprise)
Office of the Sr.Manager(C)
Hoz.Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S T.R Enterprises has completed the work," Construction of boundary wall along trans arunachal highway at dikrong power house complex, hoj. RHEP, A.P.Grp-2" wide work order no: DGM(C)/HCMW/RHEP/T-6/2019-20/248 did 01/06/2019, *in all respect as on 26/06/2019 within the stipuulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer(C),HCMW

Dy. General Manager (C), HCMW

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नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
याजली, अरुणाचल प्रदेश /YAZALI, A.P-791119
होप सिविल मेंटिनेंस विंग, होज, रेप / HOZ Civil Maint. Wing, HOZ, RHEP
ई-मेल /E-Mail ID:- hcmw2012@gmail.com दूरभाष/टेलि.- 03809-244204/244211

ISO9001, 14001
&
OHSAS 18001

File no: Sr. M(C)/HCMW/RHEP/T-6/2019-20/ 181 Dtd: 01/05/2019

To,

M/S T.R. Enterprises
RUB, Dist. Lower Subansiri,
Arunachal Pradesh.

Sub: *Construction of boundary wall along Tran's arunachal highway at dikrong power house complex, hoj, RHEP, A.P (Grp-3).*

Dear Sir,

With reference to the above work for "*Construction of boundary wall along Tran's arunachal highway at dikrong power house complex, hoj, RHEP, A.P (Grp-3)*" The undersigned on behalf of North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) is pleased to place this order on you for execution of the work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Scope of work:** As per specification of items of work as laid down in bill of quantities.
2) **Value of Work: ₹ 10, 21,799.00** (Rupees Ten Lakhs Twenty One Thousand Seven Hundred and Ninety Nine only).
3) **Time of completion: 45 (Forty Five) days** from the date of issue of work order.
4) **Quantity and Rate**: As enclosed in BOQ. The rates are inclusive of all taxes.
5) **Taxes, Duties, Levies**: The rates are inclusive of all taxes (i.e 1 % B.Cess and 18% GST) and remain firm till the completion of work.
6) **Goods & Service Tax (GST)**: The work order amount is inclusive of GST. The rate of GST considered is 18 %(eighteen percent). Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
7) **Compensation for delay**: If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
8) **Technical specification:** As per specification mentioned in the BOQ and as directed by the Engineer-in-charge.
9) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
10) **Defect Liability Period:** Defect liability period shall be of 12(Twelve) months from the date of completion of work .The contractor shall make good defects observed/ pointed out during the defect liability period or completion of defect rectification work to the satisfaction of the Engineer-in-charge duly deducting any outstanding dues, if any, against the work.

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11) **Mode of payment:** 90 %(ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Paying Authority:** The Sr. Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.
13) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.
14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.
19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to start the work immediately and attend this office along with a rs. judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Yours sincerely

Sr. Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: Sr. M(C)/HCMW/RHEP/T-6/2019-20/ 102-06 Dtd 01/05/19

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference to his approval accorded vide HOP,RHEP, U.O no 106 Dtd 09/04/2019
2) The DGM (C), RHEP, Yazali, A.P for favour of kind information please.
3) The Sr. Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of HOP is enclosed herewith.
4) The Manager (C), Vigilance, RHEP, Yazali, and A.P for information please.
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Sr. Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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BILL OF QUANTITY

Name of work: Construction of boundary wall along trans arunachal highway at dikrong power house complex, hoj, RIIEP, A.P, GR-3.

Sl. No.	Item	Unit	Quity	Rate	Amount
1	**Earth Work:**				
(I)	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m	CuM	26.145	289.00	7555.91
2	**P. C. C**				
(I)	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	0.288	8420.00	2424.96
(II)	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in :b) Walls including attached buttresses, pilasters and their caps and bases and string courses etc. up to floor two level.	Cum	16.031	9332.00	149601.29
3	**R. C. C**				
(I)	Reinforced concrete work in foundations, footings, bases of columns etc. and mass concrete excluding cost of centring, shuttering and reinforcement in a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	3.820	9435.00	36041.70
(II)	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	6.188	10683.00	66106.40
(III)	Reinforced cement concrete work in lintels, beams and bressumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal	Cum	6.750	10582.00	71428.50
4	**Shuttering and Form Work:**				
	Centring and shuttering including strutting, propping etc and removal of form work for :				
(I)	Foundation, footings, bases of columns etc. and mass concrete.	SqM	46.86	360.00	16869.60
(II)	b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	SqM	81.00	492.00	39852.00
(III)	Lintels, beams, girders, bressumers and cantilevers etc.	SqM	81.00	476.00	38556.00
(IV)	Columns, pillars, posts and struts etc.	SqM	99.00	606.00	59994.00

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BILL OF QUANTITY

Sl. No.	Item	Unit	Qutty	Rate	Amount
5	**Brick Work:**				
(I)	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	Sqm	145.130	1199.00	174010.87
(II)	Extra for half brick masonry in superstructure above plinth level and up to floor two level.	Sqm	145.130	37.00	5369.81
6	**Steelwork**				
(I)	Reinforcement of RCC work including bending, binding and placing in position complete. b) Tor/ TMT steel	Kg	2059.170	91.00	187384.47
(II)	Steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red lead paint.				
	b) In Tees, Angles and channels	Quintals	1.230	10446.00	12848.58
7	**Plastering:**				
(I)	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	Sqm	290.250	185.00	53696.25
8	**Painting:**				
(I)	Applying one coat of cement primer of approved brand and manufacture on wall surface.	Sqm	481.050	38.00	18279.90
(II)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.	Sqm	481.050	170.00	81778.50
				Total ₹	1021798.74
				Say ₹	10,21,799.00

(Rupees Ten Lakhs Twenty One Thousand Seven Hundred and Ninety Nine) only

(Civil)

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Govt. of India Enterprise)
Office of the Sr.Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S T.R Enterprises has completed the work," Construction of boundary wall along trans arunachal highway at dikrong power house complex, hoj. RHEP, A.P.Grp-3" wide work order no: SSr.M(C)/HCMW/RHEP/T-6/2019-20/174 dtd 07/05/2019, *in all respect as on 30/05/2019 within the stipuulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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FY 2019-2020
Annexure-3

Indian Standard

FIRST FILLING AND EMPTYING OF PRESSURE TUNNELS — GUIDELINES

1 SCOPE

1.1 This standard covers the guidelines and precautions to be observed for first filling and emptying of the pressure tunnels of water conductor system of hydro-electric projects.

2 GENERAL

2.1 Water conductor system of a hydro-electric project generally consists of the following components:

a) Intake structure,
b) Head race tunnels,
c) Surge tank,
d) Valve house,
e) By-pass,
f) Penstocks/pressure shafts,
g) Draft tube,
h) Downstream surge tank, and
j) Tail race.

3 CHECK LIST

3.1 Before commencement of filling operation, it shall be ensured that all construction material, labour and departmental personnel are cleared from the entire water system. Before actually filling the system, the following checks (**3.1.1** to **3.1.9**) shall be exercised.

3.1.1 *Intake Structure*

a) Trash-rack and air vent shall be cleaned and its cleaning device shall be checked. In projects where trash-rack cleaning device is not equipped, the racks shall be inspected manually.
b) Gates/stop logs shall be checked for their seals, tracks, guides and smooth operation of gates. Filler valves shall also be checked, if provided.
c) Hoisting arrangements shall be checked for proper operation.
d) Automatic system for operation and alarms shall be checked.
e) A telephone/wireless set shall be provided at gate with trained crews posted for operation of gate.

3.1.2 *Head Race Tunnel*

a) It shall be thoroughly inspected. All the construction material/equipment shall be removed and the tunnel cleared of all extraneous material.
b) It shall be repaired, wherever required.
c) It shall be ensured that all cold joints are properly treated.
d) It shall be ensured that contact grouting has been done in the prescribed reaches and shall be in accordance with the design requirements.
e) It shall be ensured that consolidation grouting has been done in the prescribed reaches and shall be in accordance with the design requirements.
f) It shall be ensured that all the points, such as, man-hole construction adits, etc, have been properly sealed/plugged in accordance with design requirements.
g) It shall be ensured that all the instruments required for observations before filling, during filling and after filling have been installed at required locations and are in proper working order.
h) Drainage holes and dewatering pipe, wherever provided, shall be checked and it shall be ensured that these are functioning properly and there is no particle flow.
j) It shall be ensured that proper arrangements for gradual filling and dewatering are functioning properly.
k) It shall be ensured that there is no obstruction in the air vent pipes, where provided, and around outlet and inlet pipes.
m) It shall be ensured that the adit gates, where provided, are working and sealing have been bolted/locked properly.

3.1.3 *Surge Tank*

a) Gates/stop logs, wherever provided, in the surge tank shall be checked for their seals, tracks, guides, etc, by lowering/raising in respective slots or all the slots. It is also necessary to check filler valves to ensure balanced operation of gates.
b) Hoisting arrangement for the above shall be checked for proper operation.
c) Water level indicators, automatic system for operation and all the alarms shall be checked.
d) Drainage galleries, if provided, around the surge tank shall be cleaned.

नॉर्थईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
संयंत्रप्रमुखकाकार्यालय OFFICE OF THE HEAD OF PLANT
रंगानदी जल विद्युतसंयंत्र: RANGANADI HYDRO ELECTRIC PLANT
पो.ऑ. : रंगानदी प्रोजेक्ट P.O. : RANGANADI PROJECT
याजली, अरुणाचल प्रदेश /YAZALI, ARUNACHAL PRADESH-791119
Ph. No. 03869-222201
FAX : 03869-222212
e-mail : contracts.rhep@gmail.com
09001:2015,14001:2015,
OHSAS 18001:2007

No: NEEPCO/RHEP/HOP/T – 42/2018-19/ 2899 Dtd 5/3/19.

To,

M/s PES Engineers Pvt. Ltd.,
1st Floor, Pancom Chambers,
6-3-1090/I/A Rajbhavan Road,
Somajiguda, Hyderabad-500082

Subject: **Detailed Order for "Repairing of Surge Shaft Gate & Hoist System of Ranganadi Hydro Electric Plant".**

Ref:
i. Your Offer Letters No PESPL/115-1/2018/1295 dtd 24.11.2018 & 1301 dtd 26.11.2018.
ii. Minutes of Meeting between NEEPCO & PES dtd 9th January 2019.
iii. Letter of Intent No. NEEPCO/RHEP/HOP/T-42/18-19/2763 Dtd. 14.02.2019
iv. Your acceptance of LOI vide L/No. PESPL/115-1/2019/159 dated 21.02.2019

Dear Sir(s),

With reference to the above, the undersigned on behalf of North Eastern Electric Power Corporation(NEEPCO) Ltd., (herelnafter referred to as "the Owner") is pleased to place this order, on your company (herelnafter referred to as "the Contractor") for Repairing of Surge Shaft Gate and Hoist System of Ranganadi Hydro Electric Plant' as per the following terms & conditions.

A. SCEDULE OF PRICES: The Schedule of Prices is enclosed as **Annexure-A.**

B. SCOPE OF WORK:
The detailed Scope of the Work under this Order is enclosed as **Annexure-B**
All arrangements & equipments required to carry out the repairing work shall be within the scope of the contractor under this order. The scope of works includes minor fabrication works to be carried out to assist the repairing works, but with the exclusion of any such works to be carried out on the main structure.

C. TERMS & CONDITIONS:

1. PRICE:
The rates are exclusive of GST. The rates shall remain firm till the completion of work and no escalation on the prices shall be admissible under any circumstances.

2. TAXES:
The applicable rates of GST at the time of execution of work/billing shall be paid extra.

3. VALUE OF THE WORK:
₹ 84,00,000 (Rupees Eighty-Four Lacs) only on the work given in the Schedule of Prices, which is exclusive of the applicable GST, duly enclosed as Annexure A.

4. TIME OF COMPLETION:
The entire repairing works is to be completed within 02 (two) month from date of handing over the site. However, efforts should be made to complete the job at the earliest, preferably within 15th April 2019.

5. TERMS OF PAYMENT:
90% Payments shall be released against Running Accounts Bill for the executed portion of the work and on full satisfaction of the E-I-C. However, a total of 04 (four) nos. RA Bill shall be admissible excluding final bill which shall be paid on completion of the works in totality. Balance 10% of the contract value shall be kept as performance security deposit which shall be released after expiry of defect liability period.

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Or

100% (hundred percent) payment shall be made against Running Accounts Bill for the executed portion of the work and on full satisfaction of the E-I-C subject to submission of Performance Bank Guarantee of 10% (ten percent) of the contract value. The Bank Guarantee shall be released after expiry of defect liability period. However, a total of 04 (four) nos. RA Bill shall be admissible excluding final bill which shall be paid on completion of the works in totality.
Bill in triplicate may be submitted to E-I-C for effecting admissible payment.

6. PRICE ESCALATION:
No price escalation will be applicable and all the rates indicated in the Order shall remain FIRM for the entire contract period or extended time as may be required not withstanding any increase or decrease in the cost of labour, materials price index whatsoever.

7. ITEM OF WORKS:

7.1 The contractor shall provide all incidental and auxiliary Tools, tackles and arrangements necessary for completion of the repairing work. The contractor shall also be responsible for its ensuring the safe and optimum performance of all T&P materials engaged. Adequacy of such equipment will be subject to final approval by the Engineer-in-Charge.

7.2 However, supply of the Motor (specifications) and the Steel Wire Rope, required for hoisting of the Surge-Shaft Gate, shall be supplied departmentelly which

7.3 All materials as may be necessary for the satisfactory and successful completion of the work in accordance with the scope shall be provided by the Contractor, subject to its conformity to the standard specifications. The materials required in execution of the repairing works shall also include all consumable materials to be supplied by the contractor.

7.4 The materials to be supplied by the contractor shall include but not be limited to the following: -

a. Transporting of equipment and materials from the storage place to the work site.
b. Providing adequate mechanical and weather proof protection for any equipment utilised in the work.
c. Providing all temporary power and lighting facilities inclusive of all materials, required for the repairing work.
d. All the works shall be carried out to the satisfaction of the Engineer-in-Charge, who shall ensure that the repairing work is carried out in conformity to the scope of work as underlined in Annexure – B enclosed herewith.
e. The contractor shall also be liable for recovery of repairing cost / cost of damage in the event of any mishandling or damage is noticed attributable solely to the contractor. The details of the recovery charges so imposed shall be made available to the contractor.

8. DEPLOYMENT OF MANPOWER

The Contractor shall be responsible for any manpower engaged against this work. The Contractor shall employ labour in sufficient numbers to maintain the required rate of progress and ensure completion of the work within the time period as specified in the Order. The Contractor shall not employ in connection with the works any person who has not completed his fourteen years of age.

Necessary security clearance prior to their engagement shall be obtained from the Security Wing, RHEP. The Contractor shall also co-ordinate with the Engineer –In Charge prior to any activity being carried out inside the surge shaft.

9. SUPERVISION OF THE CORPORATION:

The repairing work shall be carried out under the supervision of the E-I-C or any authorised representative deputed by the E-I-C on behalf of the Corporation. The Engineers of the Corporation and other supervisors authorized/ deputed by the Corporation will guide the contractor with technical advice and suggestions, it will be responsibility of the contractor to complete the job satisfactorily.
The Engineers of the Corporation or any of his authorized supervisory personnel or his behalf will also have the right to inspect the materials/ spares/ consumables provided by the contractor to be utilised in the repairing works of the Surge-Shaft Gate and the auxiliary equipments. If necessary replacement of the materials, if any, as directed by the E – I – C or his authorised representatives.

The Engineers of the Corporation or any of his authorized supervisory personnel or his behalf will have the right to issue directive to the contractor on the discretion relating to the repairing work being undertaken, any to be adopted, safety precautions to be taken and priorities in the work to be followed. The decision of the Engineer-In-Charge shall be final and binding all respect.

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10. PAYING AUTHORITY:

The Sr. Manager (Fin), F&A Wing, RHEP, NEEPCO Ltd, Yazali, P.O. Ranganadi Project, (791119), Dist. Lower Subansiri, Arunachal Pradesh.

11. ENGINEER – IN – CHARGE:

Sr. Manager(C), HCMW shall be the Engineer-In-Charge for this work and shall ensure the execution of the work in accordance to terms and condition of this order. The Engineer-in-charge, in consultation with D&E Wing, NEEPCO Guwahati shall have power(s) to make alteration in omissions from, additions to or substitutions for the original specifications and instructions that may be necessary or appear advisable during the progress of the work. The Contractor shall be bound to carry out the works in accordance with any instruction given to him in writing and signed by the Engineer-in-charge and such alterations, omissions, additions or substitutions shall from part of the Contract as if orlginally provided therein.

The E-I-C may also at his discretion desire for inspection of any T&P or equipment to be utilised in the work, to ensure its reliable performance and safe operation during the execution of the repairing work.

The Engineer-in-charge shall be at liberty to object and to require the Contractor to remove from the Works any person employed by the Contractor in works execution, who in the opinion of the Engineer-in-charge has misconduct himself or is incompetent or negligent in the proper performance of his duties and such person shall not be again employed for the work without permission of the Engineer-in-charge.

The Engineer-in-charge shall also be responsible for ensuring the receipt of materials at site by the contractor within adequate time so that repairing woks are carried out without any hindrances.

12. DEFECT LIABILITY:

The entire works shall be subjected to a defect liability period of 12 (twelve) months from the date of successful completion of the work as certified by E-I-C. Any defect in the supply/works, detected after the completion of the work within the defect liability period, the same shall be made good by the contractor at his own risk and cost, and no extra payment shall be made by the corporation.

The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer-In-Charge and decision of Engineer-In-Charge in this matter shall be final and binding.

On expiry of defect liability period, the Performance Bank Guarantee shall be released.

13. LIQUIDATED DAMAGE:

If the firm fails to complete the works within the stipulated time indicated in this order, then the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 10% (ten) percent of the total value of the order.

14. INSURANCE:

The Contractor shall be liable to the other in respect or any loss or damage which may occur or arise out of "Force Majeure" to the works or any part thereof or to any materials or artide at site but not incorporated in the works or to any person or anything or material whatsoever of either party, provided such a loss or damage would not have been foreseen or avoided by a prudent person and the either party shall bear losses and damages in respect or their respective men and materials. As such liability of the contractor shall include claims/compensations of the third party also.

The contractor shall take an insurance policy for all the workmen employed by him against accidents and injuries while at work as required by the relevant rules and it shall be the obligation of the contractor to pay compensation, if any, to his workmen as per workmen's compensation act and any statutory modification and also for or in respect of any damage or compensation payable in consequence of any accident or injury sustained by the workmen or other persons whether in the employment of contractor or not if caused by the action of or negligence on the part of the contractor. Decision of the corporation in regard to fixing the responsibility for accident will be final and binding.

15. FACILITIES TO BE PROVIDED BY CORPORATION:

Following facilities shall be extended by the Corporation free of cost to the contractor.

a. ELECTRICITY AT SITE: Electrical Power Supply will be made available by the Corporation at 01(one) convenient point near Surge-Shaft gate at 415 V / 230 V, 3 Phase, 50 C/s free of cost. It shall be responsibility of the Contractor to arrange supply and to maintain wiring and apparatus required for further fabrication/ erection and lighting etc. beyond the supply points.

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b. WATER SUPPLY: Water supply in reasonable quantity at two convenient points shall be made available to the Contractor for maintenance purposes. At the maintenance site, supply of water shall be made free of cost to the Contractor as indicated above.

c. ACCOMMODATION AND TRANSPORT: The Corporation will not arrange any built up accommodation for the labour/ personnel engaged against the e repairing works but would provide free of cost available sites for building of temporary accommodation, if required. The site to be provided shall be at the discretion of the Corporation. Necessary transport arrangement to the site shall be arranged by the contractor.

16. LABOUR LAW:

All prevailing labour rules viz Contract Labour (Regulation & abolition) Act. 1970, Inter-State Migrant Workman (RE & CS) Act 1979, Payment of Wages Act 1936, Minimum Wages Act, 1948, Bonus Act, Workman Compensation Act and any new Acts applicable to such contracts, as notified by Govt. of India / State govt. is to be followed by the Contractor at his cost.

The Contractor shall be responsible for the compliance of the provisions of the statutory acts and shall be liable for any default caused and its subsequent implications.

17. FORCE- MAJEURE

13.1 In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under this agreement, relative obligation of the party affected by such force majeure shall be treated as suspended for the period during which on the force majeure clause last.

13.2 For the purpose of this agreement Force Majeure shall include without limitation, wars, insurrection, civil disobedience strikes, riots, epidemics, earthquakes, storm, floods, explosions or fire not caused by contractor's negligence, lightning acts of God or the Public enemy which is of such nature as to delay, curtail or prevent timely action by either party.

13.3 Upon the occurrence of such causes and upon termination the party alleging that it has been rendered unable as aforesaid thereby shall notify the other party in writing by registered notice within 72 (seventy-two) hours of the alleged beginning and ending thereof giving full particulars and satisfactory evidence in support of its claim.

13.4 Time for performance of the relative obligation suspended by the Force Majeure shall stand extended by the period for which such clause lasts.

18. EMPLOYEES PROVIDENT FUND SCHEME:

The Contractor being a registered establishment under E.P.F & M.P. act 1952 and schemes shall specify the details of EPF submitted against the labour engaged along with the independent Code number. In the event, the Contractors is liable under the said Act but is not a registered establishment the said contractor shall obtain Code number/sub-code number from the Regional Provident Fund Commissioner as per procedure prescribed by law.

The Corporation shall recover 24.69% (twenty-four point sixty-nine percent) of the bill value against each running bill and final bill on any amount as may be prescribed from time to time if the Contractor fails to comply with the provision of the said Act.

19. GENERAL SAFETY:

All necessary personnel safety measures / equipments as per relevant Safety engineering and safety code should be kept available for the use of personnel employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by these concerned.

The repairing work being carried out at elevated levels shall require the contractor to adopt proper scaffoldings and protective measures during the actual work being done. Also all other safety measures for electrical maintenance/ fabrication works also need to be adopted by the contractor.

20. DEFAULT BY THE CONTRACTOR AND TERMINATION OF THE CONTRACT IN FULL OR IN PART:

If the Contractor commits default in complying with or commits breach of any of the terms and conditions of the contract, the engineer-in-charge shall have powers to terminate the contract in full or in part. The decision of the Engineer-in-charge shall be final and binding.

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COMPLETION CERTIFICATE

Certified that the work- **"Repair of Surge Shaft Gate & Hoist System of Ranganadi Hydro Electric Plant."** For the work descriptions mentioned in Annexure-A executed **by M/s PES Engineers Pvt. Ltd 1st Floor, Pancom Chambers, 6-3-1090/I/A Rajbhavan Road, Somajiguda, Hyderabad-500082** vide **Work Order No. NEEPCO/RHEP/HOP/T-42/2018-2019/2899, Dt-05/03/2019** has been completed in all respects including testing of gate, hoist and commissioning down to Sill level on 25/04/2019 within the stipulated time and as per specifications. No T&P materials are issued to the contractor.

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
होज रेंगिल पॉवरहाउस विंग
Hoj, Arunachal Pradesh

वरिष्ठ प्रबंधक (सिविल)
Senior Manager (Civil)
रंगानदी पनबिजली परियोजना, होज, अरुणाचल प्रदेश
Ranganadi Hydro Electric Project, NEEPCO

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नॉर्थईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
संयंत्रप्रमुखकाकार्यालय/ OFFICE OF THE HEAD OF PLANT
रंगानदी जल विद्युतसंयंत्र: RANGANADI HYDRO ELECTRIC PLANT
पो.ऑ. : रंगानदी प्रोजेक्ट P.O. : RANGANADI PROJECT
याजली, अरुणाचल प्रदेश /YAZALI, ARUNACHAL PRADESH-791119
Ph. No 03809-222204
FAX : 03809-222212
e-mail : contracts.rhep@gmail.com
OHSAS 18001:2007

No: NEEPCO/RHEP/HOP/T – 42/2018-19/ 2899 Dtd 5/3/19.

To,

M/s PES Engineers Pvt. Ltd.,
1st Floor, Pancom Chambers,
6-3-1090/I/A Rajbhavan Road,
Somajiguda, Hyderabad-500082

Subject: **Detailed Order for "Repairing of Surge Shaft Gate & Hoist System of Ranganadi Hydro Electric Plant".**

Ref:
i. Your Offer Letters No PESPL/115-1/2018/1295 dtd 24.11.2018 & 1301 dtd 26.11.2018.
ii. Minutes of Meeting between NEEPCO & PES dtd 9th January 2019.
iii. Letter of Intent No. NEEPCO/RHEP/HOP/T-42/18-19/2763 Dtd. 14.02.2019
iv. Your acceptance of LOI vide L/No. PESPL/115-1/2019/159 dated 21.02.2019

Dear Sir(s),

With reference to the above, the undersigned on behalf of North Eastern Electric Power Corporation(NEEPCO) Ltd., (hereinafter referred to as "the Owner") is pleased to place this order, on your company (hereinafter referred to as "the Contractor") for Repairing of Surge Shaft Gate and Hoist System of Ranganadi Hydro Electric Plant' as per the following terms & conditions.

A. SCHEDULE OF PRICES: The Schedule of Prices is enclosed as **Annexure-A.**

B. SCOPE OF WORK:
The detailed Scope of the Work under this Order is enclosed as **Annexure-B**
All arrangements & equipments required to carry out the repairing work shall be within the scope of the contractor under this order. The scope of works includes minor fabrication works to be carried out to assist the repairing works, but with the exclusion of any such works to be carried out on the main structure.

C. TERMS & CONDITIONS:

1. PRICE:
The rates are exclusive of GST. The rates shall remain firm till the completion of work and no escalation on the prices shall be admissible under any circumstances.

2. TAXES:
The applicable rates of GST at the time of execution of work/billing shall be paid extra.

3. VALUE OF THE WORK:
₹ 84,00,000 (Rupees Eighty-Four Lacs) only on the work given in the Schedule of Prices, which is exclusive of the applicable GST, duly enclosed as Annexure A.

4. TIME OF COMPLETION:
The entire repairing works is to be completed within 02 (two) month from date of handing over the site. However, efforts should be made to complete the job at the earliest, preferably within 15th April 2019.

5. TERMS OF PAYMENT:
90% Payments shall be released against Running Accounts Bill for the executed portion of the work and on full satisfaction of the E-I-C. However, a total of 04 (four) nos. RA Bill shall be admissible excluding final bill which shall be paid on completion of the works in totality. Balance 10% of the contract value shall be kept as performance security deposit which shall be released after expiry of defect liability period.

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Or

100% (hundred percent) payment shall be made against Running Accounts Bill for the executed portion of the work and on full satisfaction of the E-I-C subject to submission of Performance Bank Guarantee of 10% (ten percent) of the contract value. The Bank Guarantee shall be released after expiry of defect liability period. However, a total of 04 (four) nos. RA Bill shall be admissible excluding final bill which shall be paid on completion of the works in totality.
Bill in triplicate may be submitted to E-I-C for effecting admissible payment.

6. PRICE ESCALATION:
No price escalation will be applicable and all the rates indicated in the Order shall remain FIRM for the entire contract period or extended time as may be required not withstanding any increase or decrease in the cost of labour, materials price index whatsoever.

7. ITEM OF WORKS:

7.1 The contractor shall provide all incidental and auxiliary Tools, tackles and arrangements necessary for completion of the repairing work. The contractor shall also be responsible for its ensuring the safe and optimum performance of all T&P materials engaged. Adequacy of such equipment will be subject to final approval by the Engineer-in-Charge.

7.2 However, supply of the Motor (specifications) and the Steel Wire Rope, required for hoisting of the Surge-Shaft Gate, shall be supplied departmentally which

7.3 All materials as may be necessary for the satisfactory and successful completion of the work in accordance with the scope shall be provided by the Contractor, subject to its conformity to the standard specifications. The materials required in execution of the repairing works shall also include all consumable materials to be supplied by the contractor.

7.4 The materials to be supplied by the contractor shall include but not be limited to the following: -

a. Transporting of equipment and materials from the storage place to the work site.
b. Providing adequate mechanical and weather proof protection for any equipment utilised in the work.
c. Providing all temporary power and lighting facilities inclusive of all materials, required for the repairing work.
d. All the works shall be carried out to the satisfaction of the Engineer-in-Charge, who shall ensure that the repairing work is carried out in conformity to the scope of work as underlined in Annexure – B enclosed herewith.
e. The contractor shall also be liable for recovery of repairing cost / cost of damage in the event of any mishandling or damage is noticed attributable solely to the contractor. The details of the recovery charges so imposed shall be made available to the contractor.

8. DEPLOYMENT OF MANPOWER
The Contractor shall be responsible for any manpower engaged against this work. The Contractor shall employ labour in suffident numbers to maintain the required rate of progress and ensure completion of the work within the time period as specified in the Order. The Contractor shall not employ in connection with the works any person who has not completed his fourteen years of age.

Necessary security clearance prior to their engagement shall be obtained from the Security Wing, RHEP. The Contractor shall also co-ordinate with the Engineer –In Charge prior to any activity being carried out inside the surge shaft.

9. SUPERVISION OF THE CORPORATION:
The repairing work shall be carried out under the supervision of the E-I-C or any authorised representative deputed by the E-I-C on behalf of the Corporation. The Engineers of the Corporation and other supervisors authorized/ deputed by the Corporation will guide the contractor with technical advice and suggestions, it will be responsibility of the contractor to complete the job satisfactorily.
The Engineers of the Corporation or any of his authorized supervisory personnel or his behalf will also have the right to inspect the materials/ spares/ consumables provided by the contractor to be utilised in the repairing works of the Surge-Shaft Gate and the auxiliary equipments. If necessary replacement of the materials, if any, as directed by the E – I – C or his authorised representatives.

The Engineers of the Corporation or any of his authorized supervisory personnel or his behalf will have the right to issue directive to the contractor on the discretion relating to the repairing work being undertaken, any to be adopted, safety precautions to be taken and priorities in the work to be followed. The decision of the Engineer-In-Charge shall be final and binding all respect.

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10. PAYING AUTHORITY:

The Sr. Manager (Fin), F&A Wing, RHEP, NEEPCO Ltd, Yazali, P.O. Ranganadi Project, (791119), Dist. Lower Subansiri, Arunachal Pradesh.

11. ENGINEER – IN – CHARGE:

Sr. Manager(C), HCMW shall be the Engineer-In-Charge for this work and shall ensure the execution of the work in accordance to terms and condition of this order. The Engineer-in-charge, in consultation with D&E Wing, NEEPCO Guwahati shall have power(s) to make alteration in omissions from, additions to or substitutions for the original specifications and instructions that may be necessary or appear advisable during the progress of the work. The Contractor shall be bound to carry out the works in accordance with any instruction given to him in writing and signed by the Engineer-in-charge and such alterations, omissions, additions or substitutions shall from part of the Contract as if originally provided therein.

The E-I-C may also at his discretion desire for inspection of any T&P or equipment to be utilised in the work, to ensure its reliable performance and safe operation during the execution of the repairing work.

The Engineer-in-charge shall be at liberty to object and to require the Contractor to remove from the Works any person employed by the Contractor in works execution, who in the opinion of the Engineer-in-charge has misconduct himself or is incompetent or negligent in the proper performance of his duties and such person shall not be again employed for the work without permission of the Engineer-in-charge.

The Engineer-in-charge shall also be responsible for ensuring the receipt of materials at site by the contractor within adequate time so that repairing woks are carried out without any hindrances.

12. DEFECT LIABILITY:

The entire works shall be subjected to a defect liability period of 12 (twelve) months from the date of successful completion of the work as certified by E-I-C. Any defect in the supply/works, detected after the completion of the work within the defect liability period, the same shall be made good by the contractor at his own risk and cost, and no extra payment shall be made by the corporation.

The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer-In-Charge and decision of Engineer-In-Charge in this matter shall be final and binding.

On expiry of defect liability period, the Performance Bank Guarantee shall be released.

13. LIQUIDATED DAMAGE:

If the firm fails to complete the works within the stipulated time indicated in this order, then the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 10% (ten) percent of the total value of the order.

14. INSURANCE:

The Contractor shall be liable to the other in respect or any loss or damage which may occur or arise out of "Force Majeure" to the works or any part thereof or to any materials or article at site but not incorporated in the works or to any person or anything or material whatsoever of either party, provided such a loss or damage would not have been foreseen or avoided by a prudent person and the either party shall bear losses and damages in respect or their respective men and materials. As such liability of the contractor shall include claims/compensations of the third party also.

The contractor shall take an insurance policy for all the workmen employed by him against accidents and injuries while at work as required by the relevant rules and it shall be the obligation of the contractor to pay compensation, if any, to his workmen as per workmen's compensation act and any statutory modification and also for or in respect of any damage or compensation payable in consequence of any accident or injury sustained by the workmen or other persons whether in the employment of contractor or not if caused by the action of or negligence on the part of the contractor. Decision of the corporation in regard to fixing the responsibility for accident will be final and binding.

15. FACILITIES TO BE PROVIDED BY CORPORATION:

Following facilities shall be extended by the Corporation free of cost to the contractor.

a. ELECTRICITY AT SITE: Electrical Power Supply will be made available by the Corporation at 01(one) convenient point near Surge-Shaft gate at 415 V / 230 V, 3 Phase, 50 C/s free of cost. It shall be responsibility of the Contractor to arrange supply and to maintain wiring and apparatus required for further fabrication/ erection and lighting etc. beyond the supply points.

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b. WATER SUPPLY: Water supply in reasonable quantity at two convenient points shall be made available to the Contractor for maintenance purposes. At the maintenance site, supply of water shall be made free of cost to the Contractor as indicated above.

c. ACCOMMODATION AND TRANSPORT: The Corporation will not arrange any built up accommodation for the labour/ personnel engaged against the e repairing works but would provide free of cost available sites for building of temporary accommodation, if required. The site to be provided shall be at the discretion of the Corporation. Necessary transport arrangement to the site shall be arranged by the contractor.

16. LABOUR LAW:

All prevailing labour rules viz Contract Labour (Regulation & abolition) Act. 1970, Inter-State Migrant Workman (RE & CS) Act 1979, Payment of Wages Act 1936, Minimum Wages Act, 1948, Bonus Act, Workman Compensation Act and any new Acts applicable to such contracts, as notified by Govt. of India / State govt. is to be followed by the Contractor at his cost.

The Contractor shall be responsible for the compliance of the provisions of the statutory acts and shall be liable for any default caused and its subsequent implications.

17. FORCE- MAJEURE

13.1 In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under this agreement, relative obligation of the party affected by such force majeure shall be treated as suspended for the period during which on the force majeure clause last.

13.2 For the purpose of this agreement Force Majeure shall include without limitation, wars, insurrection, civil disobedience strikes, riots, epidemics, earthquakes, storm, floods, explosions or fire not caused by contractor's negligence, lightning acts of God or the Public enemy which is of such nature as to delay, curtail or prevent timely action by either party.

13.3 Upon the occurrence of such causes and upon termination the party alleging that it has been rendered unable as aforesaid thereby shall notify the other party in writing by registered notice within 72 (seventy-two) hours of the alleged beginning and ending thereof giving full particulars and satisfactory evidence in support of its claim.

13.4 Time for performance of the relative obligation suspended by the Force Majeure shall stand extended by the period for which such clause lasts.

18. EMPLOYEES PROVIDENT FUND SCHEME:

The Contractor being a registered establishment under E.P.F & M.P. act 1952 and schemes shall specify the details of EPF submitted against the labour engaged along with the independent Code number. In the event, the Contractors is liable under the said Act but is not a registered establishment the said contractor shall obtain Code number/sub-code number from the Regional Provident Fund Commissioner as per procedure prescribed by law.

The Corporation shall recover 24.69% (twenty-four point sixty-nine percent) of the bill value against each running bill and final bill on any amount as may be prescribed from time to time if the Contractor fails to comply with the provision of the said Act.

19. GENERAL SAFETY:

All necessary personnel safety measures / equipments as per relevant Safety engineering and safety code should be kept available for the use of personnel employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by these concerned.

The repairing work being carried out at elevated levels shall require the contractor to adopt proper scaffoldings and protective measures during the actual work being done. Also all other safety measures for electrical maintenance/ fabrication works also need to be adopted by the contractor.

20. DEFAULT BY THE CONTRACTOR AND TERMINATION OF THE CONTRACT IN FULL OR IN PART:

If the Contractor commits default in complying with or commits breach of any of the terms and conditions of the contract, the engineer-in-charge shall have powers to terminate the contract in full or in part. The decision of the Engineer-in-charge shall be final and binding.

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COMPLETION CERTIFICATE

Certified that the work- **"Repair of Surge Shaft Gate & Hoist System of Ranganadi Hydro Electric Plant."** For the work descriptions mentioned in Annexure-A executed **by M/s PES Engineers Pvt. Ltd 1st Floor, Pancom Chambers, 6-3-1090/I/A Rajbhavan Road, Somajiguda, Hyderabad-500082** vide **Work Order No. NEEPCO/RHEP/HOP/T-42/2018-2019/2899, Dt-05/03/2019** has been completed in all respects including testing of gate, hoist and commissioning down to Sill level on 25/04/2019 within the stipulated time and as per specifications. No T&P materials are issued to the contractor.

सहा॰ अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
होज रनिंग मेंटेनेन्स विंग
Hoj, Arunachal Pradesh

वरिष्ठ प्रबंधक (सिविल)
Senior Manager (Civil)
होज रनिंग मेंटेनेन्स विंग, रंगा, ईंटा, नीपको
Hoj Cost Execution Wing RHEP,NHO2,NEEPCO

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ISO9001:2008, 14001:2004,
OHSAS 18001:2007

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)

संयंत्र प्रमुख का कार्यालय/ OFFICE OF THE HEAD OF PLANT
रंगानदी जल विद्युत संयंत्र :: RANGANADI HYDRO ELECTRIC PLANT
पो.ऑ. : रंगानदी प्रोजेक्ट :: P.O. : RANGANADI PROJECT
याजली, अरुणाचल प्रदेश :: YAZALI, ARUNACHAL PRADESH-791119

PH. No. 03809-222205
FAX : 03809-222217
e-mail : contact.hep@gmail.com

No. NEEPCO/RHEP/HOP/T- 53 /2018-19/ Dated the /2018.

To,

M/s Indian Stores Supplying Co. (P) Ltd.
137, Biplabi Rash Behari Basu Road,
Kolkata-700 001

Kind Attn : Mr. P.K.Kedia, 033-46024765/46024766

SUB:- **ORDER FOR SUPPLY OF GALVANISED STEEL WIRE ROPE FOR RANGANADI HE PLANT, NEEPCO, ARUNACHAL PRADESH.**

Ref :-
1. TO L/No. NEEPCO/RHEP/HOP/T-53/2018-19/1801 dtd 01.11.2018
2. Usha Martin L/No. WR/CA/UML/NEEPCO Ltd./Authorization letter dtd. 15.11.2018
3. Your Offer via mail dtd. 19.11.2018

Dear Sir(s),

With reference to above, the undersigned on behalf of the North Eastern Electric Power Corporation (herein after referred as "Purchaser") is pleased to place this supply order on you (herein after referred as "Supplier") for supply of following Galvanised Steel Wire Rope for Ranganadi HE Plant, NEEPCO, Arunachal Pradesh as per Schedule of prices, Technical Specification & Terms & Conditions detailed herein-under.

T-53

A. SCHEDULE OF PRICES :

Sl.No.	Particulars of Item	Qnty in Mtrs	Unit Rate in ₹	Amount in ₹
1	Supply & delivery at site of 40 mm dia Galvanised Steel Wire Rope, 6/36 (Strand Construction 14-7+7-7-1) construction, RHL (Right Hand Langs) Lay, FMC (Fiber Main Core), Tensile Str. 1770 N/mm² with minimum breaking load (MBL) 934 KN or 95.2 MT, confirming to IS 2266/02	850 Mtrs (eight hundred fifty mtrs)	1086.00	9,23,100.00
			Total ₹	9,23,100.00
			Add GST @ 18%	1,66,158.00
			Total ₹	**10,89,258.00**
(Rupees Ten Lakhs Eighty Nine Thousand Two Hundred Fifty Eight) only				

B. SCOPE OF SUPPLY:

The scope of supply under this contract shall include the supply & delivery of 40 mm dia galvanized steel wire rope, 6/36 construction for Ranganadi HE Plant, NEEPCO, Arunachal Pradesh as per schedule of prices & technical specification given above.

The quality of material & specification of items shall be strictly as per relevant IS & above specification. **It may kindly be noted that this steel wire rope shall be use for 100T Rope Drum Hoist of Surge Shaft Gate of Ranganadi HE Plant. Hence the steel wire rope should be supply in a single length.**

Contd.....P/2

C. **TERMS & CONDITIONS**

1. **Prices:** The prices are at F.O.R. Ranganadi Plant Site basis inclusive of packing & forwarding charges. The prices shall remain FIRM till completion of this order.

2. **Taxes:** GST @18% shall be applicable for this contract which is indicated in schedule of Prices. However, prevailing rate of GST at the time of despatch of materials shall be paid at actual against documentary evidence. Please provide your GSTIN no. in invoice. Our **GSTIN** No. **12AAACN9991J4Z0**

3. **Transportation Charges:** The rates are at FOR site basis hence transportation charges shall have to be bear by you.

4. **Order Value:** ₹ **10,89,258.00** (Ten Lakhs Eighty Nine Thousand Two Hundred Fifty Eight) only inclusive of GST @ 18%.

5. **Payment terms:**

(i) 90% (Ninety percent) payment shall be made after receipt of materials in full & good condition at site and subsequent acceptance of the material by consignee & Engineer-In-Charge.

(ii) Balance 10% (ten percent) shall be released after 18 months from the date of completion of supply or 12 months from the date of successful erection/utilization of pole whichever is earlier.

Or

(iii) 100% (hundred percent) payment shall be made after completion of the supply in full & good condition at site and subsequent acceptance of the material by consignee & Engineer-In-Charge subject to submission of Bank Guarantee of 10% (ten percent) of the contract value. The Bank Guarantee shall be released after 18 months from the date of completion of supply or 12 months from the date successful utilization of material whichever is earlier.

No part payment/advance payment shall be entertained against this contract.

You are requested to submit your bill in triplicate with the following details to the consignee for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GSTIN registration no.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

6. **Delivery:** The material shall be supplied & delivered within 12 (twelve) weeks from the date of issue of this order. Since time is the essence of this order hence all efforts shall be made to supply the materials in minimum possible time.

7. **Quantity Deviation :** The Steel Wire Rope shall be supplied in a single length as per the quantity indicated in the schedule of prices however , quantity deviation of ± 2.5% shall be allowed considering manufacturing/packing constraint.

8. **Inspection & Testing:**

The materials shall be inspected for general conformity by our Engineer – in – Charge or his authorized representative at your site prior to dispatch against prior information. Testing on the materials shall be done in presence of our authorized representative from a NABL accredited test house & Test Certificate shall be submitted along with the

Contd.....P/3

dispatch documents. Dispatch clearance of the materials at your works / Go down premises shall be given by EIC/authorized representative of this Plant, after successful completion of the testing/inspection. Test conducted on the materials shall be in conformity with relevant IS code including latest amendments / revision if any for the steel wire ropes. Acceptance of the test report by the purchaser shall not relieve the supplier, in any way from the responsibility of the supplying the materials strictly in accordance with the relevant applicable Indian standards. In any case, the contractor shall remain fully responsible for satisfactory performance of the materials.

The supplier shall provide all the facilities for testing as required to accomplish as reasonably demanded by the purchaser or his authorized representative without any extra cost. The supplier shall give the Purchaser minimum 7(Seven) days written notice of the materials being ready for testing.

However, the Corporation reserves the right to waive the inspection & testing at your site/go down/factory. In case of such waival of inspection /testing at your site, the complete test report as per relevant IS shall have to be submitted to ordering authority for scrutiny & issue of despatch clearance. The delivery of the materials shall be done only after issue of despatch clearance from the undersigned.

Completion of tests at your site/go down/factory or waival of tests shall not absolve the supplier in any way from his responsibility towards satisfactory performance of materials as per technical specifications and terms & conditions of the order. Further on issue of certificate of acceptance, shall not bind the Purchaser to accept the materials if not confirms to required specifications.

9. **Engineer-In- Charge** : Sr. Manager (C), HCMW, Hoz, Dikrong Power House Site, Ranganadi HE Plant, NEEPCO, Hoz, Arunachal Pradesh shall be the Engineer-In-Charge of this contract and shall ensure the receipt of materials as per specification of the supply order placed.

On arrival of materials at site, the same shall be inspected jointly by the Consignee & Sr. Manager (C), HCMW or his authorised representative to verify the materials as per order & specification. If EIC feels/demands the presence of supplier during inspection of material at site, the supplier shall depute himself or his authorised representative after getting such intimation by EIC/undersigned.

The Purchaser / his authorized representative shall with in 10(Ten) days from the date of inspection at site give notice in writing to the supplier, of any objection to any drawings/specification and workmanship which in his opinion is not accordance with the contract. The supplier shall give due consideration to such objection and shall make the modification(s) to the satisfaction of the Purchaser / his authorized representative to meet the said objection with no extra cost to the Purchaser.

10. **Consignee :** The Manager(E/M), Power House Store, Dikrong Power House site, Ranganadi HE Plant, ,NEEPCO Ltd., Hoz, Papumpare Dist. Arunachal Pradesh. Contact No. 03809-244345/8474062844

11. **Paying Authority :** The Sr. Manager (Fin), F&A Wing , RHEP , NEEPCO Ltd, Yazali, P.O. Ranganadi Project, (791119), Dist. Lower Subansiri, Arunachal Pradesh .

12. **Defect Liability:** The supply shall be subjected to a defect liability period of 18(eighteen) months from the date of completion of supply in all respect or 12 (twelve) months from the date of successful utilization of the steel wire rope whichever is earlier. Any defect in the supply, detected after the completion of the supply within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment shall be made by the corporation.

Contd.....P/4

The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer-In-Charge and decision of Engineer-In-Charge in this matter shall be final and binding.
On expiry of defect liability period, the Performance Bank Guarantee shall be released.

13. **Packing & Forwarding:-** The Supplier shall be responsible for securely protecting and packing the Materials as per prescribed standards, to withstand the journey and ensuring the safety of the materials and also arrival of materials at destination in good and original conditions for contemplated use so as to avoid damage under normal conditions of transport & storage.

Each bundle or package shall have the following marking on it:
a. Name and address of the consignee at site.
b. Destination place by road
c. Relevant marks, reference numbers etc., for easy identification.

14. **Liquidated Damage:** If the firm fails to supply the materials within the stipulated time indicated in this order, then the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 10% (ten) percent of the total value of the order. However, the purchaser reserves the right not to accept the delayed items and cancel the order depending upon the discretion of competent authority.

15. **FORCE MAJEURE :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-In-Charge, whose decision shall be final and binding.

16. **Arbitration:**
Any dispute in respect of which:
a) The decision, if any, of the Engineer-In-Charge has not become final.
b) Amicable settlement has not been reached within the sixty days after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act,1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection

Please acknowledge the receipt & unconditional acceptance of this order for our record.

Thanking you.

Yours faithfully,

(Dipankar Roy)
Sr. Manager (E/M), C&P
O/o the HOP, RHEP, NEEPCO
Yazali, Arunachal Pradesh

Contd...P/5

Memo No. NEEPCO/RHEP/HOP/T- 53 /18-19/ 2230-36 Date: 22-12-18.

Copy to :-

1. The H.O.P., RHEP - for favour of kind information please. This has reference to his approval Dtd. 12.12.2018
2. The D.G.M. (E/M), RHEP - for favour of kind information please.
3. The Sr. Manager (E/M), PH&SY(C&M), RHEP, Hoz for information please.
4. The Sr. Manager (C), HCMW, RHEP, Hoz for information & necessary action please.
5. The Manager (E/M), Power House Store , Hoz, - for information and necessary action please He is requested to coordinate with the firm for early supply of materials. The material under this contract is pertaining to Sr. Manager (C), HCMW, Hoz which is to be utilise for Surge Shaft Gate.
6. The Sr. Manager (Finance), RHEP - for information please. A copy of approval of competent authority is enclosed herewith for ready reference please.
7. The Manager (C),vigilance wing, RHEP for information please

Sr. Manager (E/M), C&P
O/o the HOP, RHEP, NEEPCO

SM(E/M), C&P
26/12/18

(i)Original PO No:NEEPCO/HOP/RHEP/T-53/2018-19/2229 Dated 22.12.2018
(ii)Material received on 12.04.2019

Date :06/06/2019
PAGE: 1

#10r1

MATFIN, NEEPCO, RHEP
GOODS RECEIPT NOTE

GRN NO. 10190050

VENDOR DETAILS
NAME : INDIAN STORES SUPPLYING CO(P)L
ADDRESS : C2,29 NEW BBT ROAD,
SHAMPA MIRZANAGAR
KOLKATA 700143
CODE : I0028

NAME OF CARRIER : PHOENIX ROADWAYS

CONS. NOTE NO. : KO-402-5849
CONS. NOTE DATE : 03/04/2019

CHALLAN NO. : 0127/19-20
CHALLAN DATE : 03/04/2019
INSURANCE BY : NEEPCO

FREIGHT PAID BY : NEEPCO

GRN DATE 06/06/2019

PO NO. 27NBJ018

PO DATE 06/05/2019

VENDOR'S INVOICE NO : 0127/19-20
VENDOR'S INVOICE DATE : 03/04/2019
M.I.R. REF. NO : 290018
RR/LR SERIAL NO. : 290018

SL.	MATL. CODE	MATERIAL DESCRIPTION	UOM	CHALLAN QTY	RCVD. QTY	ACPTD. QTY
1	2700211515	ROPE GS 40 MM DIA,6/36 FOR SURGESHAFT GATE(1770N/SQR MM+934KN-BREAK)	MR	850.000	850.000	850.000

REMARKS:

STORE KEEPER

STORE-IN-CHARGE

06/06/2019
STORE MANAGER (E/M)
POWER HOUSE STORE
RHEP ; NEEPCO LTD.
HQZ : ARUNACHAL PRADESH

308

केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
तापीय परियोजना एवं आधुनिकीकरण प्रभाग
Thermal Project Renovation and Modernisation Division
सेवा भवन, नवम तल (उ)
Sewa Bhawan, 9th Floor, (N)
नई दिल्ली - 110 066
New Delhi - 110066

Fax No. 011-26186904

No.2/3/Misc./TPRM/CEA/2015/765

Dated: 27-08-2015

O/o the DGM (E)/Sec/M&HS
Sr.Mgr (Fin/HR/IT /SFC/PEMGT&A
ST&A/U&W/CWC/MM/WC&I
M (Vig.)/AM (Safety), AGBP

Sub: Identification of TPS units required R&M/LE during 13th Plan period

In the meeting of Ad-hoc Task Force (ATF) on RFD of Ministry of Power (MOP) convened on 20.04.2013, it has been stressed upon that Power Utilities should take up R&M / LE works on at least 20% of units which qualify for R&M and LE interventions. As per CEA guidelines, units above 15 years old qualify for Mid Life R&M works whereas units above 25 years qualify for comprehensive R&M works for Life Extension.

In view of the above you are requested to intimate the units for which R&M/LE works shall be taken up during the 13th Plan Period i.e. 2017-22 under two categories as furnished below: -

(a) Mid Life R&M works of units completing 15-25 years of plant life on 31.03.2017.
(b) Comprehensive R&M works for Life Extension of units completing 25 years of plant life on 31.03.2017

Further, you are also requested to furnish the unit wise preparedness regarding taking up the R&M/LE works viz. RLA/CA studies completed, Scope of works finalized, DPR prepared, funds tied up etc.

(भाई लाल)
मुख्य अभियंता

To:

1. The General Manager (R&M-Engg.), National Thermal Power Corporation Ltd., Engineering Office Complex, A-8A, Sector-24, Noida-201301 (Fax: 0120-2410015/2410136)

Director (Technical), NEEPCO Ltd., Brook Land Compound, Lower New Colony, Shilong-793003 (Fax No. 0364-2228520)

ISO 9001, 14001
& OHSAS 45001

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Govt. of India Enterprise)

Office of the Manager (E/M)
Power House & Switchyard (M), RHEP, Yayee, A.P.
Office: Tel: 03809 244345/244219
E-mail: phnsym@gmail.com

COMPLETION CERTIFICATE

It is to certify that M/s P.E.S. Engineers Pvt. Ltd. has successfully completed the stated works of Dikrong Power House, Ranganadi H.E. Plant, NEEPCO Ltd.mentioned in the Statement of bill of quantities under (A) Main MIV works for three units and (B) Turbine activity for one unit which is enclosed with 1st bill i.e. Invoice No. MIV/1 against Repairing 3 units MIV and associated part, capital maintenance of one unit turbine and other associated work in water conductor system & periphery of Dikrong Power House vide Work Order No. RHEP/SR.M(E)/PH&SY(O&M)/T-25(M)/18-19/3976 Dtd. 22/02/2019 on 11/04/2019 & 18/03/2019 respectively.

प्रबंधक (वि०या०) Manager (E/M)
पी०एच० एण्ड एस० वाई० (मेकेनिकल) PH & SY(M)
रेप/नीपको लिमिटेड RHEP NEEPCO LTD.
होज़ाई/HOJAI A.P.

(KULDIP KUMAR)
Assitant Manager(E/M)
Dikrong Power House, Hoz
RHEP, NEEPCO Ltd.

वरिष्ठ प्रबंधक (वि./यां.)
Sr. Manager (E/M) PH&SY (O&M)
RHEP NEEPCO Ltd. A.P.

ISO 9001, 14001
& OHSAS 45001

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Govt. of India Enterprise)

Office of the Manager (E/M)
Power House & Switchyard (M), RHEP, Yayee, A.P.
Office: Tel: 03809 244345/244219
E-mail: phnsym@gmail.com

COMPLETION CERTIFICATE

It is to certify that M/s P.E.S. Engineers Pvt. Ltd. has successfully completed the Repairing of three units MIV and associated part, capital maintenance of one unit Turbine and other associated work in water conductor system & periphery of Dikrong Power House, Ranganadi H.E. Plant, NEEPCO Ltd. Against the Work Order No. RHEP/SR.M(E)/PH&SY(O&M)/T-25(M)/18-19/3976 Dtd. 22/02/2019 on 19/04/2019 & 29/04/2019 respectively.

(KULDIP KUMAR)
Assitant Manager(E/M)
Dikrong Power House, Hoz
RHEP, NEEPCO Ltd.

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(भारत सरकार का उपक्रम) (A Govt. of India Enterprise)
O/O THE SR. MANAGER (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ओ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791119
Ph No. 03809-244346 (O)
Fax No. 03809-244222
E-mail: tanyataai@rediffmail.co
ISO 9001, 14001, OHSAS 45001

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NO. RHEP/SR.M (E)/PH&SY(O&M)/T-25(M)/18-19/ 3976 Date : 22/02/2019

To,

M/s P.E.S. Engineers Private Limited,
Camp: Ranganadi Project Site,
Hoz, Arunachal Pradesh.

SUB :- **ORDER FOR REPAIRING OF THREE UNITS MIV AND ASSOCIATED PART, CAPITAL MAINTENANCE OF ONE UNIT TURBINE AND OTHER ASSOCIATED WORK IN WATER CONDUCTOR SYSTEM & PERIPHERY OF DIKRONG POWER HOUSE.**

Ref: -
1. Our letter No. RHEP/SR.M(E/M)/PH&SY(O&M)/T-25/18-19/3174 dtd. 05.01.19
2. Offer No. PESEPL/RHEP/F-2/2018-19/67 Dtd.09/01/2019.
3. MOM Dated-28.01.2019
4. LOI No- RHEP/SR.M(E/M)/PH&SY(O&M)/T-25/18-19/3811 dtd. 13.02.19

Dear Sir(s),

In confirmation to our LOI No- RHEP/SR.M(E/M)/PH&SY(O&M)/T-25/18-19/3811 Dtd.13/02/2019 , the Corporation is pleased to place this detailed order for repairing work of all three units MIV & associated parts, capital maintenance of One Unit Turbine and other associated work in Water Conductor System in Power house & Periphery of Dikrong Power House as per rates enclosed in Annexure-A, scope of work and terms & conditions indicated below.

SCOPE OF WORK :

The repairing work of all three units MIV & associated parts, capital maintenance of One Unit Turbine and other associated work in Water Conductor System in Power house & Periphery of Dikrong Power House shall be executed in consultation with Engineer In-charge or his representative. The contractor shall strictly follow the instruction & guidelines stipulated as per the OEM.

Scope of work under this contract shall include the following activities:

Scope of Work:

A. Main MIV Works:

- Dismantling of bypass valve, service seal valve, ejector valve, air valve and all pressure gauge valve at inlet & outlet pipe of MIV.
- Dismantling of outlet & Inlet pipe of MIV with dismantling joint and shifting to S/B.
- Dismantling of counter weight, MIV sling etc. and shifting to S/B.
- Dismantling of MIV trunnion linkage arm, MIV with associated parts and shifting to S/B.
- Arrangement for MIV Dismantling and lifting to Service Bay .
- Servicing of inlet & outlet pipe, Trunnion, MIV with associated parts, counter weight etc. at S/B.
- Complete Replacement, reassembling of MIV maintenance seal, operating seal, spacer ring, bushes, door, trunnion seal etc. at S/B.
- Testing of MIV.
- Lowering of MIV and all associated parts to MIV Floor after reassembling.
- Final reassembling of MIV with associated parts, inlet & outlet pipe, counter weight, bypass valve, service seal valve, ejector valve, pressure gauge valves, all dismantled pipelines etc.
- At a time 2(two) nos. MIVs repair work shall be carried out in the service bay.
- Servicing of MIV servo Motor, modification of oil supply and drain pipeline of MIV servomotor etc for all three units.

Approval file

Contd P-2

B. Turbine Activity:

- Lowering of DT Gate, Removal of Draft tube cone and placing of Bulk Head,
- Dismantling and replacement of existing Pipe viz Ejector line, Pressure Balancing Pipe, Service Seal Pressure Line, TGB Cooler Pipe Line, all pressure gauge Pipe Line.
- Lowering GV Lower Bush, Lowering Pivot ring, Dismantling of GV upper and middle Bush, Lowering of Guide Vane.
- Dismantling of GV Servomotor Linkage Mechanism. Removal Shaft seal, checking of Stud-bolt, Pipe Line modification of Shaft seal.
- Dismantling of TGB Housing.
- Replacement of PTFE Bushes, Lead Cushion, Servomotor Cupseal, TGB Cooler Valves, Oil retaining seal O-ring.
- Modification of OPU Pipe lines, ejector pipe lines etc.
- Washing, Cleaning and Testing of all modified and new pipe lines.
- Replacement of Pressure Gauge of Water line before and after labyrinth.
- Replacement of Interconnecting valves, HMC valves, Pressure balancing Pipe line valves etc.
- Servicing of all above dismantled components and sequentially arranged.
- Bearing Setting, Rotor Dynamic Leveling checking and correction, Alignment correction and setting, Centering of Shaft.
- Dry run and synchronization

Any Other work which is not included in scope of work but required for execution of work are deemed to be considered.

The scope of Work under NEEPCO are.
(1) Construction Power Supply.
(2) EOT crane.
(3) Mobile Crane.
(4) Tata Truck.
(5) Torque Wrench and other tools & Tackles. However any special tools require during the execution of work shall be arranged by the contractor.
(6) Consumables.
(7) Pump-Motor of different capacity as and when require.
(8) Illumination Fitting and Fixing along with cables.
(9) Different Sizes Slings.

TERMS AND CONDITIONS

1. The contract value is ₹ 3,48,88,293.00 (Rupees Three Crore Forty Eight Lakh Eighty Eight thousand Two Hundred Ninety Three) Only inclusive of GST & shall remain firm till completion of entire job.

2. Good & Service Tax (GST) : GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill. **Our GSTIN No-12AAACN9991J4Z0.**

3. **Defect Liability:** any defect during execution of work due to poor workman ship shall have to be remade/ rectify by you without any extra cost to corporation.

4. **Payment Term:** (a) 90%(ninety percent) payment shall be made progressively after successful completion of job as defined in the Annexure-A and on full satisfaction of Engineer In Charge.

   (b) Balance 10% (ten percent) payment shall be made after 6 (Six) Months from the date of synchronization of the Last unit or submission of BG of Equivalent amount.

Contd P-3

You are also requested to submit either the following details along with your Bill / Invoice or your invoice should contains following details for e-payment:

i) Name & complete address of your firm as per bank record.
ii) complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit)
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

5. **Time of completion**: The repairing work of all three units MIV & associated parts, capital maintenance of One Unit Turbine and other associated work in Water Conductor System shall be completed within 3 (Three) Months from the date of issue of LOI. However all effort shall be made to complete the work as early as possible. Date of Issue of LOI is 13/02/2019

6. Any statutory rules & regulations as per labour law shall be applicable.

7. **Paying Authority :** The Sr. Manager (Fin), Finance & Accounts Wing , RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

8. **Consignee :** The Manager (E), PH&SY(M), Dikrong Power House, Hoz . The work shall be executed in consultation with consignee.

9. **Liquidated Damage**: If the firm fail to execute the work within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

10. **Force Majeure :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

11. **Arbitration :** Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.
b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act,1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt and acceptance of this order

Thanking you.

Yours faithfully,

Sr. Manager (E/M)
PH & S.Y (O&M)
RHEP, NEEPCO LTD., Hoj.

Contd P-4

MEMO NO. RHEP/SR.M(E)/PH&SY(O&M)/T-25(M)/18-19/ 3977-83 Date : 20/02/19

Copy to :-

1. The Executive Director (O&M),NEEPCO Ltd., Shillong for favour of kind information please. This has a ref. to his approval conveyed vide U.O.No. 1207, dtd. 11.02.19.
2. The Head of Project, RHEP – for favour of kind information please. This has reference to his approval conveyed vide U.O. No.3065, dtd. 12.02.19
3. The D.G.M.(E/M), RHEP – for favour of kind information please. This has reference to his note conveyed vide U.O. No.1670, dtd. 13.02.19 .
4. The Sr. Manager (Finance), RHEP - for information & necessary action please.
5. The Manager (E/M), PH Store, Hoj, RHEP, AP for information & necessary action please.
6. The Manager (E), PH&SY(M), Hoj – for information & necessary action.
7. The Manager (C), Vigilance Wing, RHEP for information please.

Sr. Manager (E), PH&SY(O&M)

A.	Main MIV Works for Three Units	No of Unit	Per Unit Rate in ₹	Total Amount in ₹
1	Dismantling of bypass valve, Service seal valve, Ejector valve, Air valve and all pressure gauge valve at inlet & outlet pipe of MIV.	3	420750	1262250
2	Dismantling of outlet & Inlet pipe of MIV with dismantling joint and shifting to service bay.	3	742500	2227500
3	Dismantling of counter weight, MIV sling etc and shifting to service bay.	3	371250	1113750
4	Dismantling of MIV Trunnion linkage arm, MIV with associated parts and shifting to service bay.	3	445500	1336500
5	Arrangement for MIV Dismantling and lifting/shifting to service bay.	3	673200	2019600
6	Servicing of inlet & outlet pipe, Trunnion, MIV with associated parts, counter weight etc at Service bay.	3	297000	891000
7	Complete Replacement, reassembling of MIV Maintenance seal, operating seal, spacer ring, Bushes Door trunnion seal etc. at service bay	3	1475100	4425300
8	Testing of MIV at service bay	3	321750	965250
9	Lowering of MIV and all associated parts to MIV floor after reassembling & testing.	3	519750	1559250
10	Final Reassembling of MIV with associated parts, inlet & outlet pipe, counter weight, Bypass valve, service seal valves ,ejector valve , pressure gauge valve, all dismantled pipe lines etc,	3	1816650	5449950
11	At a time 02(Two) nos MIVs repair works shall be carried out in the service bay.	3	82500	247500
12	Servicing of MIV servomotor, Modification of oil supply and drain pipe line of MIV servomotor etc.	3	643500	1930500
			Total in ₹	23428350.00

B.	Turbine Activity for One Unit	No of Unit	Per Unit Rate in ₹	Total Amount in ₹
1	Lowering of DT Gate, Removal of draft tube cone and placing bulk head.	1	99000	99000
2	Dismantling and replacement of existing pipe line viz. Ejector pipe line, Pressure Balancing pipe line, service seal pressure pipe line, TGB cooler pipe line, all pressure gauge pipe line.	1	346500	346500
3	Lowering of GV lower Bush, lowering of pivot ring, dismantling of GV upper bush, Middle Bush and lowering of guide vane.	1	1386000	1386000
4	Dismantling of guide vane Servomotor linkage Mechanism. removal of shaft seal, checking of stud bolts, pipe line modification of shaft seal.	1	752400	752400
5	Dismantling of Turbine guide bearing housing.	1	445500	445500
6	Replacement of PTFE Bushes, Lead Cushion, servomotor Cupseal, TGB cooler Valves, Oil retaining seal O- ring.	1	693000	693000
7	Modification of OPU pipe lines, Ejector pipe line etc.	1	772200	772200
8	Washing, Cleaning and testing of all modified & new pipe line.	1	297000	297000
9	Replacement of pressure gauge of water pipe line before and after of labyrinth.	1	133650	133650
10	Replacement of interconnecting valves, HMC valves, pressure balancing pipe line valves etc.	1	544500	544500
11	Servicing of all above dismantled components and sequentially arranged.	1	569250	569250
12	Bearing setting, Rotor dynamic levelling checking and correction, Alignment correction and setting, centering of shaft.	1	0	0
13	Dry run and synchronization.	1	0	0
14	Any Other work which is not included in the scope of work but required for execution of work may also be consider (Removal and support jack (02 Nos)110 tons and dismantling and finally re assembly of dome light ,stud shaft etc .)	1	99000	99000
			Total in ₹	6138000.00
			Grand Total (A+B) in ₹	29566350.00
			GST @18% in ₹	5321943.00
			Total in ₹	34,88,293.00

(Rupees Three Crore Forty Eight Lakh Eighty Eight thousand Two Hundred Ninety Three) Only

Sr. Manager (C)/PH&ST(O&M)

77

14/5/18

ISO 9001 - 2015
ISO 14001-2015
OHSAS 18001 - 2007

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A GOVT. OF INDIA ENTERPRISE)
OFFICE OF THE ED (O&M)

256
8/5/18

File No. : NEEPCO / ED (O&M) / RHEP-60 / 2018-19/ 151 - 52

Date 27/04/2018

Inter Office Memo

From : Executive Director (O&M)

To: 1. Executive Director (D&E)
2. HOP, Ranganadi HEP

Subject: Record Notes of Discussion held on 26/04/2018 at Guwahati office on RHEP issues.

Please find enclosed herewith the record notes of discussion held on 26th April 2018 at Guwahati office on RHEP issues.

This is for your kind information and needful please.

Encls: As above

(M. S. Jyrwa)

Copy for favour of information of:
1. CMD, NEEPCO please
2. Director (Tech), NEEPCO please.

D.O. No. 163 Dt. 8/5/18

Received on / प्राप्त दिनांक 8.5.2018
Diary No. / U.O. No. 2887
Signature / Date

DGM(E/M)
Sr. Mgr(C), HSM
Sr. Mgr(E/M), C&P
for information & needful pl.
8/5/18

14/5/2018

Sr. Mgr(E/M) PH&SV

May please immediately process for procurement of the materials as per the M.O.M.

Mgr-PH(M)

31/5/18

BYOMKESH BAGATIA

केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
तापीय नवीनीकरण परियोजना एवं आधुनिकीकरण प्रभाग
Thermal Project Renovation and Modernisation Division
सेवा भवन , नवम तल (उ)
Sewa Bhawan, 9th Floor, (N)
नई दिल्ली - 110 066
New Delhi - 110066

Fax No. 011-26186904

No.2/3/Misc./TPRM/CEA/2015/765

Dated: 27-08-2015

Sub: Identification of TPS units required R&M/LE during 13th Plan period

In the meeting of Ad-hoc Task Force (ATF) on RFD of Ministry of Power (MOP) convened on 02.04.2013, it has been stressed upon that Power Utilities should take up R&M / LE works on at least 20% of units which qualify for R&M and LE interventions. As per CEA guidelines, units above 15 years old qualify for Mid Life R&M works whereas units above 25 years qualify for comprehensive R&M works for Life Extension.

In view of the above you are requested to intimate the units for which R&M/LE works shall be taken up during the 13th Plan Period i.e. 2017-22 under two categories as furnished below: -

(a) Mid Life R&M works of units completing 15-25 years of plant life on 31.03.2017.
(b) Comprehensive R&M works for Life Extension of units completing 25 years of plant life on 31.03.2017

Further, you are also requested to furnish the unit wise preparedness regarding taking up the R&M/LE works viz. RLA/CA studies completed, Scope of works finalized, DPR prepared, funds tied up etc.

(भाई लाल)
मुख्य अभियंता

To:

1. The General Manager (R&M-Engg.), National Thermal Power Corporation Ltd., Engineering Office Complex, A-8A, Sector-24, Noida-201301 (Fax: 0120-2410015/2410136)

Director (Technical), NEEPCO Ltd., Brook Land Compound, Lower New Colony, Shilong-793003 (Fax No. 0364-2228520)

C/o the DGM (E)/Sec/M&HS
Sr.Mgr (Fin/HR/IT /SFC/PEM/GT&A)
ST&A/U&W/CWC/MMTW/C&I
M (Vig.)/AM (Safety), AGBP

C/o the DGM (E)/Sec/M&HS
NEEPCO Ltd., Shillong

~ 318 ~

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/O THE SR. MANAGER (E/M) : PH&SY(O&M)
ISO 9001: 14001: OHSAS 45001
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो ओ : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791119
Ph No. 03809-244345 (O)
Fax No. 03809-244222
E-mail: tamataaj@rediffmail.co

951

NO. RHEP/SR.M (E)/PH&SY(O&M)/T-25(M)/19-20/ 682 Date : 25/05/2019

To,

M/s P.E.S. Engineers Private Limited,
Camp: Ranganadi Project Site,
Hoz. Arunachal Pradesh.

SUB :- ORDER FOR CAPITAL MAINTENANCE OF UNIT-2 TURBINE AND OTHER ASSOCIATED WORK IN WATER CONDUCTOR SYSTEM OF DIKRONG POWER HOUSE.

Ref: (1) ED (O&M) UO No-1307 Dtd.19/03/2019 & HOP UO NO-3486 Dtd.20/03/2019
(2) WO No. RHEP/SR.M(E/M)/PH&SY(O&M)/T-25/18-19/3976 dtd. 22.02.19

Dear Sir(s),

The Corporation is pleased to place this order for capital maintenance of Unit-2 Turbine and other associated work in Water Conductor System of Dikrong Power House as per rates enclosed in Annexure-A, scope of work and terms & conditions indicated below.

SCOPE OF WORK :

The capital maintenance of Unit-2 Turbine and other associated work in Water Conductor System of Dikrong Power House shall be executed in consultation with Engineer In-charge or his representative. The contractor shall strictly follow the instruction & guidelines stipulated as per the OEM.

Scope of work under this contract shall include the following activities:

Scope of Work:

A. Turbine Activity:

- Lowering of DT Gate, Removal of Draft tube cone and placing of Bulk Head,
- Dismantling and replacement of existing Pipe viz Ejector line, Pressure Balancing Pipe, Service Seal Pressure Line, TGB Cooler Pipe Line, all pressure gauge Pipe Line.
- Lowering GV Lower Bush, Lowering Pivot ring, Dismantling of GV upper and middle Bush, Lowering of Guide Vane.
- Dismantling of GV Servomotor Linkage Mechanism. Removal Shaft seal, checking of Stud-bolt, Pipe Line modification of Shaft seal.
- Dismantling of TGB Housing.
- Replacement of PTFE Bushes, Lead Cushion, Servomotor Cupseal, TGB Cooler Valves, Oil retaining seal O-ring.
- Modification of OPU Pipe lines, ejector pipe lines etc.
- Washing, Cleaning and Testing of all modified and new pipe lines.
- Replacement of Pressure Gauge of Water line before and after labyrinth.
- Replacement of Interconnecting valves, HMC valves, Pressure balancing Pipe line valves etc.
- Servicing of all above dismantled components and sequentially arranged.
- Bearing Setting, Rotor Dynamic Leveling checking and correction, Alignment correction and setting, Centering of Shaft.
- Dry run and synchronization

Approval File

Any Other work which is not included in scope of work but required for execution of work are deemed to be considered.

Contd P-2

The scope of Work under NEEPCO are.

(1) Construction Power Supply.
(2) EOT crane.
(3) Mobile Crane.
(4) Tata Truck.
(5) Torque Wrench and other tools & Tackles. However any special tools require during the execution of work shall be arranged by the contractor.
(6) Consumables.
(7) Pump-Motor of different capacity as and when require.
(8) Illumination Fitting and Fixing along with cables.
(9) Different Sizes Slings.

TERMS AND CONDITIONS

1. The contract value is ₹ 71,39,000.00 (Rupees Seventy One Lakh Thirty Nine Thousand) Only inclusive of GST & shall remain firm till completion of entire job.

2. Good & Service Tax (GST): GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill. **Our GSTIN No-12AAACN9991J4Z0.**

3. **Defect Liability:** any defect during execution of work due to poor workman ship shall have to be remade/ rectify by you without any extra cost to corporation.

4. **Payment Term:** (a) 90%(Ninety percent) payment shall be made progressively after successful completion of job as defined in the Annexure-A and on full satisfaction of Engineer In Charge.

   (b) Balance 10% (Ten percent) payment shall be made after 6 (Six) Months from the date of synchronization of the Last unit or submission of BG of Equivalent amount.

   You are also requested to submit either the following details along with your Bill / Invoice or your invoice should contain following details for e-payment:

   i) Name & complete address of your firm as per bank record.
   ii) Complete address of the Bank with Branch details.
   iii) Type of Bank Account (Saving/Current/Cash Credit)
   iv) Bank Account Number (Indicating Core Banking Account Number), if any.
   v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
   vi) Permanent Account Number (PAN) under Income Tax.
   vii) GST Number (for supply of Goods and services) as applicable.
   viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment)

5. **Time of completion**: The Capital maintenance of Unit-2 Turbine and other associated work in Water Conductor System shall be completed within 1 (One) Months from the date of issue of this order. Infact the work is already completed in all respect.

6. Any statutory rules & regulations as per labour law shall be applicable.

7. **Paying Authority :** The Sr. Manager (Fin), Finance & Accounts Wing , RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

8. **Consignee :** The Manager (E), PH&SY(M), Dikrong Power House, Hoz . The work shall be executed in consultation with consignee.

9. **Liquidated Damage**: If the firm fail to execute the work within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

Contd P-3

10. **Force Majeure :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

11. **Arbitration :** Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act,1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt and acceptance of this order

Thanking you.

Yours faithfully,

25/5

(Tanya Tajo)
Sr. Manager (E/M)
PH & S.Y (O&M)
RHEP, NEEPCO LTD., Hoj.

MEMO NO. RHEP/SR.M(E)/PH&SY(O&M)/T-25(M)/19-20/ 683-689 Date : 25/05/2019

Copy to :-

1. The Executive Director (O&M),NEEPCO Ltd., Shillong for favour of kind information please. This has a ref. to his approval conveyed vide U.O.No. 214, dtd. 07.05.19.
2. The Head of Project, RHEP – for favour of kind information please. This has reference to his approval conveyed vide U.O. No.374, dtd. 20.05.19
3. The D.G.M.(E/M), RHEP – for favour of kind information please. This has reference to his note conveyed vide U.O. No.217, dtd. 20.05.19 .
4. The Sr. Manager (Finance), RHEP – for information & necessary action please.
5. The Manager (E/M), PH Store, Hoj, RHEP, AP for information & necessary action please.
6. The Manager (E), PH&SY(M), Hoj – for information & necessary action.
7. The Manager ©, Vigilance Wing, RHEP for information please.

25/5/19

Sr. Manager (E)/PH&SY(O&M)

Annexure-A

	A. Turbine Activity for Unit-2	No of Unit	Per Unit Rate in ₹	Total Amount in ₹
1	Lowering of DT Gate, Removal of draft tube cone and plading bulk head.	1	99000	99000
2	Dismantling and replacement of existing pipe line viz. Ejector pipe line, Pressure Balancing pipe line, service seal pressure pipe line, TGB cooler pipe line, all pressure gauge pipe line.	1	346500	346500
3	Lowering of GV lower Bush, lowering of pivot ring, dismantling of GV upper bush, Middle Bush and lowering of guide vane.	1	1386000	1386000
4	Dismantling of guide vane Servomotor linkage Mechanism. Removal of shaft seal, checking of stud bolts, pipe line modification of shaft seal.	1	752400	752400
5	Dismantling of Turbine guide bearing housing.	1	445500	445500
6	Replacement of PTFE Bushes, Lead Cushion, servomotor Cupseal, TGB cooler Valves, Oil retaining seal O- ring.	1	693000	693000
7	Modification of OPU pipe lines, Ejector pipe line etc.	1	772200	772200
8	Washing, Cleaning and testing of all modified & new pipe line.	1	297000	297000
9	Replacement of pressure gauge of water pipe line before and after of labyrinth.	1	133650	133650
10	Replacement of interconnecting valves, HMC valves, pressure balancing pipe line valves etc.	1	544500	544500
11	Servicing of all above dismantled components and sequentially arranged.	1	569250	569250
12	Bearing setting, Rotor dynamic levelling checking and correction, Allignment correction and setting, centering of shaft.	1	0	0
13	Dry run and synchronization.	1	0	0
14	Any Other work which is not included in the scope of work but required for execution of work may also be consider (Removal and support jack (02 Nos)110 tons and dismantling and finally re assembly of dome light ,stud shaft etc .)	1	99000	99000
			Total in ₹	6138000.00
			Discount in ₹	88000.00
			Total in ₹	6050000.00
			GST @18% in ₹	1089000.00
			Total in ₹	71,39,000.00

(Rupees Seventy One Lakh Thirty Nine thousand) Only

25/5/19.

Sr. Manager (E)/PH&SY(O&M)

ISO 9001, 14001
OHSAS 45001

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Govt. of India Enterprise)
Office of the Manager (E/M)
Power House & Switchyard (M), RHEP, Yayee, A.P.
Office: Tel: 03809 244345/244219
E-mail: phnsym@gmail.com

COMPLETION CERTIFICATE

It is to certify that M/s P.E.S. Engineers Pvt. Ltd. has successfully completed the Capital Maintenance of Unit # II Turbine and other associated work in water conductor system of Dikrong Power House, Ranganadi H.E. Plant, NEEPCO Ltd. Against the Work Order No. RHEP/SR.M(E)/PH&SY(O&M)/T-25(M)/19-20/682 Dtd. 25/05/2019 on 15/04/2019.

21-06-19
प्रबंधक (वि०या०) Manager (E/M)
पी०एच० एन्ड एस० वाई० (मेंटेनेन्स) PH & SY(M)
रेप/नीपको लिमिटेड RHEP NEEPCO LTD.
होज अरुणाचल प्रदेश /HOJ/A.P.

(KULDIP KUMAR)
Deputy Manager(E/M)
Dikrong Power House, Hoz
RHEP, NEEPCO Ltd.

उप-महा प्रबंधक (वि/या)
पी.एच. एण्ड वाई
Dy. General Manager (E/M), PH & SY (O&M)
रेहप, नीपको लिमिटेड
RHEP, NEEPCO Ltd., A.P.

ISO 9001, 14001
& OHSAS 45001

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Govt. of India Enterprise)

Office of the Manager (E/M)
Power House & Switchyard (M), RHEP, Yayee, A.P.
Office: Tel: 03809 244345/244219
E-mail: phnsym@gmail.com

COMPLETION CERTIFICATE

It is to certify that M/s P.E.S. Engineers Pvt. Ltd. has successfully completed the stated works of Dikrong Power House, Ranganadi H.E. Plant, NEEPCO Ltd.mentioned in the Statement of bill of quantities under Cooling water system activity (Common)- Service Part-B which is enclosed with 2nd cooling water system activity bill i.e. Invoice No. CW/2 vide Work Order No. RHEP/SR.M(E)/PH&SY(O&M)/T-25(M)/18-19/3984 Dtd. 22/02/2019 on 11/04/2019.

14/04/2019

(DEBIA MOPIN)
Junior Engineer (E/M)
Dikrong Power House, Hoz
RHEP, NEEPCO Ltd.

प्रबंधक (वि०एवं०) Manager (E/M)
पी०एच० एण्ड एस० वाई० (मेनेजमेन्ट) PH & SY(M)
रेप्को लिमिटेड NEEPCO LTD.
अरु० प्रदेश ARUNACHAL PRADESH

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/O THE SR. MANAGER (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ओ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
याजली : अरुणाचल प्रदेश
YAZALI : ARUNACHAL PRADESH -791119

Ph No. 03809-244346 (O)
Fax No. 03809-244222
e-mail : tanyatazi@rediffmail.com

ISO 9001, 14001, OHSAS 18001

759

NO. RHEP/SR.M(E)/PH&SY(O&M)/T-90(M)/17-18/ 3537 Date 8/3/2018

To,

M/s DEBSON PUMPS PVT.LTD.,
14, Bentinck Street,
Kolkata-700001,
West Bengal

Kins Attn. : Mr. Utpal Chakrabarty,
(Associate Manager-Power).
Email : utpal.chakrabarty@kbl.co.in

SUB :- **ORDER FOR SUPPLY OF 225KW KIRLOSKAR MAKE PUMP-MOTOR SET FOR COOLING WATER SYSTEM OF DIKRONG POWER HOUSE, RANGANADI HE PLANT, NEEPCO LTD, ARUNACAHL PRADESH.**

Ref :- i) KEC Offer No. KBL/KRO/UC/188730/NEEPCO/Com/REVO, dtd. 11-10-2017.
ii) Your Email, dated 5th March, 2018.

Dear Sir(s),

The Corporation is pleased to place this order for the supply of 225KW Kirloskar Make Pump-Motor Set for Cooling Water System of Dikrong Power House, Ranganadi H.E. Plant, NEEPCO Ltd., Arunachal Pradesh as per schedule of rates, Technical specification, quantity and detail terms & conditions indicated below.

Sl. No	Description	Qty	Unit Rate in Rs.	Discounted (@2%) Rate in Rs.	Amount in Rs.
1	Complete Pumps (SCT 250/51L) with Drive Motor (225KW/4Pole/HZ/SCIM/TEFC/NFLP/IP55/IE2 Class)+Base Plate+ Coupling+ Coupling Guard+ Foundation Bolt+ Companion Flanges. Motor Specification: KW-225, Duty-S1, Insulation-class-B, Speed-1488 RPM, Frame-ND355M, Voltage-415 Volt, 3-Phase, Frequency-50Hz. Pump Specification: Capacity-15600LPM, Head-60 Mtr, Pump type-Horizontal centrifugal, Axially Split Casing pump, Pump Efficiency-84%, Pump BKW at Shaft-181KW.	4 Nos	17,92,215.00	17,56,371.00	7025484.00
				Total = Rs.	7025484.00
				Packing & forwarding Charges @ 2%= Rs.	140509.68
				Total = Rs.	7165993.68
				Add GST @ 12% = Rs.	859919.24
				Total = Rs.	8025912.92
				SAY Total = Rs.	80,25,913.00

(Rupees Eighty Lakh Twenty Five Thousand Nine Hundred Thirteen) only.

Approval file.

TERMS & CONDITIONS:

1. **SCOPE OF WORK : a) SUPPLY** : Scope of work under this contract shall include Design, Engineering, Manufacturing and supply of 4 nos, 225KW Kirloskar make, Pump-Motor Set as per Technical Specification, GA Drawing and Site Drawing enclosed at Annexure-A, B and C respectively for Cooling Water system of Ranganadi H.E. Plant, Dikrong Power House, Hoz, Arunachal Pradesh.

Contd...P/2

b) **SERVICE** : For supervision of Erection & Commissioning works of Pump-Motor set a_Dikrong Power House site, you shall provide services for 5(five) days one Engineer at free of charge. However, service for beyond 5(five) days, a separate order shall be issued in due course of time.

2. **PRICES** : The prices are Firm and FOR at Ex-Works Kirloskarvadi Maharastra.

3. **Order Value: Rs. 80,25,913.00** (Rupees eighty lakh twenty five thousand nine hundred thirteen) only inclusive of Packing & forwarding charges @ 2% and GST @ 12% as shown above.

4. **Goods & Service Tax** : GST shall be paid extra as applicable at the time of dispatch of materials. The present rate of GST is 12%. Please provide your GST Registration number in the bill. Our GSTIN No. **12AAACN9991J4Z0.**

5. **Freight :** The material may please be dispatched to the Consignee through any reputed transporter on freight 'to pay' basis or freight 'paid' basis. In case of freight paid basis, the same shall be reimbursed at actual on submission of documentary evidence along with bill.

6. **Insurance :** The material shall be insured for Transit Insurance before dispatch of the materials through any reputed Insurer. The cost for Transit Insurance may be borne by you; which shall be reimbursed at actual on submission of documentary evidence along with the bill. Please intimate this office the details of insurance and dispatch of material.

7. **PAYMENT:** (i) 80% (eighty percent) payment shall be released after receipt of materials at site in full & good condition.
(ii) 10% (ten percent) payment shall be released on production of Performance Bank Guarantee of equivalent amount, which shall be valid for a period of 1(one) month above the Guarantee/Warrantee period.
(iii) Balance 10%(ten percent) payment shall be released after successful commissioning of the material.
You are requested to submit the following details along with your bill for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Registration Number (for supply of Goods and Service) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

8. **DELIVERY** : Delivery of material shall be completed within 5 (five) months from the date of approval of Drawing or manufacturing clearance; whichever is later.

9. **Technical Specification & Drawing:** The Pump-Motor Set shall be as per technical specification indicated in Technical Data Sheet, GA Drawing and Site Drawing enclosed at Annexure-A, B and C respectively.
The contractor shall submit GA Drawing matching with our site drawing at reasonable time preferably within 15(fifteen) days from the date of issue of this order for approval of Corporation. Upon approval, contractor shall go for manufacture of the Pump-Motor set.

10. **Packing & Marking :** The supplier shall be responsible for securely protecting and packing the equipment taking special care for protruding parts & such other vulnerable parts as per prescribed standard to withstand the journey ensuring the safety of the equipment. The consignment shall super scribed with detail address of the Consignee & place of destination.

11. **Inspection & Testing:** The equipment shall under go all the required Routine tests and Type Test as per the relevant IS code without any extra cost to the Corporation. The test shall be carried out to evaluate the performance of the equipment . The supplier shall give notice well in advance to the Corporation for inspection and witness the test. However, the Corporation reserves the right to waive this inspection.

Contd...P/3

Neither the waival of the inspection nor acceptance after inspection by the purchaser shall in any way absolve the supplier from his responsibility towards satisfactory performance of the equipment. Contractor shall arrange for witness of Tests at their work site without any extra cost to Corporation.

12. **Test Certificate:** The supplier shall submit the Test Certificate of the Pump-Motor Set as per relevant IS along with material.

13. **Guarantee/Warranty:** The material shall be warranted against any design, manufacturing & workmanship defect for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) month from the date of commissioning whichever is earlier. Failure / Malfunctioning of the equipment or any component during this period under normal use shall be remedied with necessary repair / replacement free of cost by the supplier. All incidental cost of such repair / replacement shall be to the supplier's account without extra cost to Corporation.

14. **CONSIGNEE** : Manager (E), Power House Store, Ranganadi HE Plant, NEEPCO Ltd, Hoj, Papumpare Dist., Arunachal Pradesh.

15. **PAYING AUTORITY:** The Manager (Fin), Finance & Accounts Wing, RHEP , NEEPCO Ltd, Yazali , Dist-Lower Subansiri, Arunachal Pradesh - 791119.

16. **FORCE MAJEURE** : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

17. **LIQUIDATED DAMAGE:** If the firm fail to supply the material within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the supply & work or part thereof per week subject to maximum of five 5% (five percent) of the total value of the order.

18. **ARBITRATION** : Any dispute in respect of which :

(a) The decision, if any, of the Engineer-in-Charge has not become final.

(b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Ergineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act. No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt & acceptance of this order for our record.

Thanking you.

Yours faithfully,

Sd/-
(TANYA TAJI)
Sr. Manager (E)
PH & SY (O&M.), RHEP,
NEEPCO Ltd. Hoz. AP

Memo No. RHEP/SR.M(E)/PH&SY(O&M)/T-90(M)/17-18/ 3538 Date 8/3 /2018.

Copy to :-

1. M/s Kirloskar Brothers Ltd.,KCI Plaza, 1st Floor,23-C, Ashitosh Chowdhury Avenue, Kolkata – 700 019, Kind Attention : Mr. Utpal Chakrabarty, Associate Manager-Power – for information & necessary action please.

Sd/-
Sr. Manager (E)
PH & SY (O&M.), RHEP.

Memo No. RHEP/SR.M(E)/PH&SY(O&M)/T-90(M)/17-18/ 3539-44 Date 8/3 /2018.

Copy to :-

1. The H.O.P., RHEP - for favour of kind information please. This has reference to the approval of ED(O&M),NEEPCO, conveyed vide U.O. No. 959 Dtd. 15.02.2018 and the note of HOP, RHEP conveyed vide U.O.No. 2833, dtd. 19-02-2018.
2. The DGM(E/M), RHEP – for favour of kind information please.
3. The Manager (Finance), RHEP - for information please. A copy of approval of competent authority is enclosed herewith for ready reference please.
4. The Manager, PH& SY(Maint), Dikrong Power House , RHEP, Hoz - for information & necessary action Please.
5. The Manager (E/M), PH Store, RHEP, Hoz - for information & necessary action please.
6. The Manager (C), Vigilance Wing, RHEP- for information please.

8/3/18.

Sr. Manager (E)
PH & SY (O&M), RHEP

Approval file

FY 2019-2020
Annexure-10

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/O THE SR. MANAGER (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ओ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791119

Ph No. 03809-244346 (O)
Fax No. 03809-244222
E-mail: tanwataz@rediffmail.co

NO. RHEP/SR.M (E)/PH&SY(O&M)/T-25(M)/18-19/ 3994 Date : 22/02/2019

To,

M/s P.E.S. Engineers Private Limited,
Camp: Ranganadi Project Site,
Hoz, Arunachal Pradesh.

SUB :- ORDER FOR RETROFITTING OF COOLING WATER PUMP MOTOR SET AND OTHER ASSOCIATED WORK IN WATER CONDUCTOR SYSTEM & PERIPHERY OF DIKRONG POWER HOUSE.

Ref: -
1. Our letter No. RHEP/SR.M(E/M)/PH&SY(O&M)/T-25/18-19/3174 dtd. 05.01.19
2. Offer No. PESEPL/RHEP/F-2/2018-19/67 Dtd.09/01/2019.
3. MOM Dated-28.01.2019
4. LOI No- RHEP/SR.M(E/M)/PH&SY(O&M)/T-25/18-19/3819 dtd. 13.02.19

Dear Sir(s),

In confirmation to our LOI No- RHEP/SR.M(E/M)/PH&SY(O&M)/T-25/18-19/3819 Dtd.13/02/2019 , the Corporation is pleased to place this detailed order for retrofitting of Cooling Water Pump-Motor Set and other associated work in Water Conductor System and periphery of Dikrong Power House as per rates enclosed in Annexure-A, scope of work and terms & conditions indicated below.

SCOPE OF WORK :

Scope of Supply: The scope of work under this contract shall include supply of Steel Material for fabrication of Supporting Structure, Ladder for MIV repairing work of Dikrong Power House ,Ranganadi HE Plant, Hoz, Arunachal Pradesh as per enclosed Schedule of Price Annexure-A,

Scope of Service: The Retrofitting of Cooling water system, replacement of strainer, Replacement of Valves, dewatering Management, modification of pipe Line and other associated work in water conductor system & periphery of Dikrong Power House shall be executed in consultation with Engineer In-charge or his representative. The contractor shall strictly follow the instruction & guidelines stipulated as per the OEM.

Scope of work under this contract shall include the following activities:

A. Cooling Water System Activity:
- Retrofitting and commissioning of 4 Nos 225 KW Cooling Water Pump-Motor Set.
- Replacement of 4 Nos 400NB Butterfly Valves in Cooling Water.
- Replacement of 4 Nos 300NB Suction Isolating Valves in Cooling Water Pipe Line.
- Replacement of 4 Nos Cooling Water Main Strainer.
- Replacement of Suction Valve in Fire Fighting Pipe Line and ATCW Pipe Line.
- Replacement of Unit-2 Butterfly Valve.

Approved file

B. Modification of existing ATCW cooling water system with a closed loop Cooling Water system.
C. Managing of Power House Dewatering System during entire plant shutdown period.
D. Installation of Pump-Motor sets and its accessories with modification pipe lines for Dewatering of Penstock seepage water.
E. Rearrangement of Pipe Line and managing of Tailpool Dewatering through Drainage and Dewatering pump.

Contd P-2

F. Supply of following material for fabrication of supporting structures, ladders etc

Sl. No.	Description of items	Qty in Kg
1	M.S. Flat 25 mm x 5 mm	2000
2	M.S. Angle 50 mm x 50 mm x 5 mm	2000
3	M.S. Angle 65 mm x 65 mm x 8 mm	2000
4	M.S. Flat 100 mm x 10 mm	500
5	M.S. Plain Rod Ø 25 mm	200
6	M.S. Flat 50 mm x 10 mm	500
7	M.S. Channel 100 mm x 50 mm x 6 mm	1000

G Fabrication of Supporting Structure, Ladders for removal and reassembling of MIV and its other accessories etc.
H. Arrangement of Illumination in the Penstock Upstream Side of MIV and wherever it is required.

Any Other work which is not included in scope of work but required for execution of work are deemed to be considered.

The scope of Work under NEEPCO are
(1) Construction Power Supply.
(2) EOT crane.
(3) Mobile Crane.
(4) Tata Truck.
(5) Torque Wrench and other tools & Tackles. However any special tools require during the execution of work shall be arranged by the contractor.
(6) Consumables.
(7) Pump-Motor of different capacity as and when require.
(8) Illumination Fitting and Fixing along with cables.
(9) Different Sizes Slings.

TERMS AND CONDITIONS

1. The contract value is ₹ 76,27,520.00 (Rupees Seventy Six Lakh Twenty Seven thousand Five Hundred Twenty) Only inclusive of GST & shall remain firm till completion of entire job.

2. **Good & Service Tax (GST)** : (a) Supply Part: GST shall be paid extra on the supply parts at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill.
   (b) Service Part: GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill. **Our GSTIN No-12AAACN9991J4Z0.**

3. **Defect Liability:** any defect during execution of work due to poor workman ship shall have to be remade/ rectify by you without any extra cost to corporation.

4. **Payment Term:** (i) Supply Part: 100% (Hundred percent) payment shall be made after receipt of material at site in full & good condition. Infact the material is already received at site.
   (ii) Service Part: (a) 90%(ninety percent) payment shall be made progressively after successful completion of job as defined in the Annexure-A and on full satisfaction of Engineer In Charge.
   (b) Balance 10% (ten percent) payment shall be made after 6 (Six) Months from the date of synchronization of the Last unit or submission of BG of Equivalent amount.

Contd P-3

You are also requested to submit either the following details along with your Bill / Invoice or your invoice should contains following details for e-payment:

i) Name & complete address of your firm as per bank record.
ii) complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit)
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

5. **DELIVERY :** Delivery of material shall be completed within 15 (Fifteen) Days from the date of issue of LOI. Date of Issue of LOI is 13/02/2019. Infact the material is already received at site due to urgency of work.

6. **Time of completion:** The Retrofitting of Cooling water system, replacement of strainer, Replacement of Valves, dewatering Management, modification of pipe Line and other associated work in water conductor system & periphery of Dikrong Power House shall be completed within 3 (Three) Months from the date of issue of LOI. However all effort shall be made to complete the work as early as possible. Date of Issue of LOI is 13/02/2019

7. Any statutory rules & regulations as per labour law shall be applicable.

8. **Paying Authority :** The Sr. Manager (Fin), Finance & Accounts Wing , RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

9. **Consignee** : (a) Supply Part: Manager (E), Power House Store, Ranganadi HE Plant, NEEPCO Ltd, Hoj, Papum Pare Dist., Arunachal Pradesh.
(b) Service Part: The Manager (E), PH&SY(M), Dikrong Power House, Hoz . The work shall be executed in consultation with consignee.

10. **Liquidated Damage:** If the firm fail to execute the work within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

11. **Force Majeure :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

12. **Arbitration :** Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.
b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

Contd P-4

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act,1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt and acceptance of this order

Thanking you.

Yours faithfully,

(Tarun Das)
Sr. Manager (E/M)
PH & S.Y (O&M)
RHEP, NEEPCO LTD., Hoj.

MEMO NO. RHEP/SR.M(E)/PH&SY(O&M)/T-25(M)/18-19/ 3985-91 Date : 22/02/2019

Copy to :-

1. The Executive Director (O&M),NEEPCO Ltd., Shillong for favour of kind information please. This has a ref. to his approval conveyed vide U.O.No. 1206, dtd. 11.02.19.
2. The Head of Project, RHEP – for favour of kind information please. This has reference to his approval conveyed vide U.O. No.3066, dtd. 12.02.19
3. The D.G.M.(E/M), RHEP – for favour of kind information please. This has reference to his note conveyed vide U.O. No.1669, dtd. 13.02.19 .
4. The Sr. Manager (Finance), RHEP - for information & necessary action please.
5. The Manager (E/M), PH Store, Hoj, RHEP, AP for information & necessary action please.
6. The Manager (E), PH&SY(M), Hoj – for information & necessary action.
7. The Manager (C), Vigilance Wing, RHEP for information please.

Sr. Manager (E)/PH&SY(O&M)

A. Supply Part.

SL No	Description of Material	Qty. in Kg.	Rate per Kg (₹)	Amount (₹)
1	M.S Flat 25 x 5 mm	2000	80.00	160000.00
2	M .S Angle 50x50 x5 mm	2000	80.00	160000.00
3	M. S Angle 65x65x8 mm	2000	80.00	160000.00
4	M.S Flat 100x10 mm	500	80.00	40000.00
5	M. S Flat Rod Dia 25 mm	200	80.00	16000.00
6	M. S Flat 50x10 mm	500	80.00	40000.00
7	M. S Channel 100x50x6 mm	1000	80.00	80000.00
			Total in ₹	656000.00
			GST @ 18% in ₹	118080.00
			Total in ₹	774080.00

B. Service Part:

	Cooling water system Activity (Common)	Unit	Price per Lot ₹	Total Amount in ₹
1	Retrofitting and commissioning of 4Nos. 225KW Cooling water Pump- Motor set.	1 Lot	600000	600000
2	Replacement of 4Nos. 400NB Butterfly valve in Cooling water system.	1 Lot	0	0
3	Replacement of 4Nos. 300NB Suction Isolating valves in Cooling water pipe line .	1 Lot	480000	480000
4	Replacement of 4Nos. Cooling water pipe line main strainer.	1 Lot	900000	900000
5	Replacement of Suction Isolating valves in Fire Fighting Pipe line and Auto Transformer Cooling water pipe line.	1 Lot	550000	550000
6	Replacement of unit # 2 Butterfly valves.	1 Lot	100000	100000
7	Modification of Existing Auto Transformer cooling water System with a closed loop cooling water system.	1 Lot	200000	200000
8	Managing of power House Dewatering System during Entire Plant shut down period.	1 Lot	1500000	1500000
9	Installation of Pump- Mottor sets and Its accessories with modification pipe line for dewatering of penstock seepage water.	1 Lot	800000	800000
10	Arrangement of pipe line and Managing of tail pool Dewatering through drainage and dewatering pump.	1 Lot	378000	378000
11	Fabrication of Supporting Structure, Ladder for Removal and Re-assembling of MIV and Its other Accessories etc.	1 Lot	200000	200000
12	Arrangement of Illumination in the Penstock Up strem side of MIV and whenever is required.	1 Lot	100000	100000
			Total in ₹	5806000.00
			GST @ 18% in ₹	1045440.00
			Total in ₹	6853440.00
			Grand Total (A+B) in ₹	7627520.00

(Rupees Seventy Six Lakh Twenty Seven thousand Five Hundred Twenty) Only

Sr. Manager (E)/PH&SY(O&M)

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Minutes of the Meeting Held between NEEPCO Ltd. and M/s Cenlub System, Faridabad

Member Presents

M/s NEEPCO Ltd.

1) Tanya Taji, DGM (E)
2) Tarh Naga, Manager (E/M)
3) DC Manta, Manager (E/M)
4) Kuldip Kumar, Dy. Manager (E/M)
5) P J Rao, JTO (Mechanical)

M/s Cenlub System, Faridabad

1) Kuldeep Yadav, Service Engineer

The representative of M/s Cenlub System,Faridabad visited P. H. site on 14/03/2019 for erection, commissioning & testing of centralized grease lubrication at Dikrong Power House, RHEP against order no. NEEPCO/RHEP/HOP/T-53/18-19/40 Dtd. 04/04/2018. During the visit of representative of M/s Cenlub system, the following works have been carried out-

a) The existing defective CGL dual line system has been dismantled along with dose feeders and feeding pipelines for all the 03 (Three) units
b) Laying of SS 304 20 mm OD pipelines, ½" high pressure ball valve, 1/4" ball valve etc. with fittings as per the modified CGL drawing carried out for all the 03 (Three) units
c) Installation of 69 nos dose feeders with fittings done for all the 03 (Three) units.
d) Installation of 9 mm Hose for Turbine, Pivot ring and MIV totaling 3 x 91 lubrication points done for all the 03 (Three) units
e) Installation of 9 nos end pressure relay as per the modified CGL drawing done for all the 03 (Three) units.
f) Old grease from the grease container removed, cleaned and refilled with new Castrol AP3 grease for all the 03 (Three) units.
g) Functioning of all the 69 nos dose feeders checked with indication piston by running the CGL pump station and found to be in order.
h) Grease lubrication checked in all points by opening the hose end points at 80-90 kg/ cm^2 indicated by end pressure relay for all the 03 (Three) units and found OK.
i) As communicated by M/s Cenlub System, AP3 grease which has been in use for all the 03 (Three) units up to 2012 is not suitable for operation in newly supplied pumping station. As such, the commissioning of CGL system in all the 03 (Three) units were finally done successfully with old and existing pump station as detailed in sl no. (a) to (h).
j) M/s NEEPCO requested M/s Cenlub System to send the O&M manual both Hard Copy & Soft Copy within 02 (two) days. M/s Cenlub System agreed to the same.
k) The Representatives M/s Cenlub System, Faridabad left Power House Site on 04/06/2019 in the evening.

NEEPCO Ltd.

प्रबंधक (विद्युत) Manager (E/M)
पी०एच० एण्ड एम० वाई०(मेकेनेन्स) PH & BY(M)
रेप/दीपावली पावर हाउस RHEP NEEPCO LTD.
रोइंग अरुणाचल प्रदेश ROING A.P.

M/s Cenlub System

Copy Obtained (CSP) Kuldeep

~334~

ISO 9001, 14001
OHSAS 45001

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Govt. of India Enterprise)

Office of the DGM (E)

Power House & Switchyard (O&M), RHEP, Yayee, A.P.

Office: Tel: 03809 244245

E-mail: phnsym@gmail.com

COMPLETION CERTIFICATE

It is to certify that M/s Cenlub System, Faridabad has successfully completed the erection, commissioning & testing of Centralized Grease Lubrication at Dikrong Power House, Ranganadi H.E. Plant, NEEPCO Ltd. vide Work Order No. NEEPCO/RHEP/HOP/T-53/18-19/40 Dtd. 04/04/2018 on 03/06/2019.

प्रबंधक (वि०या०) Manager (E/M)
पी०एच ०एन्ड एस्०० वाई ०(मेंटेनेन्स) PH & SY(M)
रेप/नीपको लिमिटेड RHEP NEEPCO LTD.
होज अरुणाचल प्रदेश /HOJ/A.P.

(D C MANTA)
Manager (E/M)
Dikrong Power House, Hoz
RHEP, NEEPCO Ltd.

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Minutes of the Meeting Held between NEEPCO Ltd. and M/s Cenlub System, Faridabad

Member Presents

M/s NEEPCO Ltd.

1) Tanya Taji, DGM (E)
2) Tarh Naga, Manager (E/M)
3) DC Manta, Manager (E/M)
4) Kuldip Kumar, Dy. Manager (E/M)
5) P J Rao, JTO (Mechanical)

M/s Cenlub System, Faridabad

1) Kuldeep Yadav, Service Engineer

The representative of M/s Cenlub System,Faridabad visited P. H. site on 14/03/2019 for erection, commissioning & testing of centralized grease lubrication at Dikrong Power House, RHEP against order no. NEEPCO/RHEP/HOP/T-53/18-19/40 Dtd. 04/04/2018. During the visit of representative of M/s Cenlub system, the following works have been carried out-

a) The existing defective CGL dual line system has been dismantled along with dose feeders and feeding pipelines for all the 03 (Three) units
b) Laying of SS 304 20 mm OD pipelines, ½" high pressure ball valve, 1/4" ball valve etc. with fittings as per the modified CGL drawing carried out for all the 03 (Three) units
c) Installation of 69 nos dose feeders with fittings done for all the 03 (Three) units.
d) Installation of 9 mm Hose for Turbine, Pivot ring and MIV totaling 3 x 91 lubrication points done for all the 03 (Three) units
e) Installation of 9 nos end pressure relay as per the modified CGL drawing done for all the 03 (Three) units.
f) Old grease from the grease container removed, cleaned and refilled with new Castrol AP3 grease for all the 03 (Three) units.
g) Functioning of all the 69 nos dose feeders checked with indication piston by running the CGL pump station and found to be in order.
h) Grease lubrication checked in all points by opening the hose end points at 80-90 kg/ cm^2 indicated by end pressure relay for all the 03 (Three) units and found OK.
i) As communicated by M/s Cenlub System, AP3 grease which has been in use for all the 03 (Three) units up to 2012 is not suitable for operation in newly supplied pumping station. As such, the commissioning of CGL system in all the 03 (Three) units were finally done successfully with old and existing pump station as detailed in sl no. (a) to (h).
j) M/s NEEPCO requested M/s Cenlub System to send the O&M manual both Hard Copy & Soft Copy within 02 (two) days. M/s Cenlub System agreed to the same.
k) The Representatives M/s Cenlub System, Faridabad left Power House Site on 04/06/2019 in the evening.

NEEPCO Ltd.

प्रबंधक (विद्युत) Manager (E/M)
पी०एच० एण्ड एस० वाई०(मेंटेनेन्स) PH & SY(M)
रेप/नीपको लिमिटेड RHEP/NEEPCO LTD.
रंग अगाव बन ६२७ DHOLA P.

M/s Cenlub System

Copy Obtained (CSP) Kuldeep

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HOP, RHEP

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited

संयंत्र प्रमुख का कार्यालय/ OFFICE OF THE HEAD OF PLANT

रंगानदी जल विद्युत आयोजना :: RANGANADI HYDRO ELECTRIC PLANT

पी.ओ. : रंगानदी प्रोजेक्ट :: P.O. : RANGANADI PROJECT

यazali, अरुणाचल प्रदेश :: YAZALI, ARUNACHAL PRADESH 791119

No. NEEPCO/RHEP/HOP/T-53/2019-20/ Dated the /2019

M/S CENLUB SYSTEM
PLOT NO. 42, DLF INDUSTRIAL ESTATE-1
FARIDABAD-121003, HARYANA

Kind Attn : Mr. B.K. MITTAL
e-mail: mittal@cenlub.com

SUB: TIME EXTENSION ORDER AGAINST "SUPPLY OF SPARES FOR CENTRALISED GREASE LUBRICATION SYSTEM OF 3 X 135 MW DIKRONG POWER HOUSE, RANGANADI H.E. PLANT, NEEPCO LTD, YAZALI, ARUNACHAL PRADESH"

Ref: 1) P.O. No. NEEPCO/RHEP/HOP/T-53/2018-19/2271 dtd. 26.12.2018

Dear Sir,

With reference to above we are pleased to inform you that the time extension against "Supply of spares for Centralised Grease Lubrication System of 3X135 MW Dikrong Power House, Ranganadi H.E. Plant, NEEPCO, Arunachal Pradesh" up to **15.03.2019** have been agreed upon by the Competent Authority without levy of penalty. Hence, the clause no. 4 of the aforesaid order is amended as follows:

As per Original Clause

4. **Delivery Period** : The materials shall be delivered within 08 (eight) weeks from the date of issue of this purchase order. However, considering that the materials shall be required for commissioning of the C.G.L. System in totality and that other materials for commissioning have already been received at site, efforts to supply the materials at the earliest should be made from your end.

Amended Clause

4. **Delivery Period** : The delivery period of the material has been extended up to **15.03.2019** without levy of penalty.

This is a partial modification of the original supply order and all other terms and conditions of the order mentioned under reference (1) will remain unchanged.

Yours faithfully

(Tapodipta Roy)
Sr. Manager(E/M), C&P
RHEP, NEEPCO Ltd, Yazali(A.P.)
Dated:

File
24/05/19.

Memo No: No. NEEPCO/RHEP/HOP/T-53/2019-20/ Dated:

Copy to:
1. The D.G.M., RHEP - for favour of kind information please. This has reference to his approval dtd. 24.05.2019.
2. The D.G.M. (E/M), RHEP - for favour of kind information please.
3. The Sr. Manager (E/M), RHEP(O&M) - for for information & necessary action please.
4. The Sr. Manager (Finance), RHEP - for information please. A copy of approval & completion authority is enclosed herewith for ready reference please.
5. Manager (E/M), Power House Store, RHEP, Roz - for information and necessary action please.
6. Manager (C & Vigilance wing), RHEP for information please.

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

North Eastern Electric Power Corporation Limited

भारत सरकार का उद्यम (A Govt. of India Enterprise)

ISO9001:2008, 14001:2004, OHSAS 18001:2007

संयंत्र प्रमुख का कार्यालय/ OFFICE OF THE HEAD OF PLANT

रंगानदी जल विद्युत संयंत्र :: RANGANADI HYDRO ELECTRIC PLANT

पो.ऑ. : रंगानदी प्रोजेक्ट :: P.O. : RANGANADI PROJECT

याजली, अरुणाचल प्रदेश :: YAZALI, ARUNACHAL PRADESH-791119

PH. No. 03869-222205
FAX : 03869-222212
e-mail : contracts.rhp@gmail.

No. NEEPCO/RHEP/HOP/T- 53 /2018-19/ 2275 Date: 26-12-2018

To,

M/S CENLUB SYSTEM
PLOT NO. 42, DLF INDUSTRIAL ESTATE-1
FARIDABAD-121003 , HARYANA

Kind Attn : Mr. R.K. MITTAL
e-mail :mkt@cenlub.com

SUB: ORDER FOR SUPPLY OF SPARES FOR CENTRALISED GREASE LUBRICATION SYSTEM OF 3 X 135 MW DIKRONG POWER HOUSE, RANGANADI H.E. PLANT, NEEPCO LTD, YAZALI, ARUNACHAL PRADESH

Ref :
1. PO No. NEEPCO/RHEP/HOP/T-53/18-19/40 dtd. 04.04.2018
2. MOM dtd. 06.04.2018
3. Amendment Order No. NEEPCO/RHEP/HOP/T-53/18-19/668 dtd. 21.06.2018
4. Your Mail dtd.09.10.2018
5. Your Offer No. CS/SG/P201810011:QTN:18-19/Q2309 dtd. 09.10.2018

Dear Sir(s),

With reference to above, the undersigned on behalf of the North Eastern Electric Power Corporation (herein after referred as "Purchaser") is pleased to place this detailed order on you (herein after referred as "Supplier") for **"Supply of spares/materials for Centralised Grease Lubrication System** of 3 x 135 MW, Dikrong Power House , Ranganadi HE Plant, NEEPCO Ltd., Arunachal Pradesh" as per schedule of prices & Technical Specification enclosed as Annexure-A & B respectively. The detailed scope of work, Terms & Conditions are detailed herein-under.

A. SCHEDULE OF PRICES:

The schedule of Price is enclosed as Annexure-A
Technical Specification as Annexure-B

B. SCOPE OF WORK

The scope of work under this contract shall be Supply & delivery at site of spares/materials as per schedule prices (Annexure-A) & Technical Specification (Annexure-B). The supplied spares/items of this order shall also be installed & commissioned free of cost by you along with other spares/materials of our earlier order under ref (1 & 3) so that Commissioning & Testing of Centralised Grease Lubrication System for three units of 3 x 135 MW, Dikrong Power House in totality can completed and CGL system shall be made fully operative. Any other minor spares/items required during commissioning of C.G.L. system shall be supplied free of cost.

C. TERMS & CONDITIONS

1. **Prices:** The prices are at F.O.R. Dikrong Power House Site, Hoz, RHEP, NEEPCO , Arunachal Pradesh basis inclusive of GST.

1. **Taxes:** GST @18% shall be applicable for this contract which is indicated in schedule of Prices. However, prevailing rate of GST at the time of despatch of materials shall be paid at actual against documentary evidence. Please provide your GSTIN no. in invoice. Our **GSTIN** No. **12AAACN9991J4Z0**

2. **Order Value: ₹ 17,87,700.00** (Rupees Seventeen Lacs Eighty Seven Thousand Seven Hundred) only Inclusive of GST.

Contd...P/2

3. Terms of Payment :

(a) Supply Part :

(i) 80% (Eighty Percent) payment shall be made after receipt of materials in full & good condition at site and on certification by Engineer In Charge or his authorised representative and consignee.

(ii) 10% (Ten Percent) payment after completion of installation, testing & commissioning of the CGL system to the full satisfaction of E-I-C.

(iii) Balance 10% (ten percent) shall be released after expiry of defect liability period or on submission of Bank Guarantee of 10% (ten percent) of the contract value. The Bank Guarantee shall be released after expiry of defect liability period.

(iv) No part payment/advance payment shall be entertained against this contract.

You are requested to submit your bill in triplicate with the following details to the consignee for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GSTIN certificate
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

4. Delivery Period : The materials shall be delivered within 08 (eight) weeks from the date of issue of this purchase order. However, considering that the materials shall be required for commissioning of the C.G.L. System in totality and that other materials for commissioning have already been received at site, efforts to supply the materials at the earliest should be made from your end.

5. Engineer –In- Charge : Sr. Manager (E/M), PH&SY (O&M), Dikrong Power House, Hoj shall be the EIC for this contract. On arrival of materials at site, the same shall be inspected jointly by the Consignee & E-I-C or his authorised representative to verify the materials as per order & specification. If E-I-C feels/demands the presence of supplier during inspection of material at site, the supplier shall depute himself or his authorised representative after getting such intimation by EIC/undersigned.

The Purchaser / his authorized representative shall with in 10(Ten) days from the date of inspection at site give notice in writing to the supplier, of any objection to any specification and workmanship which in his opinion is not accordance with the contract.

The supplier shall give due consideration to such objection & shall either replace the rejected items or make the necessary modifications to remove the cause of such objection. The same shall be done at no extra cost to the Corporation.

6. Defect Liability: The spares supplied & fitted shall be subjected to a defect liability period of 1(one) year from the date of successful commissioning of the system or 18 months from the date of receipt of materials at site whichever is earlier. Any defect in the spares, services & overall performance of the system detected after the completion of the commissioning within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment shall be made by the corporation.

The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer-In-Charge and decision of Engineer-In-Charge in this matter shall be final and binding.

7. Materials & Workmanship:

The materials supplied should confirm to the technical specification as given in the schedule of prices & Technical Specification. Wherever the same is not available, the same shall be of the best quality and workmanship capable of satisfactory operation under the normal operating and atmospheric conditions prevailing at site. Unless otherwise specified they shall conform in all respect to the requirements of the latest edition of relevant IS and standards.

8. Packing & Marking :

The supplier shall be responsible for securely protecting and packing the materials taking special care for protruding parts & such other vulnerable parts as per prescribed standard to withstand the journey ensuring journey in the hilly terrain for the safety of the materials. The consignment shall be clearly super scribed with the address of consignee.

Contd. P/3

9. **Paying Authority :**
The Sr. Manager (Finance), RHEP, NEEPCO Ltd., Yazali, Dist. - Lower Subansiri, Arunachal Pradesh, Pin - 791 119.

10. **Consignee :**
The Manager (E), Power House store , RHEP, NEEPCO Ltd., Hoz (Yayee), Dist. Papumpare, Arunachal Pradesh. Contact No. 9436255484/9862765848.

11. **Force Majeure :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

12. **Arbitration :** Any dispute in respect of which:
    a) The decision, if any, of the Engineer-in-Charge has not become final.
    b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act,1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

All other terms & conditions for this contracts which are not covered in this order shall be governed as per earlier order under ref (1&3).

Please acknowledge the receipt and acceptance of this order for our record.

Thanking you.
Endo : 1. Schedule of prices – Annexure- A
2. Technical Specification- Annexure-B

Yours faithfully,

(Dipankar Roy)
Sr. Manager (E/M), C&P
O/o the HOP, RHEP, NEEPCO
Yazali, Arunachal Pradesh
Date: 26-12-2018

Memo No. NEEPCO/RHEP/HOP/T- 53 /2018-19/ 2274-79

Copy to :-
1. The H.O.P., RHEP - for favour of kind information please. This has reference to his approval Dtd. 13.12.2018
2. The D.G.M. (E/M), RHEP - for favour of kind information please.
3. The Sr. Manager (E/M), PH&SY(O&M), Dikrong Power House, Hoz for information & necessary action please.
4. The Sr. Manager (Finance), RHEP - for information please. A copy of approval of competent authority is enclosed herewith for ready reference please.
5. The Manager (E/M), Power House Store , RHEP, Hoz - for information and necessary action please.
6. The Manager (C),vigilance wing, RHEP for information please

Sr. Manager (E/M), C&P
O/o the HOP, RHEP, NEEPCO

Annexure-A

SCHEDULE OF PRICES

Name of work : Supply, Erection, Testing & Commissioning of Centralised Grease Lubrication System for 3 x 135 MW Dikrong Power House, Ranganadi H.E. Plant, NEEPCO, Arunachal Pradesh.

Sl.No.	Description of items	Unit	Qnty	Rate in₹	Amount in ₹
1	Pumping Station TLMPG-15-S100-1L-HRV with Hydraulic Reversing Valve and 16 mm OD Tube Fittings as per Technical Specification, Annexure-B	Nos.	3	225000.00	675000.00
2	End Pressure Relay Valve (Double Pressure Switch) as per Technical Specification, Annexure-B	Mtrs	9	25000.00	225000.00
3	Electrical Control Panel with EPR connection 415 V as per Technical Specification, Annexure-B	Nos.	3	100000.00	300000.00
4	Assembly of Pneumatically Operated Grease Refilling Pump for 180 Kg Std. Grease Barrel with filter, as per Technical Specification, Annexure-B	Nos.	3	105000.00	315000.00
					15,15,000.00
				Add GST @18%	2,72,700.00
				Total Amount	17,87,700.00
				SAY	**₹ 17,87,700.00**
(Rupees Seventeen Lacs Eighty Seven Thousand Seven Hundred) only					

Sr. Manager (E/M), C&P
O/o the HOP, RHEP, NEEPCO

Annexure-B

TECHNICAL SPECIFICATION FOR SPARES/ITEMS OF CGL SYSTEM.

A. PUMP STATION ASSEMBLY

a. High Pressure pump with safety valve, Pressure Gauge and lubricant filter

Model	- TLMPG-15-S100-1L-HRV
No. of outlet	- One
Maximum Pressure	- 400 Bar
Relief Valve setting	- 350 Bar
Grease Output	- 150 cc/min
Drive	- Electrical Motor with gear box
Motor Rating	- 1 HP, 4 Pole, 3 Ph, 415V AC, 50 Hz
	- IP-55 Class Protection, Class-F
Make of Motor	- Siemens/ ABB/ Bharat Bijlee/ Equivalent
Reservoir Capacity	- 100 Liters
level Switch	- Low Level
Inline Grease Filter	- 300 micron
Pressure Gauge	- 0-400 Bar
Grease Grade	- Suitable up to NLGI 2
Make	- Cenlub Systems

b. Change over valve

Type	- Hydraullically operated with Proximity switch
Reversing valve set pressure	- 225-250 Bar
Make	- CENLUB SYSTEMS

B. CONTROL PANEL

Type	- Relay Based
Enclosure Class	- IP 55
Input Voltage	- 415V AC, 3 Ph
EPR connection	- 3 Nos.
Make	- CENLUB SYSTEMS

C. END PRESSURE RELAY

Pressure Switches	- Set at 75bar
Pressure Gauge	- 0-400 Bar
Make	- CENLUB SYSTEMS

D. REFILLING PUMP

a. Air Control Unit

Manual Shuttle Valve (For ON-OFF)

Air Filter

Air Lubricator

Air Pressure Regulator

Air flow control valve

b. Pneumatic Grease Pump

Drive	- Pneumatic operated barrel pump with follower plate
Grease output at free flow	- 1500 gm/min at 8 bar air pressure
Barrel pump	- suitable for 180 kg stand
Pump mounted	- On a cover plate
Required air pressure	- 5-6 Bar
Grease line hose	- 1 Nos.
Air line hose	- 1 Nos.
Inline grease filter	- 300 micron
Pressure Gauge	- 0-400 Bar
Grease Grade	- Suitable up to NLGI 2

T82

06/4/18

Minutes of the Meeting Held between NEEPCO Ltd. and M/s Cenlub Systems, Faridabaad

Member Presents

M/s NEEPCO Ltd.

1) M.L.Kumhar, Sr. Manager (E)
2) Tarh Naga, Dy. Manager (E/M)
3) Kuldip Kumar, Asstt. Manager (E/M)
4) P.J.Rao, JTO (Mechanical)

M/s Cenlub Systems, Faridabaad

1) Sheoji Gupta, Project Manager

The representative of M/s Cenlub Systems, Faridabaad visited P. H. site on 06/04/2018 in reference with PO No. NEEPCO/RHEP/HOP/T-53/2018-19/40 Dtd.04/04/2018 for inspection of existing centralized grease lubrication (CGL) of Dikrong Power House, RHEP, NEEPCO Ltd. During his inspection, the following points have been noted for execution of work in totality-

a) The Representative inspected the existing CGL system of Dikrong Power House and it was found that the system is in dead condition.

b) The Representative along with the representatives of NEEPCO has thoroughly checked the CGL system and prepared an exact Bill of Materials as per site condition according to revised layout of modified CGL system. The actual bill of materials has a slight deviation with respect to previous bill of materials prepared in above reference PO. Moreover, some new items shall have to be included for installation of modified CGL system.

Now materials are required as per list mentioned in Annexure-A (Deviation List) referred in **Actual required quantity** Column.

c) The Representatives of Cenlub Systems has recommended to replace the existing grease pump and container with its control panel as the system is defunct for the last 10 years and the same is obsolete now. Besides this, the existing pump will not be compatible for installation of modified CGL system due to non-availability of pumps main line changeover arrangement and pneumatic operated refilling pump.

T-34 05 06/4/2018

d) End pressure relay (EPR) valve of existing CGL system of Dikrong Power House is found defective. For installation of modified CGL system, new modern EPR has to be incorporated.

e) Now, the below mentioned new items are required for proper functioning of modified CGL system as per the recommendation of M/s Cenlub Systems, Faridabaad. These items were not considered in above mentioned PO.

Sl No	Particulars	Unit	Total Quantity	Remarks
01	Motorised Pump TLMPG-15-S100-1L-HRV with hydraulic reversing valve and 16 mm OD tube fitting	Nos	03	
02	End Pressure Relay Valve (Double pressure switch type)	Nos	09	
03	Electrical Control Panel with 3 EPR connection 415 V	Nos	03	
04	Pneumatic operated refilling pump for 180 kg std. grease barrel with lifter	Nos	03	

f) The Representatives M/s Cenlub Systems, Faridabaad left Power House Site on 06/04/2018 in the evening.

NEEPCO Ltd.

Junior Technical Officer (M)
कनिष्ठ तकनिकी सिपाय (यां
पी०एच०(एस०एवं०(पेडेनेस)PH & SYM)
नेहनीपको लिमिटेड NEEPCO LTD

M/s Cenlub Systems, Faridabaad

6/4/18

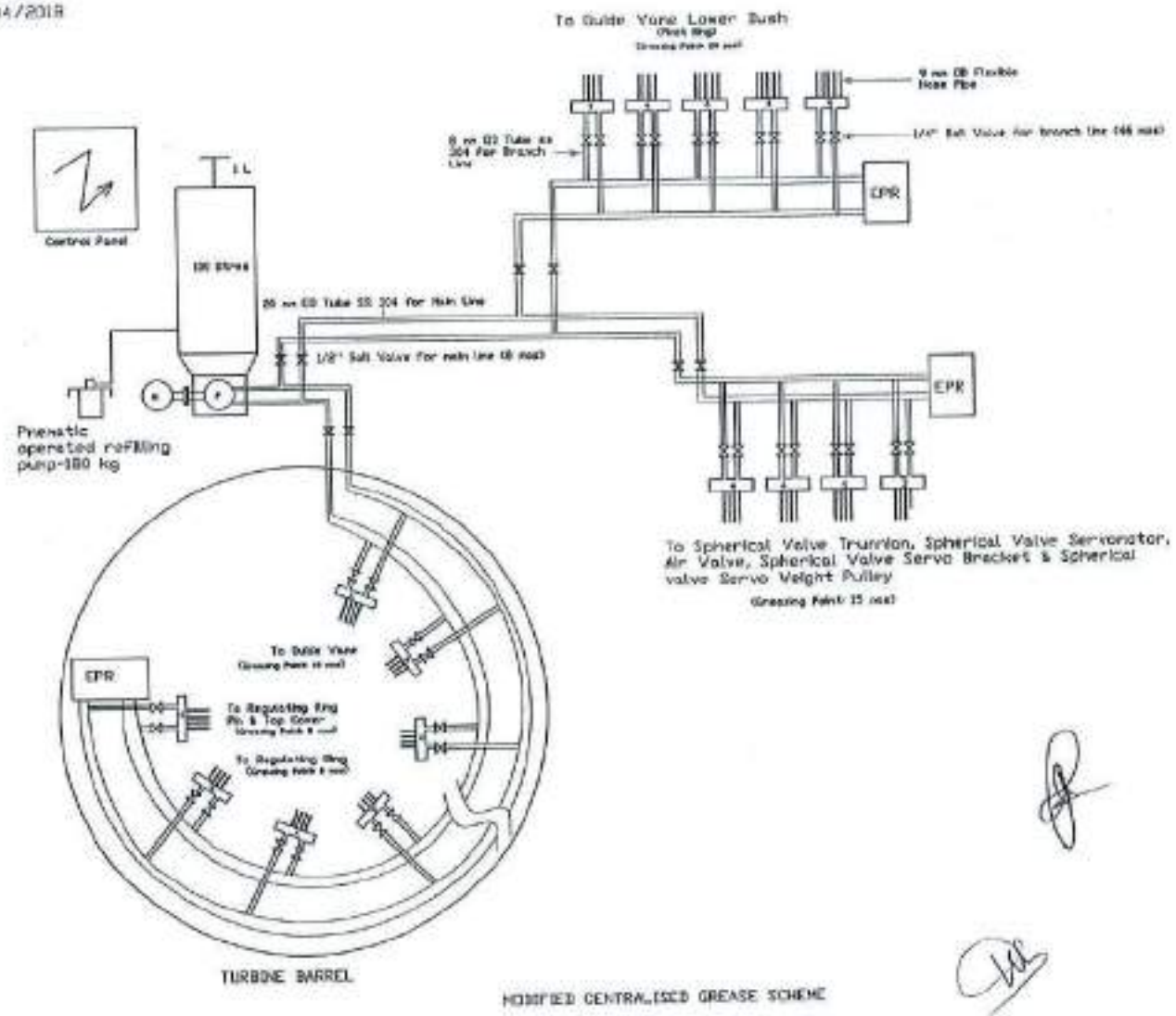
Annexure A
(Deviation list)

Ref PO No. NEEPCO/RHEP/HOP/T-53/2018-19/40 Dtd. 04/04/2018

Sl. No.	PARTICULARS	Unit	Ordered Qnty	Actual required Qnty	Deviated Qnty (±)	Remarks
A	**SUPPLY PART**					
1	Non Return Valve for Dose Feeder Outlet 1/4" BSPXBmm OD	No	135	373	+238	
2	Grease Filter with 3/8" BSP Inlet Outlet Connection in SS 304	No	3	0	-3	
3	Main Line=SS304 Seamless Tube dia 20X2.0 mm THK	Mtr	750	750	0	
4	Feed Line=SS304 seamless Tube Dia 8X1 mm THK	Mtr	525	200	-325	
5	High Pressure Ball Valve 1/4" BSP (Considering Fitted on Feed Line in Between Main Line and Dose Feeder)	No	90	138	+48	
6	High Pressure Ball Valve 1/2" BSP (Fitted on Main Line)	No	30	30	0	
7	ST Conn 1/2" BSPX20MM (Fitted on Both Side of 1/2" Ball Valve on Main Line)	No	60	60	0	
8	Hose ID 1/4" R2XDIA 8S, 1.5 MTR LG (To be fit in between Dose Feeder Outlet Connection Branch Line and Bearing End Connection)	No	300	0	-300	
9	ST Conn 3/8" BSPX20MM (For DCV Outlet Connection)	No	30	18	-12	
10	Unequal Elbow Union Assembly 20SX8S MM (For Dose Feeder Inlet to Main Pipe Line)	No	30	30	0	
11	Unequal Straight Union Assembly 20SX8S MM (For Dose Feeder Inlet to Main Pipe Line)	No	30	30	0	
12	Equal TEE Union Assy 20S MMX20S MMX20S (Fitted in Between Main Line)	No	60	24	-36	
13	Unequal TEE Union Assy 20S MMX8S MMX20S MM (Fitted in Between Main Line and Feed line)	No	90	150	+60	
14	Elbow Union Assembly 20SMMX20S MM (Fitted in between Feed Line)	No	90	90	0	
15	ST Union Assembly 20S MMX20S MM (Fitted in between Main Line)	No	150	126	-24	
16	ST Union Assembly 8S MMX8S MM (Fitted in between Feed Line)	No	450	60	-390	
17	Swivel Connection 1/4" BSP X 8S MM (Fitted on Dose Feeder Outlet Connection and guide Vane End Connection)	No	150	0	-150	

18	ST Connection 1/4" BSP X 8S MM (Fitted on Dose Feeder Outlet Connection, guide Vane End Connection and Ball Valve both Side)	No	300	596	+296	
19	EL Connection 1/4" BSP X 8S MM (Fitted on Guide Vane End Connection)	No	150	120	-30	
20	ST Connection 3/8" BSP X 8S MM (Fitted on Dose Feeder Inlet Connection and Ball Valve Connection)	No	90	153	+63	
21	Plug 3/8" BSP with CU Washer (Fitted on Dose Feeder End connection)	No	90	144	+54	
22	Plug 1/4" BSP With CU Washer (Fitted on Dose Feeder outlet Connection if there is Combination)	No	90	9	-81	
23	Pipe Clamp 20X2 Way	No	210	0	-210	
24	Pipe Clamp 8X1 Way	No	450	250	-200	
25	High Pressure Dose Feeder Operating Pressure 35-400 Bar no of outlet-08, Discharge Range (in cycle)-0.2-2.4 cm3/Material-SS304	No	36	75	+39	
26	Dose feeder Fixing Plate Material SS304	No	36	75	+39	
27	Clamp PCS-20, 1 way	No	0	180	+180	
28	Hose 9 mm OD for feed line	Mtr	0	1365	+1365	
29	Hose Sleeve	No	0	600	+600	
30	Hose Bolt 8 mm OD	No	0	600	+600	
31	Hose clip assembly 9 mm, 1 way	No	0	240	+240	

Date: 04/04/2018



HOSEFED CENTRALISED GREASE SCHEME

Note: 1. Total No of Points-91 nos
2. All Lube points should have NRV
3. All lube point thread size-1/4" BSP (Female)
4. All dose feeder outlet should be in one directional
5. 4 outlet dose Feeder for Pivot Ring-5 nos
6. 4 outlet dose Feeder for Spherical Valve-4 nos
7. 4 outlet dose Feeder for Turbine Barrel-14 nos
8. Main line Ball valve size-1/2" BSP
9. Branch Line Ball valve size-1/4" BSP
10. Main Line size-20mm OD tube SS 304
11. Branch Line size-8 mm OD tube SS 304
12. Feed line size- 9 mm OD Polyhide Hosesuitable for 8 mm OD stand pipe
13. End Pressure Relay (EPR)-3 nos

1.3.7 Up-rating of plant is possible incidental to major renovation mainly through following changes in the main equipment :-

a) Replacement of runner with modified runner profile design and a higher specific speed version would also require new Guide vanes.
b) Replacement of stator winding from Class-B to Class-F insulation.

1.3.8 There is likely to be a marginal increase in the velocity levels with uprating of units, which may slightly aggravate the silt erosion. But considering the recent advancement in material technology and profile design techniques for silt laden flows besides remunerative gains of uprating, it is worthwhile going for a conscious step by step upgrading of the plant.

1.3.9 The uprating of silt prone power stations should be accompanied by conscious condition monitoring through modern instruments like Laser silt meter, photo-electric silt meter for silt measurement and video probes to inspect the extent of damage inside the generating unit without dismantling it.

1.3.10 All components of the plant may be selected in such a way that they meet the main objective or Renovation and Modernization. Following measures may be introduced during Renovation & Modernization of Power plant:

a) Introduction of Numerical Relays, SCADA, Digital Voltage Regulator, Digital Governor, etc. has changed the environment of operation and maintenance.
b) Digitalization of the signals using optical fibre and RTUs in place of hard wiring.
c) Change of servo valve based Governing System in Place of conventional one.
d) Introduction of self-lubricating nonmetallic bearings.

1.3.11 Provisions shall be made for the protection of power House against flooding as per CEA regulation.

1.3.12 Besides all corrective measures as stated above, some long term measures like afforestation, stabilization of hill slopes and soil conservation around the catchment would go a long way in protecting the hydro power stations from the unwanted silt.

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यजली, अरुणाचल प्रदेश /YAZALI, A.P-791119
हौज सिविल मेंटिनेंस विंग, हौज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP
ई-मेल /E-Mail ID:- homw2012@gmail.com दूरभाष/फो.- 03809-244204/244211

ISO9001, 14001
&
OHSAS 18001

File no: Sr. M(C)/HCMW/RHEP/T-6/2018-19/ 626 Dtd: 11/12/2018

To,

M/S Taba Tad
Hoj, Dist. Papum Pare,
Arunachal Pradesh.

Sub: ***Raising of tail pool walls for safety of power house & switchyard at dikrong power house hoz, RHEP, A.P.***

Dear Sir,

With reference to the above work for *"Raising of tail pool walls for safety of power house & switchyard at dikrong power house hoz, RHEP, A.P."* The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) is pleased to place this order on you for execution of the work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Scope of work:** As per specification of items of work as laid down in bill of quantities.
2) **Value of Work:** ₹ 33, 60,948.00(Rupees Thirty Three lakhs Sixty Thousand Nine Hundred and forty Eight only).
3) **Time of completion:** 90 (Ninety) days from the date of issue of work order.
4) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
5) **Taxes, Duties, Levies:** The rates are inclusive of all taxes (i.e 1 % B.Cess and 18% GST) and remain firm till the completion of work.
6) **Goods & Service Tax (GST):** The work order amount is inclusive of GST. The rate of GST considered is 18 %(eighteen percent). Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0**.
7) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due.to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
8) **Technical specification:** As per specification mentioned in the BOQ and as directed by the Engineer-in-charge.
9) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
10) **Defect Liability Period:** Defect liability period shall be of 12(Twelve) months from the date of completion of work .The contractor shall make good defects observed/pointed out during the defect liability period or completion of defect rectification work to the satisfaction of the Engineer-in-charge duly deducting any outstanding dues, if any, against the work.

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11) **Mode of payment:** 90 %(ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Paying Authority:** The Sr. Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.
13) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.
14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.
19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to start the work immediately and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Yours sincerely

Sr. Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: Sr. M(C)/HCMW/RHEP/T-6/2018-19/ 687-92 Dtd 11/12/2018

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference to his approval accorded vide HOP,RHEP, U.O no 2242 Dtd 27/11/2018
2) The DGM (C), RHEP, Yazali, A.P for favour of kind information please.
3) The Sr. Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of HOP is enclosed herewith.
4) The Manager (C), Vigilance, RHEP, Yazali, and A.P for information please.
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Sr. Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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B.O.Q

Name of work: Raising tail pool walls for safety of power house and switchyard at dikrong power house, RHEP, A.P.

NIT NO. 07/2018-19/HCMW dtd. 29/09/2018

Sl. No.	Item	Unit	Qntty	Rate	Amount
1	Demolishing RCC work including stacking of steel bars and disposal of un-serviceable material within 50 meters lead	CuM	34.950	1369.77	47873.46
2	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : a) Foundations and plinth	CuM	114.394	8503.26	972721.92
3	Random rubble masonry with hard stone in foundations and plinth in cement mortar 1 : 6 (1cement : 6 fine sand) including levelling up with cement concrete 1 : 6 : 12 (1 cement : 6coarse sand : 12 stone aggregate 20 mm nominal size) at plinth level.	CuM	198.875	4801.43	954884.39
4	Reinforcement of RCC work including bending, binding and placing in position complete. b) Tar/ TMT steel	Kg	2484.406	92.77	230478.34
5 (a)	Centring and shuttering including strutting, propping etc and removal of form work for :Foundation, footings, bases of columns etc. and mass concrete.	SqM	48.68	364.48	17742.89
5 (b)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	SqM	349.50	496.94	173680.53
6	Reinforced cement concrete in walls (any thickness) including attached pilasters, buttresses,plinth and string course, fillets etc from top of foundation up to floor two level including finishing and plastering the exposed surfaces with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface excluding cost of centring, shuttering and reinforcement in : a) M20 (1 cement : 1.5 corase sand : 3 stone aggregate 20 mm nominal size)	Cum	93.20	10338.70	963566.84
				Total	3360948.38
				Say ₹	33,60,948.00

(Rupees Thirty Three Lakhs Sixty Thousand Nine hundred and Forty Eight Only)

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
हेड क्वार्टर मेन्टेनेन्स डिविजन
Hq Arunachal Pradesh

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Govt. of India Enterprise)
Office of the Sr.Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taba Tad has completed the work," Raising of Tail Pool walls for safety of Power house and Switchyard at RHEP, A.P" wide work order no: Sr. M (C)/HCMW/RHEP/T-6/2018-19/686 DTD 11/12/2018, *in all respect as on 23/04/2019 within the stipuulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Sr. Manager (C), HCMW

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NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A GOVT. OF INDIA ENTERPRISE)

ISO 9001, 14001 & OHSAS 18001

OFFICE OF THE Sr. MANAGER (C)
HOZ. CIVIL MAINTENANCE WING: RHEP: YAYEE: A.P.

NO. DGM(C)/HCMW/RHEP/T-07/2019-20/ 937 DTD 22/3/19

To

The Deputy General Manager (F)
RHEP, Yazali,
Arunachal Pradesh

SUB: SUBMISSION OF WORK BILL

Ref: 1. Raising of tail pool walls for safety of power house & switchyard at dikrong power house, Hoz, RHEP, A.P.

2. Work order no: Sr. M(C)/HCMW/RHEP/T-6/2019-20/686 dtd 11/12/2018

Sir,

With reference to the above, enclosed please find herewith the First and Final Bill in favor of **M/S TABA TAD**, for the above-mentioned work under reference amounting to **Rs 50, 31, 188.00** along with the related papers and M.B for your needful please.

Enclosed: 1. Audit slip
2. Bill Form dully filled up
3. EPF statements for Dec-2018, Jan-2019, Feb-2019, Mar-2019 & Apr-2019.
4. GST Invoice.
5. M.B No. 10596 = 1 (One) nos.
6. Agreement Copy
7. Photocopy of Time Extension Approval
8. Photocopy of Deviation Approval

Yours faithfully

Dy. General Manager(c)
HCMW, RHEP, NEEPCO LTD.

Memo no: NO. DGM(C)/HCMW/RHEP/T-07/2019-20/ 936 DTD 22/3/19

Copy to: 1) M/S TABA TAD, for necessary information please.

Dy. General Manager(c)
HCMW, RHEP, NEEPCO LTD.

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Potin to DPH in phase manner (Phase-I) AND Eraction of new 33 kV self-supporting Tower line from Potin to DPH in phase manner (Phase-II)		Commission vide order dated 5.1.2016 in Petition No. 40/GT/ 2015, on projected estimate. However, on implementation, the actual expenditure incurred is Rs.51.65 lakh and the increase in the expenditure is attributed to multiple re-alignment of the 33 kV line, which was done additionally to facilitate construction of Trans-Arunachal Highway at different locations. The Respondent APDCL has submitted that the additional accrued cost should be realised from the authority for which the re-alignment expenses is necessitated. Therefore, this should be a deposit nature of work and may not be loaded in tariff.	of the asset/ work which was already allowed vide order dated 5.1.2016 in Petition No. 40/GT/ 2015, the same is **allowed**. It is noticed that Commission vide order dated 5.1.2016 in Petition No. 40/GT/2015 had allowed a total projected expenditure of Rs.20.00 lakh during 2014-19 (i.e Rs.10.00 lakh each during 2015-16 and 2016-17) and had also considered an amount of Rs.16.28 lakh as the de-capitalized value of the old asset (i.e. Rs.7.94 lakh in 2015-16 and Rs.8.34 lakh in 2016-17) with respect to the said work/ asset. As against the said expenditure allowed, the Petitioner has capitalised actual amount of Rs.51.65 lakh in 2018-19. The Petitioner has, however, not indicated the de-capitalized value of the old asset in this petition. Accordingly, the de-capitalized value of the old asset has been considered under 'Assumed Deletions'.
Raising of tail pool wall of Dikrong Power House, Hoz, RHEP	71.77	The expenditure was allowed by order dated 5.1.2016 in Petition No. 40/GT/2015 for Rs.100 lakh. The completion of the work for two sections amounting to Rs.71.77 lakh has been done, which was necessary to ensure the safe operation	As the additional capital expenditure claimed is in respect of the asset/ work which was already allowed vide order dated 5.1.2016 in Petition No. 40/GT/2015, the same is **allowed.**

		of the generating station. The Respondent APDCL has submitted that the Petitioner had deferred the work from 2017-18 to 2018-19 which may lead to extra expenditure, thereby increasing the tariff of the Project for reasons attributable to the Petitioner.	
Purchasing of new Distribution transformer (2 Nos) 11/.4 kV, 630 KVA	31.86	An expenditure of Rs.4.23 lakh was allowed by order dated 5.1.2016 in Petition No. 40/GT/2015, on estimated bases. However, on implementation, an actual expenditure of Rs.22.28 lakh was incurred. The Respondent APDCL has submitted that the Commission may examine and decide accordingly.	As the additional capital expenditure claimed is in respect of the asset/ work which was already allowed vide order dated 5.1.2016 in Petition No. 40/GT/2015, the same is **allowed.** It is noticed that the justification submitted by the Petitioner do not relate to the said asset/ work claimed. However, it is observed that the Petitioner in Petition No. 40/GT/2015 had claimed expenditure on this asset, on replacement basis and the Commission vide its order dated 5.1.2016 had allowed additional capitalisation of ₹30 lakh in 2018-19 and had considered an amount of Rs.7.00 lakh as the de-capitalized value of the old asset with respect to this asset/ work. As against the expenditure allowed, the Petitioner has capitalised an actual amount of Rs.31.86 lakh in 2018-19. The Petitioner has, however, not indicated de-capitalized value of

FIXED ASSET ACCOUNTING :: NEEPCO

FY 2019-2020
Annexure-12

Transaction No. : 409
Vendor Name : United Manufacturing Co,Haryan
PO No. : RHEP/SrM(E)/PH&SY(O&M)/T-60(M)
PO Date: 22/12/2018
Invoice No. : UMCO/2018-19/151
InvoiceDate : 05/03/2019
Challan No. : UMCO/118 dtd 05.03.2019
Authoriser : 004239
Authorise Date : 04/07/2019

ASSET ID	ASSET DESC	SERAIL NO	DATE OF RECEIPT	LOCATION	RATE	TAX	TOTAL
09002019212400010001	4 Wheeler,2WD Crew Cab,Model:T	MAT464212TSK17382/45PCR10	09/03/2019	Dikrong Power Station	566406.0	158593.69	724999.7
09002019212400010002	Vehicle Mounted Water Mist wit	MAT464212TSK17382/45PCR10	09/03/2019	Dikrong Power Station	1174362.0	211385.16	1385747.1

TXN SHEET NO	ASSET IDENTIFICATION CODE
409	09002019212400010001
	09002019212400010002

07/2019
MANAGER (E/M)
HOUSE STORE
LTD.

AR02A/2628

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/o The Sr. Manager (E), PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो ओ : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
अरुणाचल प्रदेश
Hoj: ARUNACHAL PRADESH -791119

Ph No. 03809-244346 (O)
Fax No. 03809-244343/222
e-mail: tanyatozi@rediffmail.co

ISO 9001: 14001, OHSAS 18001

839

NO. RHEP/SR.M(E)/PH&SY(O&M)/T-60(M)/2018 -19/ 3688 Date: 22/12/2018

To,

M/s United Manufacturing Co.
Plot No-191-192, Udyog Vihar
Delhi-Rohtak Road
Vill-Sankhol, Bahadurgarh-124507
Dist-Jhajjar, Haryana

Kind attention : Mr. Indrapreet Singh,Director Marketing

SUB: **ORDER FOR MANUFACTURING, SUPPLY, DELIVERY AT SITE, TESTING & COMMISSIONING OF WATER MIST FIRE TENDER FOR DIKRONG POWER HOUSE, RHEP.**

REF:
1. Our Letter No- RHEP/SR.M(E)/PH&SY(O&M)/T-60M)/18-19/1745 Dtd 18.08.2018
2. Offer No: UMC/NEEPCO/2018/31 Dtd 26/09/2018

Dear Sir (s),

The corporation is pleased to place this order for manufacturing, Supply, delivery at site, Testing & Commissioning of Water Mist fire Tender for Ranganadi H.E. Plant as per schedule of prices enclosed at Annexure-A, technical Specification in Annexure-B & Scope of Work, terms and conditions Indicated below.

SCOPE OF WORK: Scope of work under this contract shall include manufacturing, Supply, delivery at site, Testing & Commissioning of Water Mist fire Tender Unit on TATA xenon Vehicle complete with hose pipes, auxiliaries etc of capacity: 500 Ltrs water, 50 Ltrs Foam as per technical specification enclosed at Annexure-B to Dikrong Power House, Ranganadi HE Plant, NEEPCO Ltd, Arunachal Pradesh. The contractor shall supply the Fire Tender for the complete Testing & commissioning as indicated in Annexure-A. The contractor shall supply the Fire Tender and depute their representative at site for testing , commissioning & demonstration of Fire Tender. The T&P & man power available at site shall be provided by the corporation. However any special tools, instrument & technical person required for the job shall be arrange by the contractor.

The Testing & commissioning of Fire Tender shall be done at 3 x 135 MW Dikrong Power House, Ranganadi HE Plant, NEEPCO Ltd, Hoj, Papumpare Dist., Arunachal Pradesh. After receipt of materials at site, the contractor shall be informed for deputation of engineer at site. Your engineer shall report to the Manager (E), PH&SY(M) at Dikrong Power House and start the testing, commissioning & demonstration of fire Tender in consultation with him. All the necessary spares, tools, provided by the vehicle manufacturer shall be handed over to the consignee at the delivery at site.

Approval H/C

TERMS & CONDITIONS :

1. **PRICES:** Prices are FOR Project Site basis inclusive of GST as indicated in Annexure-A. The rates shall remain firm till completion of entire job.

2. **ORDER VALUE:** ₹ 20,54,106.00 (Rupees Twenty Lakh Fifty Four Thousand One Hundred Six only) as indicated in Annexure-A.

3. **GOOD & SERVICE TAX (GST):** GST shall be paid extra on the supply parts of material. The present rate of GST is 18%. Please provide your GST number in the bill.**Our GST No-12AAACN9991J4Z0**

Contd.....P/2

4. **PAYMENT TERMS :** (i) 90 % (ninety percent) payment shall be released after receipt of Fire Tender in full & good condition at site and successful commissioning at site.
(ii) Balance 10% (Ten percent) payment shall be made on submission of equivalent amount BG which shall be valid for one month more than the guarantee/warranty period.

You are requested to submit the following details along with your bill for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit)
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

5. **FREIGHT & INSURANCE**: The rates are at FOR project site basis hence no freight shall be paid extra. The material may please be dispatch through any reputed transporter or courier to address of consignee with intimation to this office.

Transit Insurance of the material is under the scope of supplier. The consignment shall be duly insured for transit before dispatch.

6. **PACKING & FORWARDING:** The supplier shall be responsible for securing and packing the materials taking special care for protruding/vulnerable parts as per prescribed standards, enforced to withstand the journey and ensuring safety of the equipment without any extra cost to the corporation and arrival at destination in good & original condition for contemplated use, so to avoid damage under normal condition of transport, handling and storage at site till the time of erection/use. The supplier shall be responsible for any loss or damage during transportation, handling and storage due to improper packing.

7. **DELIVERY:** The delivery of Water Mist Fire Tender shall be completed within 90 (ninety) Days from the date of issue of this order. However all efforts should be made to supply the fire tender in minimum possible time.

8. **COMMISSIONING OF FIRE TENDER** : The job for commissioning of Fire Tender should be completed within 1 week on intimation after the receipt of Fire Tender at site. However intimation from the site will be given well in advance to you after the receipt of Fire Tender at site

9. **DEMONSTRATION/TRAINING**: The supplier shall arrange complete impart operational & Maintenance Training of Fire Tender in free of cost by a qualified representative to our Site Engineers and Fire Fighting Team at Ranganadi Plant site for a period of one to two working days.

10. **ACOMMODATION** : Local Conveyance and accommodation for your representative shall be provided at our guest house free of cost . However fooding charges shall be to your account.

11. **TECHNICAL SPECIFICATION**: The Fire tender shall strictly conform to our specification/guaranteed technical particulars as indicated in Annexure-B and special care must be taken for satisfactory operation of the same.

12. **DRAWINGS / MANNUALS**: The supplier shall supply 02 (Two) sets of operation/instruction manual for Fire Appliances, 02 (Two) Sets of illustrated spare parts manual for Fire Tender appliances & 02 (Two) Sets of illustrated operation/instruction manual of TATA Xenon vehicle.

Contd.....P/3

13. **TESTING & INSPECTION:** The Fire tender shall under go all the required type / routine test as per the relevant IS code. The test shall be carried out to evaluate the performance of the equipment . The supplier shall give notice well in advance to the Corporation for inspection and witness the test . the fire tender shall be painted as per relevant standard. However, the Corporation reserves the right to waive this inspection.

    Neither the waival of the inspection nor acceptance after inspection by the purchaser shall in any way absolve the supplier from his responsibility towards satisfactory performance of the equipment. The Test Certificate, in triplicate, are to be forwarded to this office for approval. The supplier shall despatch the consignment only on approval of Test Certificates and on receipt of despatch clearance from the purchaser.

14. **TEST CERTIFICATE**: All the required tests as per relevant IS shall be conducted on all the associated equipments & water Mist Fire Tender and test certificate to be submitted to the consignee at the time of delivery.

15. **GUARANTEE / WARRANTY:** The material shall be guaranteed against any manufacturing, design, or any other defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier.

    Failure / Malfunctioning of the equipment during this period under normal use shall be remedied with necessary repair / replacement free of cost by the supplier. All incidental cost of such repair / replacement shall be to the supplier's account. If any defect be not remedied within a reasonable time, the purchaser may proceed to do the work at supplier's risk and expenses.

16. **PAYING AUTHORITY:** The Sr. Manager (Finance), RHEP, NEEPCO Ltd., Yazali, Dist. - Lower Subansiri, Arunachal Pradesh, Pin - 791 119.

17. **CONSIGNEE:** The Manager (El), PH Store , RHEP, Hoj (Yayee) , Papumpare Dist, Arunachal Pradesh.

18. **LIQUIDATED DAMAGE**: If the firm fail to supply the material within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

19. **FORCE MAJEURE** : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

20. **ARBITRATION:**

    Any dispute in respect of which:

    a) The decision, if any, of the Engineer-in-Charge has not become final

    b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

Contd.....P/4

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorized representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act. No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt & acceptance of this order for our record.

Yours faithfully,

(Tapya Taji)
Sr. Manager (E/M)
PH & SY (O&M)
RHEP, NEEPCO Ltd., Hoj.

MEMO NO.RHEP/SR.M (E)/PH&SY(O&M)/T-60(M)/2018 -19/ 3001-3006 Date: 22/12/2018

Copy to:-

1. The Head of Project, RHEP - for favour of kind information please. This has reference to his approval conveyed vide U.O. No. 2435 Dtd. 13.12.2018
2. The DGM (E/M), RHEP - for favour of kind information please. This has reference to his note conveyed vide U.O. No. 1240 Dtd. 14.12.2018
3. The Sr.Manager (Fin), RHEP - for information & necessary action please. A copy of approval of competent authority is enclosed here with for his ready reference please.
4. The Manager (E), PH store, RHEP, Hoz- for information & necessary action please.
5. The Manager (E), PH & SY (M), RHEP, Hoz - for information and necessary action please.
6. The Manager (C), vigilance wing, RHEP for information please.

Sr. Manager (E/M)
PH & SY (O&M) RHEP,

Annexure-A

Sl. No.	Description of Items	Qty	Rate(₹)	Amount (₹)
1	Manufacturing, Supply, Delivery at Site, Testing & Commissioning of Water Mist Fire Tender Unit on TATA Xenon Vehicle Complete with Hose Pipes, auxiliaries etc of capacity-500 Ltrs Water, 50 Ltrs Foam for Dikrong Power House, RHEP, NEEPCO LTD.	01Nos.	17,40,768.00	17,40,768.00
			Total ₹	17,40,768.00
			Add GST @ 18 in ₹	313338.24
			Total ₹	2054106.24
			Say Total ₹	20,54,106.00

(Rupees Twenty Lakh Fifty Four Thousand One Hundred Six only)

SR. MANAGER (E/M)
P.H & S.Y (C&M),RHEP,

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

North Eastern Electric Power Corporation Limited

भारत सरकार का उद्यम (A Govt. of India Enterprises)

ISO9001-2008, 14001-2004, OHSAS 18001-2007

संयंत्र प्रमुख का कार्यालय/ OFFICE OF THE HEAD OF PLANT

रंगानदी जल विद्युत संयंत्र :: RANGANADI HYDRO ELECTRIC PLANT
पो.ऑ. : रंगानदी प्रोजेक्ट :: P.O. : RANGANADI PROJECT
याजली, अरुणाचल प्रदेश :: YAZALI, ARUNACHAL PRADESH-791119

Tel. No. 03809-222206
FAX : 03809-222212
e-mail : contract.rhep@gmail.

No. NEEPCO/RHEP/HOP/T- 53 /17-18/ 2132 Dated the 21/12/2017.

To,

M/s Aradhana Agency
Purbi Complex,
A.T. Road, Guwahati
Assam-781 001

FY 2019-2020

Annexure-13

Kind attn : Mr. Ashok Agarwal, 0361-2739851 / 9435107289
E-mail : aradhanagroups@gmail.com

SUB:- **ORDER FOR DESIGN, ENGINEERING, MANUFACTURING, SUPPLY OF 145 KV SINGLE PHASE, CENTRE ROTATING, DOUBLE BREAK ISOLATOR AND 145 KV CURRENT TRANSFORMER FOR DIKRONG POWER HOUSE OF RANGANADI H.E. PLANT, NEEPCO, ARUNACHAL PRADESH**

Ref :-
1. NIT No. 23/2017 Dtd. 08.08.2017
2. Our Mail dtd. 22.09.2017
3. Your Mail dtd.10.10.2017
4. Our Mail dtd. 14.11.2017 & 17.11.2017
5. Your Mail dtd. 20.11.2017 & 06.12.2017

Dear Sir(s),

With reference to above, the undersigned on behalf of the North Eastern Electric Power Corporation (herein after referred as "Purchaser") is pleased to place this supply order on you (herein after referred as "Supplier") for Supply of 145 KV, single phase, centre rotating, double break Isolator & 145 KV Current Transformer for Dikrong Power House of Ranganadi HE Plant, NEEPCO, Arunachal Pradesh as per schedule of prices enclosed at Annexure-A, Technical Specifications as Annexure-B and scope of work, Terms & Conditions detailed herein-under.

A. SCHEDULE OF PRICES :

The schedule of prices are enclosed at Annexure-A.

B. SCOPE OF WORK:

The scope of work under this contract shall include "Design, Engineering, Manufacturing, supply & delivery of 145 KV, single phase, centre rotating, double break Isolator & 145 KV Current Transformer for Dikrong Power House of Ranganadi HE Plant, NEEPCO, Arunachal Pradesh" as per enclosed Technical Specification at Annexure-B. The quality of material & specification of items shall strictly be as per relevant IS code & enclosed specifications. All the required tests as per relevant IS code & inspection to be carried out on the material shall be arranged by the supplier.

The supplier shall submit the constructional/GA drawings of Isolator & Current Transformer along with support structure & foundation details for approval from this end within 15 (fifteen) days from the date of issue of this order.

C. TERMS & CONDITIONS

1. **Prices:** The rates, Indicated at Annexure - A are as per 'FOR Ranganadi Site' basis which is inclusive of packing & forwarding charges but exclusive of applicable GST @ 18%. The prices shall remain FIRM till completion of this contract.

2. **Taxes:** GST @18% shall be applicable for this contract. However the applicable rate of GST at the time of dispatch of materials shall be paid. Our GSTIN No. **12AAACN9991J4Z0.** Please provide your GSTIN no. along with your invoice.

Contd.....P/2

3. **Transportation & Insurance Charges:** The rates are at FOR site basis hence transportation & Insurance charges shall have to be bear by you.

4. **Order Value: ₹ 14,36,532.00** (Rupees Fourteen Lacs Thirty Six Thousand Five Hundred Thirty Two) only inclusive of GST @18% at 'FOR site basis'.

5. **Payment terms:**

(a) Supply Part :

(i) 90% (Ninety percent) payment shall be made after receipt of materials in full & good condition at site and subsequent inspection & acceptance of the material by E-I-C and consignee.

Balance 10% (ten percent) shall be released after 18 months from the date of completion of supply or 12 months from the date of successful utilization of material whichever is earlier.

Or

(ii) 100% (hundred percent) payment shall be made after completion of the supply in full & good condition at site and subsequent inspection & acceptance of the material by E-I-C and consignee subject to submission of Bank Guarantee of 10% (ten percent) of the contract value. The Bank Guarantee shall be released after 18 months from the date of completion of supply or 12 months from the date successful utilization of material whichever is earlier.

(iii) No part payment/advance payment shall be entertained against this contract.

You are requested to submit your bill in triplicate with the following details to the consignee for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GSTIN certificate
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

6. **Engineer-In-Charge:**

Sr. Manager (E/M), PH&SY (O&M), Dikrong Power House, Hoj shall be the EIC for this contract.

On arrival of materials at site, the same shall be inspected jointly by the Consignee & E-I-C or his authorised representative to verify the materials as per order & specification. If E-I-C feels/demands the presence of supplier during inspection of material at site, the supplier shall depute himself or his authorised representative after getting such intimation by EIC/undersigned.

The Purchaser / his authorized representative shall with in 10(Ten) days from the date of inspection at site give notice in writing to the supplier, of any objection to any specification and workmanship which in his opinion is not accordance with the contract.

The supplier shall give due consideration to such objection and shall make the modification(s) to the satisfaction of the Purchaser / his authorized representative to meet the said objection with no extra cost to the Purchaser.

7. **Time of Completion:** The delivery period of the materials shall be as follows.

The materials must be delivered within 06 (six) months from the date of issue of this order.

(I) Submission of constructional drawings of Isolator & CT along with support structure & foundation details within 15 (fifteen) days from the date of issue of this order for approval from this end.

(II) Intimation of readiness of materials & Inspection/Testing call within 04 (four) months from the date of approval of drawings.

(III) Delivery of materials at site in full & good condition within 01 (one) month from the date of issue of Dispatch Clearance.

Contd.....P/3

8. Testing & Inspection:

The materials shall be inspected for general conformity by our Engineer – in – Charge or his authorized representative at your site /factory prior to dispatch against prior information. The supplier shall inform the readiness of the materials for inspection purposes as stipulated under clause no. 7 of the said order. The supplier shall give the Purchaser minimum 7(Seven) days written notice of the materials being ready for testing. Testing on the materials shall be done in presence of our authorized representative from a NABL accredited test house & Test Certificate shall be submitted along with the dispatch documents. Dispatch clearance of the materials at your works / factory shall be given by EIC/authorized representative of this Plant, after successful completion of the testing. Test conducted on the materials shall be in conformity with relevant IS code including latest amendments / revision if any for the materials of the order. Acceptance of the test report by the purchaser shall not relieve the supplier, in any way from the responsibility of the supplying the materials strictly in accordance with the relevant applicable Indian standards. In any case, the contractor shall remain fully responsible for satisfactory performance of the materials.

The supplier shall provide all the facilities for testing as required to accomplish as reasonably demanded by the purchaser or his authorized representative without any extra cost.

However, the Corporation reserves the right to waive the inspection & testing at your site/go down/factory. In case of such waival of inspection /testing at your site, the complete test report and drawings as per relevant IS shall have to be submitted to ordering authority for scrutiny & issue of despatch clearance. The delivery of the materials shall be done only after issue of despatch clearance from the undersigned.

Completion of tests at your site/go down/factory or waival of tests shall not absolve the supplier in any way from his responsibility towards satisfactory performance of materials as per technical specifications and terms & conditions of the order. Further on issue of certificate of acceptance, shall not bind the Purchaser to accept the materials if not confirms to required specifications.

9. Technical Specification:

The materials under this contract shall be strictly as per technical specification enclosed as Annexure-B.

10. Drawings :

The supplier shall submit the constructional/GA drawings of Isolator & Current Transformer along with support structure & foundation details for approval from this end within 15 (fifteen) days from the date of issue of this order.

11. Consignee :

The Manager (E/M), Power house Store, Ranganadi HE Plant, ,NEEPCO Ltd., Hoz, Papumpare Dist. Arunachal Pradesh. Contact No. 03809-244345.

12. Paying Authority

The Manager (Fin), F&A Wing , RHEP , NEEPCO Ltd, Yazali, P.O. Ranganadi Project, (791119), Dist. Lower Subansiri, Arunachal Pradesh.

13. Defect Liability:

The supply shall be subjected to a defect liability period of 18(eighteen) months from the date of completion of supply in all respect or 12 (twelve) months from the date of successful installation of material whichever is earlier. Any defect in the supply, detected after the completion of the supply within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment shall be made by the corporation.

The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer-In-Charge and decision of Engineer-In-Charge in this matter shall be final and binding.

On expiry of defect liability period, the Performance Bank Guarantee shall be released.

Contd.....P/4

14. Packing & Forwarding:-

The Supplier shall be responsible for securely protecting and packing the Materials as per prescribed standards, to withstand the journey and ensuring the safety of the materials and also arrival of materials at destination in good and original conditions for contemplated use so as to avoid damage under normal conditions of transport & storage.

Each bundle or package shall have the following marking on it:

a. Name and address of the consignee at site.
b. Destination place by road
c. Relevant marks, reference numbers etc., for easy identification.

15. Liquidated Damage:

If the firm fails to supply the materials within the stipulated time indicated in this order, then the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the supply or part thereof per week subject to maximum of 10% (ten) percent of the total value of the order. However, the purchaser reserves the right not to accept the delayed items and cancel the order depending upon the discretion of competent authority.

16. FORCE MAJEURE :

The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding

17. Arbitration:

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.
b) Amicable settlement has not been reached within the sixty days after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act,1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

All other terms & conditions which are not indicated here shall be governed as per Bid documents.

Please acknowledge the receipt & unconditional acceptance of this order for our record.

Enclosed: (i) Annexure- A (Price Schedule)
(ii) Annexure-B (Technical Specification)

Thanking you.

Yours faithfully,

(Dipankar Roy)
Sr. Manager (E/M), C&P
O/o the HOP, RHEP, NEEPCO
Yazali, Arunachal Pradesh

Schedule of Prices

Sl No	Particulars of items	Unit	Qnty	Rate in ₹	Amount in ₹
1	Design, Engineering, Manufacturing, Supply, Delivery at site of 145 KV, 1250A,Mechanically ganged operated, single phase, centre rotating, double break Isolator without earth switch, complete with mounting support structure etc. as per Technical specification enclosed as Annexure-B.	Set	02(two)	3,86,200.00	7,72,400.00
2	Design, Engineering, Manufacturing, Supply, Delivery at site of 145 KV , two core, Current Transformer, CT ratio: 200/1, Class-PS complete with mounting support structure, accessories etc.	Set	02(two)	2,22,500.00	4,45,000.00
				Total Amount	**12,17,400.00**
				Add GST @ 18%	**2,19,132.00**
				Gross Amount ₹	**14,36,532.00**
	(Rupees Fourteen Lacs Thirty Six Thousand Five Hundred Thirty Two) only				

Sr. Manager (E/M), C&P
O/o the HOP, RHEP, NEEPCO
Yazali, Arunachal Pradesh

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

NO. RHEP/SR.M (E)/PH&SY(O&M)/T-41(M)/18-19/ 56 / 4 Date : 1/ 01/ 2019

To,

M/s GE T&D INDIA LTD
(Formerly known as Alstom T&D India Ltd)
DLF IT Park, Premises No. 08
Major Arterial Road,
Block AF Tower C, 8th Floor
New Town, Rajarhat, Kolkata 56

Kind Attn : Mr. Angsu Mukherjee, Mgr-Services

SUB :- **ORDER FOR INSTALLATION,TESTING & COMMISSIOING OF STANDALONE DR & EL FOR ALL GE MAKE MICOM NUMERICAL RELAYS OF DIKRONG POWER STATION, RANGANDI H.E.PLANT,NEEPCO LTD.**

Ref: -
1. Offer No. PCP/ER/EL-DR/AM/NEEPCO/RHEP/100982/2018 dtd.19/12/2018.
2. LOI No- RHEP/SR.M (E)/PH&SY(O&M)/T-41(M)/18-19/3076 Dtd.31/12/2018.
3. Your acceptance of LOI vide Email Dated 02/01/2019

Dear Sir(s),

In confirmation to our LOI No- RHEP/SR.M(E/M)/PH&SY(O&M)/T-41/18-19/3076 Dtd.31/12/2018 the Corporation is pleased to place this detailed order for installation, testing & commissioning of Standalone Disturbance Recorder (DR) & Event Logger (EL) for all GE Make Micom Numerical relays of Dikrong Power House, Ranganadi H.E. Plant, NEEPCO Ltd, Arunachal Pradesh as per specifications , prices, quantity enclosed in Annexure-A, Technical specification indicated in Annexure-B and terms & conditions, Scope of Supply given below.

TERMS & CONDITIONS

1. **SCOPE OF WORK :**

A. Supply Part: Scope of work under supply part shall include Supply of Event Logger and its accessories as mentioned below:

Sl No	Description	Quantity
1	Standalone Event Logger compatible to IEC-61850 suitable for 400 Events. Per set Comprises of 2XC264 in 80 TE case suitable for 400 Events (4U,19" Rack, 110V dc Base Rack, with plain front face, function keys, indicators, Power Supply, CPU with access to legacy link Rs485 towards substation level.	1 Set
2	Engineering Standalone Disturbance Recorder Workstation of Intel Pentium D, Core 2 Duo CPU @ 2.4GHz, 2GB DDR, 17" TFT monitor, Windows XP professional + Software CMT for Engineering Workstation +132 Column Dot Matrix Printer+Inverter 1KVA (Alan Make)+Along with 1X Unmanaged D link switch and necessary CAT 5 Cable.	1 Set
3	GT Differential Micom P-642 for Unit-III	1 No
4	IEC 61850 Communication Card for Relay up gradation	13 Nos
5	Ethernet Switch	4 Nos
6	FO Patch Cord for communicating relay and Ethernet Switch	22 Nos
7	RJ45 Cable for Communicating PC & Ethernet Switch	100 Meters
8	Industrial grade PC with HMI	1 No

Contd...P/2

B. Service Part: Scope of work under service shall include the following

(1) Hardware Up gradation of 11 Nos Existing old numerical relays to IEC 61850 communication Protocol for integration.

(2) Firmware up gradation of 11 Nos Old numerical relays.

(3) Installation of Ethernet switch for communication of all numerical relays with DR Computer via RJ45 Cable.

(4) Installation of C264 for Event logger

(5) Communication of all existing numerical relays with C264 via FO cable

(6) Agile S1 Software installation and configuration in DR and EL Computer.

(7) Testing & commissioning of C264

(8) Testing & communication of all relays with DR computer.

(9) Testing & communication of all relays with C264 and EL computer

(10) Providing training on DR & EL offered for this project during commissioning.

(11) Supply of Required Wiring materials and Blanking Plates for Mounting and wiring of C264 during site activities.

Following works are not included in this scope of work:

1. Supply and Termination of Cables outside to the protection panels.

2. **TECHNICAL SPECIFICATION**: Technical specification shall be as per Annexure B.

3. **PRICES:** The prices are FOR Ex. Chennai basis inclusive of GST. The rates shall remain firm till completion of entire job.

4. **ORDER VALUE:** ₹ 41,99,620.00 (Rupees Forty One Lakh Ninety Nine Thousand Six hundred Twenty only) inclusive of GST as indicated in Annexure-A.

5. **FREIGHT & INSURANCE:** The material may please be dispatch through any reputed transporter or courier to the address of consignee up to North Lakhimpur, Assam 787 001 or Naharlagun, AP-791110 on freight to pay basis or paid basis. The freight charges shall be reimbursed at actual on submission of documentary evidence along with your bill.

   Transit Insurance of materials shall be covered under our open marine policy No. 530104211502000000002 (Marine Cargo) of New India Assurance Co. Ltd., North Lakhimpur (Assam), Email ID-nia.530104@newindia.co.in. Please intimate the above under writer the details of dispatch with a copy to this office.

5. **GOOD & SERVICE TAX (GST):**
   (a) Supply Part: GST shall be paid extra on the supply parts at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill.
   (b) Service Part: GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill.
   Our GSTIN No-12AAACN9991J4Z0.

6. **PAYMENT** :
   1. SUPPLY PART: (i) 90 % (ninety percent) payment shall be released after receipt of materials in full & good condition at site.
      (ii) Balance 10% (ten percent) payment shall be made on submission of equivalent amount BG which shall be valid for one month more than the guarantee/warranty period
   2. SERVICE PART: 100% (hundred percent) payment against services shall be released after successful testing & commissioning of the scheme & full satisfaction of engineer in-charge.

Contd...P/3

CP-6

You are requested to submit the following details along with your bill for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit)
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

7. **DELIVERY:** Delivery of material shall be completed within 3 (Three) weeks from the date of issue of this order. All efforts should be made to deliver the materials as early as possible. However erection and commissioning shall as per clause 8 of this order.

8. **TIME OF COMPLETION OF WORK:** The installation, Testing & Commissioning of Standalone Disturbance Recorder (DR) & Event Logger (EL) for all GE Make Micom Numerical relays has to be completed in all respect by 31st January/2019 in order to achieve the MOU target set by MOP.

9. **ACCOMMODATION** : Local Conveyance and accommodation for your engineers shall be provided at our guest house free of cost . However, fooding charges shall be to your account.

10. **DRAWINGS / MANNUALS:** The supplier shall supply 06 (six) sets of operation & maintenance manuals of the supplied Event Logger. Complete schematic & wiring drawings of EL & DR including engineering drawings of the adopted scheme is to be submitted in 06 (six) sets.

11. **GUARANTEE/WARRANTEE:** The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/ replacement free of cost by the supplier. All incidental cost of such repair/ replacement shall be to the supplier's account. If any defect be not remedied/replaced within a reasonable time the purchaser may proceed that material at supplier's risk and expenses

12. **CONSIGNEE: Supply Part:** The Manager (E/M), PH Store , RHEP, Hoj (Yayee) , Papumpare Dist, Arunachal Pradesh.

Service Part: The Manager (E/M), PH & SY (M), RHEP, Hoj (Yayee) , Papumpare Dist, Arunachal Pradesh.

13. **PAYING AUTHORITY:** Sr. Manager (Fin), F&A Wing, RHEP, NEEPCO Ltd, Yazali , Arunachal Pradesh.

14. **FORCE MAJEURE** : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

Contd. P/4

15. **LIQUIDATED DAMAGE**: If the firm fail to supply the material & execute the retrofitting work within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the supply & work or part thereof per week subject to maximum of five 5% (five percent) of the total value of the order.

16 **ARBITRATION** : Any dispute in respect of which :

a. The decision, if any, of the Engineer-in-Charge has not become final.

b. Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act. No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt & acceptance of this order for our record.

Thanking you.

Yours faithfully,

(Tanya Taji)
Sr. Manager (E/M)
PH & SY (O&M)
RHEP, NEEPCO Ltd., Hoj

CP 1

Annexure-A

A. Supply Part

Sl No	Description of the item	Unit	Quantity Required	Rate in ₹	Total Amount in ₹
1	Event Logger compatible to IEC 61850 suitable for 400 Events. Per set comprises of 2X 2U x 16 TE case suitable for 400 Events (3U 19" Rack, 110V dc Base Rack, with glass front face, function keys, indication, Power Supply, CPU with access to legacy link Relays towards substation level	Set	1	900000.00	900000.00
2	Engineering Disturbance Recorder Workstation of Intel Pentium D, Core 2 Duo Cpu @ 2.4Ghz, 2GB DDR, 17" TFT monitor, Windows XP professional + Software CD for Engineering Workstation + 132 Column Dot Matrix Printer + Inverter 1KVA (Any Make) Along with 8X Unmanaged D link switch and necessary CAT 5 Cable.	Set	1	225000.00	225000.00
3	Relay upgradation	Nos.	13	50000.00	650000.00
4	New relay for GT Differential of Unit III, Micom P-642	Nos.	1	250000.00	250000.00
5	Ethernet Switch	Nos.	4	150000.00	600000.00
6	FO Patch Cord	Nos.	22	2000.00	44000.00
7	RJ45 cable	Meter	100	50.00	5000.00
8	PC	Nos.	1	225000.00	225000.00
				Total in ₹	2899000.00
				Add GST @ 18% in ₹	521820.00
				Total in ₹	3420820.00

B. Service Part

Sl No	Description of the item	Unit	Quantity Required	Rate in ₹	Total Amount in ₹
1	Installation	Lot	1	300000.00	300000.00
2	Configeration and Commissioning	Lot	1	400000.00	400000.00
				Total in ₹	700000.00
				Discount ₹ 40,000.00 in Item Sl No-2	40000.00
				Total in ₹	660000.00
				Add GST @ 18% in ₹	118800.00
				Total in ₹	778800.00
				Grand Total (A+B) in ₹	4199620.00
	(Rupees Forty One Lakh Ninety Nine Thousand Six hundred Twenty only				

Sr. Manager (E/M)
PH & SY (O&M), RHEP

COMPLETION CERTIFICATE

Certified that the work "Construction of Check Dam at Abdullah Nallah,200m above the Intake Bridge,41km, Yazali, A.P" has been completed on dated 09.03.2020 by the Contractor, M/S Bida Enterprise, as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM(C)/201/2019-20/ 571 Dated 03/02/2020

DGM(C), HS(M).

A.M(C), HS(M).

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/9-20/ **571** Dated **03.02.2020**

To,

M/s Bida Enterprise
Vill:- Potin,
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for " Construction of Check Dam at Abdullah Nallah, 200 M above the Intake Bridge, 41 Km, RHEP,Yazali,A.P.

Ref: This office NIT no. RHEP/GM/18/2019-20 dtd. 03.12.2019

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of " **Construction of Check Dam at Abdullah Nallah 200 m above the Intake Bridge, 41 Km, RHEP,Yazali,A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Check Dam at Abdullah Nallah, 200 m above the Intake Bridge, 41 Km, Yazali,A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:** - 21,09,032.00 (Rupees twenty one lacs nine thousand thirty two) only which is inclusive of all applicable taxes.
3. **Time of completion:** - **45** (forty five) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be

T-1

made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Deputy General Manager(C), HSM NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Deputy General Manager(C), HSM, RHEP, NEEPCO**, 43km, RHEP and to attend this office within 6 **(six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/20119-20/ 572-75 Dated 03.02.2020

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 30.01.2020
2. The Deputy General Manager(C), HSM, RHEP, Yazali for information and necessary action please.
3. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 889 Dtd. 21.01.2020
4. The Sr.Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

HSM

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Name of the work: : Construction of Check Dam at Abdullah Nallah, 200m above the Intake Steel Bridgte ,RHEP,Yazali,A.P.

Annexure-I

Sl. No	Item	Unit	Qntty	Rate in ₹.	Amount in ₹.
1	Excavation for structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out,construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling the excavation earth to athe extent required and utilizing the ramining earth locally for road work)	Cum	127.260	409.00	52049.34
	1. Ordinary soil				
	A. Manual Means				
2	Gabion structure for retaining earth (Providing and construction of a gabain structure for retaing earth with segments of wire crates of Size 2m*1m* 0.3m each divided in to 1.0 m compartment by cross netting, made from 4 mm galvanised steel wire @ 32 Kg per 10 Sqm having minimum tensile strength of 300 Mpa conforming to IS :280 and galvanizing coating conforming to IS:4826, woven into mesh with double twist, mesh size not exceeding 100 x 100 mm , filled with boulders with least dimension of 200mm, all loose ends to be securely tied with 4mm galvanised steel wire)	Cum	316.800	6493.00	2056982.40

Total in ₹. = 2109031.74

Say ₹. 2109032.00

(Rupees twetny one lacs nine thousand thirty two) only

General Manager(C)
RHEP,NEEPCO Ltd,Yazali,a.P.

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उपक्रम) (A Govt. of India Enterprise)

O/O THE DGM (E/M) : PH&SY(O&M)

रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT

पो० ऑ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT

होज: अरुणाचल प्रदेश

HOJ: ARUNACHAL PRADESH -791119

Ph No. 03809-244346 (O)
Fax No. 03809-244222
E-mail: tanvataxi@rediffmail.co

ISO 9001, 14001, & 45001

985

NO. RHEP/DGM (E/M)/PH&SY(O&M)/T-58(M)/19-20/ 2668 Date : 21/10/2019

To,

M/s Assam Electricals
Laipuli, P.O. Panitola
Dist.: Tinsukia , Assam – 786 183

Kind Attn : Mr. Virendra Singh

SUB : **ORDER FOR SUPPLY, RETROFITTING, TESTING & COMISSIONING OF SCHNEIDER MAKE AIR CIRCUIT BREAKER IN PLACE OF EXISTING ENGLISH ELECTRIC MAKE AIR CIRCUIT BREAKER OF RANGANADI H.E. PLANT.**

Ref : 1. Our Letter No- RHEP/Sr.M(E/M)/PH&SY(M)/T-58(M)/19-20/1335 Dtd 23.07.2019
2. Offer No. AET&SR 1906/NEEPCO-RHEP/190167 Dtd. 29.07.2019

Dear Sir(s),

The corporation is pleased to place this order for supply, retrofitting, testing & commissioning of Schneider Make Air Circuit Breaker in place of Existing English Electric Make Air Circuit Breaker of Ranganadi HE Plant as per schedule of rates & quantity indicated in Annexure-A, Technical specification indicated in Annexure-B, scope of work, , terms and conditions indicated below.

TERMS & CONDITIONS

1. **SCOPE OF WORK :**

A. Supply Part: Scope of work under supply part shall include Supply of Schneider Make Air Circuit Breaker as mentioned below:

Sl. No	Description	Quantity
1	4000 Amps, 4 Pole, 50kA, Electrically operated Draw out Air Circuit Breaker with Over current, Short Circuit and earth Fault Protection Release. Make-Schneider, Type-VMS with ET6V Trip Unit with LCD Display	3 Nos
2	1000 Amps, 3 Pole, 50kA, Electrically operated Draw out Air Circuit Breaker with Over current, Short Circuit and earth Fault Protection Release. Make-Schneider, Type-VMS with ET6V Trip Unit with LCD Display	2 Nos

Approved File

B. Service Part: Scope of work under servicing shall include the following

(i) Disconnection of the Bus Bar connections from Exiting Air Break Circuit Breaker.
(ii) Removal of existing M-Pact Air-circuit breaker along with its cassette.
(iii) Mounting and installation of new Schneider ACB inside the existing panel cubicle.
(iv) The rear copper inter connections shall be done to match with existing bus-bars.
(v) Re- wiring with the new ACB for all electrical functions.
(vi) Assembling of New door for ACB.
(vii) Final alignment and tightness checking of installed ACB and its accessories.
(viii) Testing & Commissioning of Schneider make Air Circuit Breaker.
(ix) Providing training on operation and maintenance of Schneider make ACB during commissioning.
(x) Supply of Required Wiring materials and Blanking Plates for Mounting and wiring of new Schneider make ACB during site activities.
(X) Any other work which is not mentioned above but required to complete the work shall also be done.

Following works are not included in this scope of work:
(i) Supply and Termination of Cables outside to the SSB panels.

Contd. P/2

ISO 9001:2015
ISO 14001:2004 BS OHSAS 18001:2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Govt. of India Enterprise)
Office of the Sr. Manager (E)
Power House & Switchyard (O&M), RHEP, Yayee, A.P.
Office: Tel: 03809 244245
E-mail: phnsym@gmail.com

COMPLETION CERTIFICATE

It is to certify that the Firm Name M/s Assam Electricals, Tinsukia has completed the Retrofitting,Testing & Commissioning work of Schneider Make Air Circuit Breaker in Place of Existing English Make Air Circuit Breaker of Station Service Board of Ranganadi Hydro Electric Plant in all aspect, vide work Order No. RHEP/DGM (EL)/PH&SY (O&M)/T-58(M)/ 19-20/2668 Dtd 21/10/2019 on 17/01/2021.As per Clause No. 10 of the order,Shutdown of 33 kV Incomer-II was availed w.e.f 15/01/2021 to 16/01/2021.On 17/01/2021,Final commissioning of Air Circuit Breaker was done successfully.

प्रबंधक (वि०या०) Manager (E/M)
पी०एच ०एन्ड एस० वाई ०(ओ०एं०) PH & SY(M)
रेप/नीपको लिमिटेड RHEP NEEPCO LTD.
होज अरुणाचल प्रदेश /HOJI A.P.

(Punyo Sai)
Junior Engineer (E/M)
Dikrong Power House, Hoz
RHEP, NEEPCO Ltd.

उप-महा प्रबंधक (वि/या)
पी. एच. एंड एस
Dy. General Manager (EM), PH & SY (O&M)
रेप/ नीपको लिमिटेड
RHEP, NEEPCO Ltd., A.P.

ISO 9001, 14001
OHSAS 45001

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Govt. of India Enterprise)

Office of the Manager (E/M)
Power House & Switchyard (M), RHEP, Yayee, A.P.
Office: Tel: 03809 244345/244219
E-mail: phnsym@gmail.com

COMPLETION CERTIFICATE

It is to certify that M/s P.E.S. Engineers Pvt. Ltd. has successfully completed the Capital Maintenance of Unit # III Turbine and other associated work in water conductor system of Dikrong Power House, Ranganadi H.E. Plant, NEEPCO Ltd. Against the Work Order No. RHEP/DGM(E)/PH&SY(O&M)/T-25(M)/19-20/2728 Dtd. 25/11/2019 on 20/03/2020.

(KULDIP KUMAR)
Deputy Manager(E/M)
Dikrong Power House, Hoz
RHEP, NEEPCO Ltd.

प्रबंधक (वि०या०) Manager (E/M)
पी०एच ०एन्ड एस० वाई ०(मेंटेनेन्स) PH & SY(M)
रेप/नीपको लिमिटेड RHEP/NEEPCO LTD.
हौज अरुणाचल प्रदेश /HOJ/A.P.

पी०एच ०एन्ड एस० वाई ०(मेंटेनेन्स) PH & SY(M)
रेप/नीपको लिमिटेड RHEP/NEEPCO LTD.
हौज अरुणाचल प्रदेश / HOJ/A.P

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उपक्रम) (A Govt. of India Enterprise)
O/O THE DGM (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ओ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791119

Ph No. 03809-244346 (O)
Fax No. 03809-244222
E-mail: tanvataziz@rediffmail.co

ISO 9001, 14001, & 45001

T-25

NO. RHEP/DGM (E)/PH&SY(O&M)/T-25(M)/19-20/ 2728 Date : 25/11/2019

To,

M/s P.E.S. Engineers Private Limited,
Camp: Ranganadi Project Site,
Hoz, Arunachal Pradesh.

SUB :- ORDER FOR CAPITAL MAINTENANCE OF UNIT-3 TURBINE AND OTHER ASSOCIATED WORK IN WATER CONDUCTOR SYSTEM OF DIKRONG POWER HOUSE.

Ref: (1) WO No. RHEP/SR.M(E/M)/PH&SY(O&M)/T-25/18-19/3976 Dtd. 22.02.19
(2) Offer No. PESPL/115-1/2019/762 Dtd. 29/08/2019

Dear Sir(s),

The Corporation is pleased to place this order for capital maintenance of Unit-3 Turbine and other associated work in Water Conductor System of Dikrong Power House as per rates enclosed in Annexure-A, scope of work and terms & conditions indicated below.

SCOPE OF WORK :
The capital maintenance of Unit-3 Turbine and other associated work in Water Conductor System of Dikrong Power House shall be executed in consultation with Engineer In-charge or his representative. The contractor shall strictly follow the instruction & guidelines stipulated as per the OEM.

Scope of work under this contract shall include the following activities:

Scope of Work:

A. Turbine Activity:

- Lowering of DT Gate, Removal of Draft tube cone and placing of Bulk Head,
- Dismantling and replacement of existing Pipe viz Ejector line, Pressure Balancing Pipe, Service Seal Pressure Line, TGB Cooler Pipe Line, all pressure gauge Pipe Line.
- Lowering GV Lower Bush, Lowering Pivot ring, Dismantling of GV upper and middle Bush, Lowering of Guide Vane.
- Dismantling of GV Servomotor Linkage Mechanism. Removal Shaft seal, checking of Stud-bolt, Pipe Line modification of Shaft seal.
- Dismantling of TGB Housing.
- Replacement of PTFE Bushes, Lead Cushion, Servomotor Cupseal, TGB Cooler Valves, Oil retaining seal O-ring.
- Modification of OPU Pipe lines, ejector pipe lines etc.
- Washing, Cleaning and Testing of all modified and new pipe lines.
- Replacement of Pressure Gauge of Water line before and after labyrinth.
- Replacement of Interconnecting valves, HMC valves, Pressure balancing Pipe line valves etc.
- Servicing of all above dismantled components and sequentially arranged.
- Bearing Setting, Rotor Dynamic Leveling checking and correction, Alignment correction and setting, Centering of Shaft.
- Dry run and synchronization

Any Other work which is not included in scope of work but required for execution of work are deemed to be considered.

Contd P-2

The scope of Work under NEEPCO are.
(1) Construction Power Supply.
(2) EOT crane.
(3) Mobile Crane.
(4) Tata Truck.
(5) Torque Wrench and other tools & Tackles. However any special tools require during the execution of work shall be arranged by the contractor.
(6) Consumables.
(7) Pump-Motor of different capacity as and when require.
(8) Illumination Fitting and Fixing along with cables.
(9) Different Sizes Slings.

TERMS AND CONDITIONS

1. The contract value is ₹ 72,42,840.00 (Rupees Seventy Two Lakh Forty Two thousand Eight Hundred Forty) Only inclusive of GST & shall remain firm till completion of entire job.

2. Good & Service Tax (GST): GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill. **Our GSTIN No-12AAACN9991J4Z0.**

3. **Defect Liability:** any defect during execution of work due to poor workman ship shall have to be remade/ rectify by you without any extra cost to corporation.

4. **Payment Term:** (a) 90%(Ninety percent) payment shall be made progressively after successful completion of job as defined in the Annexure-A and on full satisfaction of Engineer In Charge.

   (b) Balance 10% (Ten percent) payment shall be made after 6 (Six) Months from the date of synchronization of unit or submission of BG of Equivalent amount.

   You are also requested to submit either the following details along with your Bill / Invoice or your invoice should contain following details for e-payment:
   i) Name & complete address of your firm as per bank record.
   ii) Complete address of the Bank with Branch details.
   iii) Type of Bank Account (Saving/Current/Cash Credit)
   iv) Bank Account Number (Indicating Core Banking Account Number), if any.
   v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
   vi) Permanent Account Number (PAN) under Income Tax.
   vii) GST Number (for supply of Goods and services) as applicable.
   viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment)

5. **Time of completion:** The Capital maintenance of Unit-3 Turbine and other associated work in Water Conductor System shall be carried out during the Annual Planned Maintenance work of Unit-3. The work shall be completed within 45 (Forty Five) days from the date of handling over the site to you.

6. Any statutory rules & regulations as per labour law shall be applicable.

7. **Paying Authority :** The DGM (Fin), Finance & Accounts Wing , RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

8. **Consignee :** The Manager (E), PH&SY(M), Dikrong Power House, Hoz . The work shall be executed in consultation with consignee.

9. **Liquidated Damage:** If the firm fail to execute the work within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

Contd P-3

10. **Force Majeure** : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

11. **Arbitration :** Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act,1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt and acceptance of this order

Thanking you.

Yours faithfully,

25/11/19

(Tanya Taj)
DGM (E/M)
PH & S.Y (O&M)
RHEP, NEEPCO LTD., Hoj.

MEMO NO. RHEP/DGM(E)/PH&SY(O&M)/T-25(M)/19-20/ 2729-2735 Date : 25/11/2019

Copy to :-

1. The Executive Director (O&M),NEEPCO Ltd., Shillong for favour of kind information please. This has a ref. to his approval conveyed vide U.O.No. 697, dtd. 07.11.19.
2. The Head of Project, RHEP – for favour of kind information please. This has reference to his approval conveyed vide U.O. No.2009, dtd. 11.11.19
3. The G.M.(E/M), RHEP – for favour of kind information please.
4. The DGM (Finance), RHEP – for information & necessary action please. A copy of approval of competent authority is enclosed here with for his ready reference please.
5. The Sr. Manager (C), Vigilance Wing, RHEP for information please.
6. The Manager (E/M), PH Store, Hoj, RHEP, AP for information & necessary action please.
7. The Manager (E), PH&SY(M), Hoj – for information & necessary action.

25/11/19

DGM (E)/PH&SY(O&M)

Annexure-A

Turbine Activity for One Unit		No of Unit	Per Unit Rate in ₹	Total Amount in ₹
1	Lowering of DT Gate, Removal of draft tube cone and placing bulk head.	1	99000	99000
2	Dismantling and replacement of existing pipe line viz. Ejector pipe line, Pressure Balancing pipe line, service seal pressure pipe line, TGB cooler pipe line, all pressure gauge pipe line.	1	346500	346500
3	Lowering of GV lower Bush, lowering of pivot ring, dismantling of GV upper bush, Middle Bush and lowering of guide vane.	1	1386000	1386000
4	Dismantling of guide vane Servomotor linkage Mechanism. removal of shaft seal, checking of stud bolts, pipe line modification of shaft seal.	1	752400	752400
5	Dismantling of Turbine guide bearing housing.	1	445500	445500
6	Replacement of PTFE Bushes, Lead Cushion, servomotor Cupseal, TGB cooler Valves, Oil retaining seal O- ring.	1	693000	693000
7	Modification of OPU pipe lines, Ejector pipe line etc.	1	772200	772200
8	Washing, Cleaning and testing of all modified & new pipe line.	1	297000	297000
9	Replacement of pressure gauge of water pipe line before and after of labyrinth.	1	133650	133650
10	Replacement of interconnecting valves, HMC valves, pressure balancing pipe line valves etc.	1	544500	544500
11	Servicing of all above dismantled components and sequentially arranged.	1	569250	569250
12	Bearing setting, Rotor dynamic levelling checking and correction, Allignment correction and setting, centering of shaft.	1	0	0
13	Dry run and synchronization.	1	0	0
14	Any Other work which is not included in the scope of work but required for execution of work may also be consider (Removal and support jack (02 Nos)110 tons and dismantling and finally re assembly of dome light ,stud shaft etc .)	1	99000	99000
			Total in ₹	6138000.00
			GST @18% in ₹	1104840.00
			Total in ₹	72,42,840.00

(Rupees Seventy Two Lakh Forty Two thousand Eight Hundred Forty Only)

23/11/17

DGM (E/M)/PH&SY(O&M)

NORTH EASTERN ELECTRIC POWER CORPORATION

(A GOVT. OF INDIA ENTERPRISE)

RANGANADI HYDRO ELECTRIC PLANT

OFFICE OF THE HEAD OF PLANT

POST OFFICE: RANGANADI PROJECT ::DIST. LOWER SUBANSIRI

ARUNACHAL PRADESH :: PIN-791119

No. NEEPCO/RHEP/HOP/T-34/2019-20/ 2586 **Dated:** 6/2/2020

WORK COMPLETION CERTIFICATE

This is to certify that M/s GMW Pvt. Ltd., 885, G.I.D.C. Industrial Estate Makarpura, Vadodara, Gujarat was awarded the following work and the same has been completed satisfactorily.

Name of work : Design, manufacture, supply, installation & commissioning of 1(one) No. of Hydraulically operated Trash Rack Cleaning Machine (TRCM) with associated supporting structures at the Intake of RHEP (3 x 135 MW), Yazali, A.P..

1. Work Oder No. : QP/CnP/F/E/TRCM-RHEP/2057/Vol-I/01 dated 02/04/2018
2. LOI No : QP/CnP/F/E/TRCM-RHEP/2057/Vol-I/1915 dated 28/03/2018
3. Contract Agreement No: NEEPCO/QP/C&P/F/E/TRCM-RHEP/2042057/01 dated 17/05/2018
4. Contract Value : Rs. 10,23,94,500/-
5. Completion Period (as per W.O) : 7-Months from Date of LOI
6. Date of commencement of work : 29/03/2018.
7. Actual work completion date : 05/02/2020.

06/02/2020

DGM(C)
HSM, RHEP, NEEPCO, YAZALI,
ARUNACHAL PRADESH

HEAD OF PLANT
RANGANADI HE PLANT
NEEPCO, YAZALI,
ARUNACHAL PRADESH

FY 2019-2020
Annexure-21

Domain : neepco.abcprocure.com

Parent department: North Eastern Electric Power Corporation Limited - NEEPCO

View PO/WO

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General Details

Company name	:	Elcome Technologies Pvt. Ltd.	Department	:	Contracts and Procurement
APO/LOI Id	:	618	Reference APO/LOI No	:	CP/CnP/F/E/e-tender Dam/2021/Vol-II/1425 dtd. 05/01/2018
PO/WO Id	:	260	File/PO/WO No	:	CP/Cnp/F/E/e-tender Dam/2021/Vol-II/1553 dtd. 24/01/2018
Company reference	:	-	Purchaser Ref./PO/WO No	:	NIB No. 237, online LOI and acceptance
Brief details of the material procured	:	Dam Safety Monitoring System for all commissioned dams of NEEPCO	Particulars of route/Scheme/Project	:	-
Ack. Status	:	Pending			

Commercial Details

Consignee details	:	As per Cl. 16 of Annexure to Order	Delivery Schedule	:	As per Cl. 8 of Annexure to Order
Mode of transport	:	-	Inspection	:	As per Cl. 11 of Annexure to Order

Financial Details

Last date of acknowledgement	:	11/01/2018 17:00:00			
Contract value(INR)	:	12585000.31	View payment details	:	As per Cl. 5 of Annexure to Order

Paying Authority	: As per Cl. 6 of Annexure to Order	Sanction particulars of Project Estimate	: -
Head of Account	: -	Certificate about availability of funds	: -

Technical Details

Technical Specifications	: As per Cl. 1 of Annexure to Order, Attachment 1 and Bid Documents	Terms and conditions of the P.O	: As per Annexure to Order

Form Details

Sr.No	Form Name
1	GRAND SUMMARY PRICE SCHEDULE 1

GRAND SUMMARY PRICE SCHEDULE 1

Sl. No.	Description	Quantity (Lot)	Total from Respective schedules in INR	Total in INR in words	Allocated Quantity	Revised Amount
1	Supply of equipment to DHEP (Total from price schedule G.1)	1	25095741	TWO CRORE FIFTY LAKH NINETY-FIVE THOUSAND SEVEN HUNDRED and FORTY-ONE	1.00	25258125.57
2	Supply of equipment to RHEP (Total from price schedule G.2)	1	25095741	TWO CRORE FIFTY LAKH NINETY-FIVE THOUSAND SEVEN HUNDRED and FORTY-ONE	1.00	25258125.57
3	Supply of equipment to KHEP (Total from price schedule G.3)	1	39881661	THREE CRORE NINETY-EIGHT LAKH EIGHTY-ONE THOUSAND SIX HUNDRED and SIXTY-ONE	1.00	40139719.17
4	Supply of equipment to Control Centre(Total from price schedule G.4)	1	3832560	THIRTY-EIGHT LAKH THIRTY-TWO THOUSAND FIVE HUNDRED	1.00	3747090.00
			93905643.00			94403060.31

1	GRAND SUMMARY PRICE SCHEDULE 2

GRAND SUMMARY PRICE SCHEDULE 2

Sl. No.	Description	Quantity (Lot)	Total from Respective schedules in INR	Total in INR in words	Allocated Quantity	Revised Amount
1	Services for equipment at DHEP (Total from price schedule H.1)	1	7647500	SEVENTY-SIX LAKH FORTY-SEVEN THOUSAND FIVE HUNDRED	1.00	7847000.00
2	Services for equipment at RHEP (Total from price schedule H.2)	1	7647500	SEVENTY-SIX LAKH FORTY-SEVEN THOUSAND FIVE HUNDRED	1.00	7847000.00
3	Services for equipment at KHEP (Total from price schedule H.3)	1	13570000	ONE CRORE THIRTY-FIVE LAKH SEVENTY THOUSAND	1.00	13924000.00
4	Services for equipment at Control Centre(Total from price schedule H.4)	1	1782500	SEVENTEEN LAKH EIGHTY-TWO THOUSAND FIVE HUNDRED	1.00	1829000.00
			30647500.00			31447000.00

Download documents

Sr. No.	Document name	Document brief	Size (in MB)	Date and time	Status
1	Price Schedules A-E.pdf	Price Schedules A to E	0.168	24/01/2018 11:17:06	Approved
2	Price Schedule I.pdf	Price Schedule I	0.041	24/01/2018 11:16:46	Approved
3	Attachment 1 SOR.pdf	Attachment 1 SOR	0.049	24/01/2018 11:16:33	Approved
4	Annexure to Order.pdf	Annexure to Order	0.082	24/01/2018 11:16:20	Approved

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ANNEXURE TO DETAILED ORDER

1. SCOPE:

The broad scope of work shall be as follows:

- Supply, delivery at sites including transit insurance & freight charges, installation, testing, commissioning of Dam safety Monitoring System viz. GNSS equipment, Geodetic Equipment, Seismic Sensors, Water level Recorders, automatic Weather Station, etc. as per the technical specification given in the Bid Document at 4(four) nos. of commissioned dams of the Corporation including all associated civil works.
- Set-up of communication Centre at each of the dam location and Corporate office and Supply & Installation of Dam Safety Monitoring software for Automatic Data acquisition, evaluation & management system at each of the locations including all associated civil/electrical works;
- Providing trainings to the Purchaser/Owner's engineers on the Dam Safety Monitoring System including both instrumentation and software provided.
- Providing of 3(three) years comprehensive warranty & Maintenance service of the entire system at all the locations from the date of commissioning/ taking over.

The, Schedule of Requirement is attached as Attachment-1. The detailed scope is as elaborated in the Bid Document

2. CONTRACT VALUE:

2.1 The total contract value for the entire scope of work shall be Rs. 12,58,50,060.31 (Rupees Twelve crore Fifty Eight lakh Fifty thousand Sixty and paise Thirty One) only, inclusive of taxes and duties as per the Price Schedule I attached.

2.2 The prices shall remain FIRM during the entire contract period.

2.3 The online price schedule is superseded by the Price Schedule I attached herewith.

2.4 The break up Price Schedules A to E are enclosed.

2.5 TAXES & DUTIES: The GST as applicable shall be reimbursed at actuals on submission of documentary evidence.Taxes, duties and levies shall be paid to the concerned authorities by the Contractor and the same shall be reimbursed by the Purchaser at actual against production of documentary evidence.

3. PERIOD OF CONTRACT:

- Supply, installation and commissioning of the system shall be completed within 6 (Six) months from the date of issue of letter of Intent.
- Comprehensive Warrantee and maintenance service: Three years (36 months) from the date of Final taking over of the System as defined in Cl. 12 below.

4. CONTRACT PERFORMANCE GUARANTEE:

1

4.1 Within 15(Fifteen) days from the date of issue of Letter of Intent, the Contractor shall furnish a Bank Guarantee in prescribed format, for an amount equal to 10 (ten) percent of the Contract value by way of Guarantee for the due and faithful performance of the Contract.

4.2 The Performance Guarantee shall be initially valid for such period to cover 90 (ninety) days beyond the date of completion of all contractual obligations by the Contractor including the comprehensive warranty and maintenance service obligations.

4.3 The Bank Guarantee for amounts expressed in Indian Rupees shall be acceptable only in they are issued either by a Nationalized Bank/Scheduled Bank incorporated in India or any International Bank situated in India and registered with RBI as scheduled Foreign Bank. The Bank Guarantee submitted by any foreign bank which is not a scheduled Bank in India shall be duly countersigned by any Nationalized Bank/Scheduled Bank in India.

4.4 The Contractor shall, on receipt of written instruction from the Purchaser, at his own cost, get the validity period of Bank Guarantee furnished by him, extended from time to time as per the instructions of the Purchaser and shall furnish the extended / revised Bank Guarantee or any extension thereof. In case the extended / revised Bank Guarantee is not received by the Purchaser within the specified period, the Purchaser, entirely at his discretion, shall be at liberty to encash the aforesaid Bank Guarantee.

4.5 The Bank Guarantee submitted in lieu of Performance Guarantee will be returned to the Contractor without any interest at the end of the 90 (ninety) days after fulfillment of all contractual obligations.

4.6 It is expressly understood and agreed that the amount of Performance Guarantee shall not be construed as limiting factor / amount for various liabilities under the Contract.

5. PAYMENT:

5.1 **General:**

The payment to the Contractor for performance of works under the Contract will be made by the Purchaser from the respective works sites as per the guidelines and conditions specified herein. All payments made during the Contract shall be preferably through "e- payment" or any other convenient mode of payment. The final payment will be made on completion of the works and on fulfillment by the Contractor of all his liabilities under the Contract.

5.2 **Mode of Payment:**

All payments due to the Contractor shall be disbursed under e-payment system. The Engineer in Charge or his authorized representatives will verify and certify the Contractor's invoices, indicating payment instructions (full bank details) for disbursement.

The successful Bidder shall have to furnish the following information for receiving payment against the work through e-payment system:

1. Name of beneficiaries:
2. Name of the Bank:
3. Branch of the Bank:
4. IFSC code of the Branch:
5. Account No.:
6. City/Town:

2

7. Fax No.:
8. Telephone No.:
9. E-mail address:

Any directions, instructions or orders issued by the Government of India from time to time regarding any or all matters arising or pertaining to the Import License shall be binding on the Contractor.

5.3 **TERMS OF PAYMENT:**

All payments shall be released from the respective sites as per the terms of payments indicated hereunder subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract.

5.3.1 For Supplies:

a. **Subject to acceptance of Contract Performance Guarantee,** 75 % payment of the Supply portion (Location-wise) of the contract price along with all applicable taxes and duties shall be paid on receipt of materials /equipment goods in good condition at site/ location and upon the submission of the following documents:
   (i) Invoice indicating materials/equipment description, quantity, unit price and total amount;.
   (ii) Proof of dispatch (Lorry receipt / railway receipt)
   (iii) Detailed packing list.
   (iv) Test certificate and / or inspection certificate / Manufacturer's standard test certificate, if any
   (v) Documentary evidence against payment of Taxes and Duties.
   (vi) Material Receipt Certificate issued by the authorized representative of the Engineer incharge/consignee

   This 75% payment on delivery shall be made from the respective site/location within 15 (fifteen) days of receipt of materials and on submission of the Invoices alongwith relevant documents.

b. Balance 25% payment would be made against successful commissioning of the system

   This 25% payment shall be released within 15 (fifteen) days from the date of commencement of comprehensive warrantee and maintenance service for the system as indicated in the clause: 32.1 upon submission of following documents :
   i. Invoices indicating the amount for the site specific.
   ii. Copies of certificates of successful installation and commissioning of the Dam Safety System location-wise issued by the Engineers in-charge.

c. **Inland Transportation and Insurance:**

   100% Freight and Insurance charges shall be paid on receipt of materials at respective site in full and good condition and duly certified by the Engineer-in-charge upon submission of invoices.

5.3.2 **For Installation & Commissioning:**

a) 75% payment towards the Installation & commissioning shall be paid after successful commissioning at respective site on Certification by the Engineer-in-Charge upon submission of invoices.
This payment shall be released within 15 (fifteen) days on successful commissioning at the respective site and submission of the invoices along with certificate of successful commissioning by the respective Engineer in-charge.

b) Balance 25% shall be paid on commencement of comprehensive warrantee and maintenance.
This 25% payment on acceptance shall be released within 15 (fifteen) days from the date of commencement of comprehensive warrantee and maintenance service for the system as indicated in the clause 13 below upon submission of following documents:
   i) Invoices indicating the amount for the site specific.
   ii) Copy of Final Taking over certificate of successful installation and commissioning of the Dam Safety System in all locations as per Cl. No. 12 below.

5.3.3 **For Comprehensive Warranty and Maintenance Service:**

a) The payment for the Comprehensive Warranty and Maintenance Service shall be paid on quarterly basis location wise after satisfactory service for the quarter ending upon submission of invoices with the following documents:
   i) Invoices indicating the amount for the site specific.
   ii) Copies of certificates of satisfactory performance regarding the service as issued location-wise by the Engineers in-charge or his authorised representative.

b) The Payment against the Comprehensive Warranty & Maintenance Service is purely on the basis of 95% uptime and other terms & conditions as stipulated under the clause. 13 below.

c) Based on the uptime, the payment modalities shall be as under:

i. For uptime of 95% and above in a particular quarter, the Contractor shall be paid the Comprehensive Warranty & Maintenance charges as per the payment terms stipulated in the Bid Documents.

ii. For any shortfall of uptime below 95%, the payment against the Comprehensive Warranty & Maintenance shall be paid prorata basis as per the calculation below:

Payment : Actual uptime (< 95%) (in %) X Amount to be paid for the period as per payment terms /100%

6. PAYING AUTHORITY

6.1 Paying Authority for payments shall be the respective Head of Finance of the respective location/Plant. For Control Center at HQ, Shillong, Senior Manager(F)/CT shall be the paying authority.

6.2 In the event of the Contractor not being able to supply the materials / equipments or carry out the work and services in accordance with the terms of the Contract, the Purchaser shall have the right to recover any payments made from the Contractor

6.3 In case the Purchaser incurs any demurrage / wharfage due to delay in receipt of despatch document or any other reason attributable to the Contractor, the same shall be to the Contractor's account and shall be deducted or recovered from him.

7. PACKING, FORWARDING AND SHIPMENT:

7.1 The Contractor shall be responsible for securely protecting and packing the materials taking special care for protruding parts and such other vulnerable parts as per prescribed standards enforced to withstand the journey and ensuring the safety of materials and also arrival of materials at destination in good and original condition for contemplated use, so as to avoid damage under normal conditions of transport, loading & unloading, handling and storage at site till the time of erection and such conditions as specified in the Contract. While packing all the materials, the limitation from the point of view of availability of Railway Wagons Sizes in India should be taken account of. The Contractor shall be responsible for any loss or damage during transportation, handling and storage due to improper packing. The Purchaser shall bear no responsibility for the availability of Railway wagons and for any loss or damage during transportation, loading & unloading, handling and storage.

7.2 Each bundle or package shall have the following marking on it: -

a. The name and address of the consignee.
b. Destination Railway station / Destination place by road.
c. The relevant marks, reference numbers etc., for identification.
d. Directions for handling the materials.

Each package shall also be accompanied with detailed packing list to facilitate checking of the contents at the destination.

7.3 The Contractor shall notify the Purchaser the date of each despatch from his works, and expected date of arrival at the Project site for the information of the Purchaser.

7.4 The Contractor shall also give all despatch information concerning the weight, size and content of each package, including any other information which the Purchaser may require.

7.5 The following documents shall be sent by Registered Post to the Consignee within 3 (three) days from the date of dispatch

a) Test Certificate (3 copies), if any
b) Invoice (3 copies)
d) Certificate of Insurance (3 copies)
d) Proof of despatch (3 copies)

7.6 All demurrage and other expenses incurred due to delayed clearance of the material and which are attributable to the Contractor during transportation shall be to the account of the Contractor.

8. INSURANCE AND INDEMNITY:

8.1 The consignments shall be duly insured by the Contractor against possible damage/loss during transit. Any loss/damage during transit shall be intimated to the Contractor within a reasonable period of time from the date of receipt of the consignment by the Consignee, and the Contractor shall take immediate action for replacement/rectification of the loss/damage. The Contractor shall have the sole liability/responsibility for settlement of claim with the under-writers towards

loss/damage, if any, and, therefore, replacement/rectification of the loss/damage shall be made good immediately at no extra cost to the Purchaser and without waiting for settlement of claim. The insurance shall be in the joint name of NEEPCO & the Contractor.

8.2 The contractor will provide necessary cover for all materials, equipment and plant during transportation, inland transit including intermediary storage enroute, storage at site upto installation and commissioning including the contractor's responsibilities and liabilities under the contract during the defects liability period. It shall also extend to cover war, strike, riot, civil commotion and all other force majeure conditions enumerated in Cl. 10 below, for which insurance cover is available.

8.3 The contractor shall obtain all risk insurance policies adequately covering the total risk of transportation of the materials and equipment to be supplied by him under the contract, and will obtain storage-cum-erection policy for the materials and equipment to be erected by him under the contract, in the joint names of the purchaser and the contractor, and to be kept valid till the plant and equipment is taken over by the owner. The contractor shall, at his own cost, obtain workmen's compensation insurance, comprehensive automobile insurance, comprehensive general liability insurance policy and fire insurance.

8.4 Workmen's compensation insurance

This insurance shall protect the contractor against all claims applicable under the Workmen's Compensation Act 1923. This policy shall also cover the Contractor against claim for injury, disability, disease or death of his or his sub-Contractors and Owner's employees.

The liabilities shall not be less than

Workmen's compensation – As per statutory provision.

Employee's liability – As per statutory provision.

9. LIQUIDATED DAMAGE:

Liquidated Damage for delay in Completion:

Time is the essence of the contract. If the performance of the Contract is delayed beyond the time schedule incorporated in the Contract, due to reasons attributable to the Contractor, the Purchaser, shall, without prejudice to his right, recover the following damages for breach of Contract:-

A. Reduce the contract price by ½% (half percent) per week or part of delay in completion time subject to a maximum of 10% (ten percent) of the contract price. The delay shall be reckoned for the period between the date of completion as stipulated in the Contract and the actual date of completion.

10. FORCE MAJEURE:

10.1 The "Force Majeure" risks are those which are beyond the control of either the Corporation or the Contractor and are defined as below:

a) War (whether declared or not), hostilities, invasion, acts of foreign enemies, rebellion, revolution, insurrection of military or usurped power, or civil war;

b) Contamination by radio activity from any nuclear fuel, or from any nuclear waste or radioactive materials;

c) Pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds;

d) Acts of God (like floods, Inundation, tornadoes, Storm/ Tempest/ Hurricane/ Typhoon/ Cyclone/ Lightning or other atmospheric disturbances, Earthquake, Landslide/ Rockslide/ Subsidence or any loss or damage caused by forces of nature);

e) Damages due to any Political or Religious incidence;

f) Act of Terrorism;

g) Riots or commotion or disorder, unless solely restricted to employees of the Contractor or his sub-contractors and arising from the conduct of the Works;

h) Martial law, damage from aircraft, nuclear fission, nuclear reaction, nuclear radiation, or radioactive contamination;

i) Fire (not caused by negligence of the Contractor/its Sub-contractors/ their personnel); and

j) Other such causes, over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

In the event of either party being rendered unable by "Force Majeure" to perform any obligation required to be performed by them under the Contract, the relative obligation of the party affected by such "Force Majeure" shall be treated as suspended for the period during which such "Force Majeure" cause lasts, provided the party alleging that it has been rendered unable, as aforesaid, thereby shall notify within 10 (ten) days of the alleged beginning and ending thereof giving full particulars and satisfactory evidence in support of such cause.

10.2 Loss to any party due to occurrence of Force Majeure risk shall be borne by the respective Party.

10.3 Should there be a request for extension of time arising out of "Force Majeure", the same shall be considered in accordance with the provision of completion time and extension under Conditions of Contract. No compensation, whatsoever, will be allowed to the Contractor for the delay arising out of Force Majeure condition.

11. INSPECTION

11.1 All materials/ equipment manufactured by the supplier himself and /or by his sub vendor against the purchase order shall be subject to inspection, check and/or test by the authorized representative of the purchaser at all stages and places before, during and after manufacturing.
Inspection by the representative of the purchaser or waiver of inspection of the material/ equipment shall not relieve the supplier of any responsibility or liability. The authorized representative of the Purchaser shall be provided access to vendor's and/ or sub-vendors premises at any time during the pendency of the contract for expediting inspection/ checking etc. of the progress of work.

11.2 Irrespective of inspection/ testing witnessed by the Corporation, the Contractor shall in no way be relieved of the responsibility of supplying the plant/equipment/materials strictly in accordance with the specifications, drawings, etc. In any case, the Contractor

shall remain fully responsible for satisfactory performance of the plant/equipment/materials.

12. TAKING OVER/CERTIFICATES OF COMPLETION

12.1 The plant/equipment shall be taken over on successful completion of entire system in totality. The respective Engineer in-charge shall issue the completion certificate, however, Final taking over shall be from the date of completion certificate of the last location commissioned. The final taking over certificate shall be issued by the Engineer-incharge of the Corporate office on issue of completion certificate by the respective Engineer-incharge.

12.2 The completion/taking over certificate shall be issued immediately after successful commissioning, tests if any without any abnormal operation and with all parameters of the plant/equipment within acceptable limits by the Contractor certifying that the facilities are allowed to operate on continuous basis without any restriction plus providing training to the Client's/ Owner's engineers at all locations.

12.3 Issuance of taking over certificate by the Purchaser shall not relieve the Contractor of any of the obligations which otherwise survive by the terms and conditions of the Contract.

13. COMPREHENSIVE WARRANTY AND MAINTENANCE SERVICE

13.1 The equipment supplied, delivered and installed against the contract shall be under Comprehensive Warranty and Maintenance for a period of Three years (36 months) from the date of Final taking over of the System as defined in Cl. 31 of this section of the Bid Document.

13.2 The Comprehensive Warranty & Maintenance shall cover for the entire system including all instrumentations, hardware, software etc. Software updates, if any during the Comprehensive Warranty & Maintenance Service shall be provided free of cost.

13.3 During the warranty and maintenance period, the Contractor shall remain liable to replace any defective materials and/or rectify any damage/deficiency that may develop or remained undetected in the goods supplied of his own or those of his sub-Contractors. Such defects and / or damage shall be repaired or replaced as per the decision of the Engineer-in-charge and solely at the cost of the Contractor. The replaced defective goods will be returned to the Contractor at his own expense, unless otherwise arranged. If, during the period of warranty, any portion of the goods supplied is found defective and is rectified/replaced, the provision of this clause shall apply to the portion of the equipment so replaced/rectified. The replacement shall be done at the shortest possible time to minimize the loss of the Purchaser and as mutually agreed to. If any defects are not remedied within a reasonable period of time, the Purchaser may proceed to do the work through any other Agency at the Contractor's risk and expenses, but without prejudice to any other rights which the Purchaser may have against the Contractor.

13.4 The repair or new parts will be furnished and installed free of cost by the Contractor. If any repair is carried out on his behalf at the site, the Contractor shall bear the cost of such repair/replacement.

13.5 The cost of transportation, including all taxes & duties etc. as applicable, Insurance of defective parts from site and replacement will be borne by the Contractor.

13.6 In case of defective parts which are not repairable at site but are essential for the operation of the equipment, the Contractor and the Engineer-in-charge shall mutually

agree to an improvised arrangement to be made by the Contractor to ensure continued plant operation and to a programme of replacement or renewal which will minimize interruption/dislocation to the maximum extent in the operation of the equipment. The cost of transportation, including all taxes & duties etc. as applicable, Insurance of defective parts from site and replacement will be borne by the Contractor.

13.7 The provision of latent defects shall be applicable up to the end of 6 (six) years from the date of successful commissioning of the equipment/plant.

13.8 It shall be expressly understood that all expenses in respect of replacement / repair during the warranty period or extended warranty period or as latent defects as noted above including, but not limited to, transportation cost, all taxes, duties and levies as applicable, etc. till such spare parts are supplied and delivered after necessary repairs/ replacement and the equipment is put back into operation shall entirely be to the Contractor's account.

13.9 The Comprehensive Warranty and Maintenance shall be on uptime basis. The Contractor is to ensure uptime/availability of the system on 95% basis. In case of any defect/claim arising out of this warranty, the Purchaser/Engineer in-charge shall promptly notify the same in writing to the supplier.

13.10 Upon receipt of such notice, the Contractor shall, within 72 hours on a 24 (hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The Contractor shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever, shall lie on the purchaser for such replaced parts/goods thereafter.

13.11 If the Contractor, having been notified, fails to respond to take action to repair or replace the defect(s) within 72 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

13.12 The Contractor at his discretion may opt to post their manpower or visit the site periodically. But in any case, the Contractor shall make joint inspection of all materials /equipment regarding healthiness and functionality with the Purchaser/Engineer in-charge at least once in 3 months commencing from the date of the warranty and maintenance service and submit reports to the respective Engineer in-charge. Accommodation to the manpower posted at respective site shall be the Contractors responsibility including all expenses arising out of such accommodation and/or expenses related to visit of any of the Contractors Technician/Engineers/employees during the period of the Contract and subsequent warranty and maintenance period.

14. TRAINING

Training on the Operation and maintenance of the on Dam Safety Monitoring Instrumentation to the Purchasers Engineers/Technician shall be provided as under:

i. At all sites/location : for minimum One week duration to the Purchaser's Engineers/ Technicians covering all instrumentations, equipment, communication system, data logging etc. of the entire system immediately on commissioning of the system.

ii. At Corporate Centre: for minimum one week to the Purchaser's Engineers/ Technicians for the system immediately on commissioning of the system.

iii. During the Comprehensive Warranty & Maintenance period, the Contractor shall associate and train Purchaser's Engineers/Technicians for operation & maintenance of the system.

15. DELIVERY OF PLANT / EQUIPMENT.

15.1 No material shall be despatched, until despatch instruction is given by the Head of Project / Engineer-In-Charge in writing to the Contractor.

15.2 The Contractor shall deliver the plant/equipment/ materials at the place (s) and in the manner as specified in the Contract. The Contractor shall comply with all instructions that may be given by the Purchaser from time to time regarding transportation of the materials.

15.3 Immediately after despatch, delivery notification of delivery or despatch in regard to each and every consignment shall be made to the designated consignee and any other personnel as may be specified in the Contract.

15.4 In case of any damage or loss occurred in transit, it should be the liability of the Contractor to initiate or pursue the claim with the Insurance Company. He shall also take immediate steps to repair the damages or to replace the loss and damages as per the instruction of the Engineer-in-charge.

15.5 Property or title of the plant / equipment / goods shall not pass to the Purchaser unless these are actually delivered at the designated places.

15.6 The Purchaser shall not be responsible to the Contractor to secure/arrange/provide means of transport. Similarly, any road license and or permit, if necessary, shall be arranged by the Contractor. However, if any documentary assistance is necessary to facilitate transportation, these will be supplied to the Contractor to the extent possible.

16. ENGINEER IN CHARGE :

The Contractor shall communicate with respect to this contract as under:

i) For Contractual matter till signing of the contract agreement on behalf of the Corporation:

The General Manager i/c C&P, NEEPCO, Shillong Phone no. 0364-2225547, Fax no. 0364 2222578, e-mail :contract_neepco@yahoo.com

ii) For Design, Engineering and approval thereof :

The Executive Director (D&E), NEEPCO, NEEPCO Bhawan, R G Baruah Road, Guwahati 781005, Phone no. 0361-2207284, e-mail : em.dne.neepco.ghy@gmail.com.

iii) For execution of the contract:

a. For Kopili Hydro Electric Plant:

The Head of Plant, Kopili Hydro Electric Plant
North eastern Electric Power Corporation Ltd. (NEEPCO)
Umrongso, Dima Hasao, Assam-788931
Phone no. 03670-288222,
Fax no. 03670-288240

b. For Doyang Hydro Electric Plant:

The Head of Plant, Doyang Hydro Electric Plant
North Eastern Electric Power Corporation Ltd. (NEEPCO)
Wokha Nagaland
Phone no. 03860-245032

c. For Ranganadi Hydro Electric Plant:
The Head of Plant, Ranganadi Hydro Electric Plant
North Eastern Electric Power Corporation Ltd. (NEEPCO)
Yazali (43 km), Lower Subansiri Dist. Arunachal pradesh
Phone no. 03809 222204,
Fax no. 03809222212

d. For Corporate Office, Shillong:
The Dy. General Manager (E/M)
North Eastern Electric Power Corporation Ltd. (NEEPCO)
Lower New Colony, shillong-793003
Phone no. 0364 2503630,
e-mail: neepco.edonm@gmail.com

17. CONTRACT AGREEMENT:
On acceptance of the detailed work order and acceptance of Contract Performance Guarantee submitted by the contractor, the Owner shall prepare the Contract Agreement on Non-Judicial Stamped Paper and the contractor will be informed for signing of the Contract Agreement on a notified date. Signing of the Contract Agreement will be done in the office of the General Manager, i/c, C&P, NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong.

18. OTHER TERMS AND CONDITIONS: The terms and conditions of Notice Inviting Bids and the Bid Documents and amendments thereof issued from time to time, if any, shall prevail for execution and completion of the entire scope of the Contract in all respects

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Attachment-1

SCHEDULE OF REQUIREMENTS:

I. For Instrumentation at Control Centre at Head Quarter

Sl. No.	Item	Unit	Quantity
1	**Dam Safety Monitoring Software at Control Centre:** Supply, installation, configuration and commissioning of 1 (One) no. dam safety monitoring software as per specification plus all associated works including demonstration and training at site and 3 (three) years warranty and maintenance contract.	Set	1
2	**Control Centre:** Supply, installation, configuration and commissioning Control centre set-up that includes Servers, Display units, IT set-up including backup servers etc. and preparation of control room Civil works, if any. Supply, configuration & commission of Communication Set- Up and connection with the existing V-SAT/ Internet facility plus demonstration and training, Insurance & Freight Charges and 3 (three) years warranty and maintenance contract.	Set	1

II. For Instrumentation at Doyang Dam

Sl. No.	Item	Unit	Quantity
1	**Geodetic Equipment:** Supply & Installation of 1 (one) No. of high precision servo driven, computer controlled 0.5" total station, as per specifications, including all accessories, reference prism (Field equipment: Periodic Monitoring), supply & Installation of pillar and protective enclosure for total station, equipment cabinet and contents for instrument power, control and communication, etc. plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract. Supply of 1 (one) No. of Digital Level and pair of staves (Field equipment: Periodic Monitoring) with 0.3mm accuracy per 1km, distance measurement range of 100m or more, USB, Magnification 32x; plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract. Supply & Installation of 25 (Twenty Five) nos. of Prisms & Mounting Kit including all associated civil and other works for positioning Prisms on face of all 4 (four) Dam walls, Reference pillar on all sites etc. plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
2	**GNSS Equipment:** Supply and installation of 3 (Three) nos. of GNSS receiver and geodetic antenna, including power and communication components as per specification, supply and installation of weatherproof equipment cabinet and internal power and communication components for GNSS installation including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
3	**Seismic Equipment:** Supply of 3 (Three) Nos. of seismic accelerometer to be fixed at crest, abutment and downstream of toe of the dam, integration with GNSS data and establishment real time data communication in Control Centre software, power, communication components and protective enclosure, as per specifications and supply and installation of weatherproof equipment cabinet and internal power and	Set	1

Sl. No.	Item	Unit	Quantity
	communication components including all associated civil and other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.		
4	**Weather Station:** Supply & Installation of 1 (One) No. of weather Station Sensor as per the specification including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
5	**Automatic Water Level Recorder:** Supply & Installation of 1 (One) No. of automatic water level Sensor as per the specification including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
6	**Dam Safety Monitoring Software:** Supply, Installation, configuration and commissioning of 1 (One) nos. dam safety monitoring software as per specification plus all associated works including demonstration and training at site and 3 (three) years warranty and maintenance contract.	Set	1
7	**Communication:** Supply, installation, configuration and commissioning of data logger, High-Speed, Reliable, and secure WLAN communication system (IP 67 compliant) linking all the sensors including automation and incorporation of existing geotechnical sensor (automatic pendulum coordinator, joint meter and automatic water level recorder) with the dam safety monitoring software of project control centre, all other associated works for connection with the existing V-SAT/ Internet facility between project control centre & centralized control centre, establishment of additional equipment/ accessories, if required, for technical reason, plus demonstration and training at site, Insurance & Freight Charges and 3 (three) years warranty and maintenance contract.	Set	1
8	**Electrical & Power:** Supply, Installation, configuration and commissioning of Power supply & Back-up system for all equipment & at 1 (One) No. of Server Room including all associated works, 2 (Two) additional set of batteries for each instrument plus 3 (Three) years maintenance contract	Set	1
9	**Control Centre:** Supply, installation, configuration and commissioning Control Centre set-up that includes Servers, Display Units, IT Set- up including backup servers etc. Supply, configuration & commissioning of Communication Set-up plus demonstration and training, insurance & Freight charges and 3 (three) years warranty and maintenance contract.	Set	1

III. For Instrumentation at Khandong Dam

Sl. No.	Item	Unit	Quantity
1	**Geodetic Equipment:** Supply & Installation of 1 (one) No. of high precision servo driven, computor controlled 0.5" total station, as per specifications, including all accessories, reference prism (Field equipment: Periodic Monitoring), supply & Installation of pillar	Set	1

Sl. No.	Item	Unit	Quantity
	and protective enclosure for total station, equipment cabinet and contents for instrument power, control and communication, etc. plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract. Supply of 1 (one) No. of Digital Level and pair of staves (Field equipment: Periodic Monitoring) with 0.3mm accuracy per 1km, distance measurement range of 100m or more, USB, Magnification 32x; plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract. Supply & installation of 25 (Twenty Five) nos. of Prisms & Mounting Kit including all associated civil and other works for positioning Prisms on face of all 4 (four) Dam walls, Reference piller on all sites etc. plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.		
2	**GNSS Equipment:** Supply and installation of 3 (Three) nos. of GNSS receiver and geodetic antenna, including power and communication components as per specification, supply and installation of weatherproof equipment cabinet and internal power and communication components for GNSS installation including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
3	**Seismic Equipment:** Supply of 3 (Three) Nos. of seismic accelerometer to be fixed at crest, abutment and downstream of toe of the dam, integration with GNSS data and establishing real time data communication in Control Centre software, power, communication components and protective enclosure, as per specifications and supply and installation of weatherproof equipment cabinet and internal power and communication components including all associated civil and other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
4	**Weather Station:** Supply & installation of 1 (One) No. of weather Station Sensor as per the specification including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
5	**Dam Safety Monitoring Software:** Supply, installation, configuration and commissioning of 1 (one) nos. dam safety monitoring software as per specification plus all associated works including demonstration and training at site and 3 (three) years warranty and maintenance contract.	Set	1
6	**Communication:** Supply, installation, configuration and commissioning of data logger, High-Speed, Reliable, and secure WLAN communication system (IP 67 compliant) linking all the sensors including automation and incorporation of existing geotechnical sensor (automatic pendulum coordinator, joint meter and automatic water level recorder) with the dam safety monitoring software of project control centre, all other associated works for connection with the existing V-SAT/ Internet facility between project control centre & centralized control centre, establishment of additional equipment/ accessories, if required, for technical reason, plus demonstration and	Set	1

Sl. No.	Item	Unit	Quantity
	training at site, Insurance & Freight Charges and 3 (three) years warranty and maintenance contract.		
7	**Electrical & Power:** Supply, Installation, configuration and commissioning of Power supply & Back-up system for all equipment & at 1 (One) No. of Server Room including all associated works, 2 (Two) additional set of batteries for each instrument plus 3 (Three) years maintenance contract	Set	1
8	**Control Centre:** Supply, installation, configuration and commissioning Control Centre set-up that includes Servers, Display Units, IT Set- up including backup servers etc. Supply, configuration & commissioning of Communication Set-up plus demonstration and training, insurance & Freight charges and 3 (three) years warranty and maintenance contract.	Set	1

iv. **For Instrumentation at Ranganadi Dam**

Sl. No.	Item	Unit	Quantity
1	**Geodetic Equipment:** Supply & Installation of 1 (one) No. of high precision servo driven, computer controlled 0.5" total station, as per specifications, including all accessories, reference prism (Field equipment: Periodic Monitoring), supply & Installation of pillar and protective enclosure for total station, equipment cabinet and contents for instrument power, control and communication, etc. plus demonstration and training at site, Insurance & freight charges and 3 (three) years warranty and maintenance contract. Supply of 1 (one) No. of Digital Level and pair of staves (Field equipment. Periodic Monitoring) with 0.3mm accuracy per 1km, distance measurement range of 100m or more. USB, Magnification 32x; plus demonstration and training at site, Insurance & freight charges and 3 (three) years warranty and maintenance contract. Supply & Installation of 25 (Twenty Five) nos. of Prisms & Mounting Kit including all associated civil and other works for positioning Prisms on face of all 4 (four) Dam walls, Reference pillar on all sites etc. plus demonstration and training at site, Insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
2	**GNSS Equipment:** Supply and installation of 3 (Three) nos. of GNSS receiver and geodetic antenna, including power and communication components as per specification, supply and installation of weatherproof equipment cabinet and internal power and communication components for GNSS installation including all associated civil & other works plus demonstration and training at site. Insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
3	**Seismic Equipment:** Supply of 3 (Three) Nos. of seismic accelerometer to be fixed at crest, abutment and downstream of toe of the dam, integration with GNSS data and establishing real time data communication in Control Centre software, power, communication components and protective enclosure, as per specifications and supply and installation of weatherproof equipment cabinet and internal power and communication components including all associated civil and other works plus	Set	1

Sl. No.	Item	Unit	Quantity
	demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.		
4	**Weather Station:** Supply & Installation of 1 (One) No. of weather Station Sensor as per the specification including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
5	**Automatic Water Level Recorder:** Supply & Installation of 1 (One) No. of automatic water level Sensor as per the specification including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
6	**Dam Safety Monitoring Software:** Supply, Installation, configuration and commissioning of 1 (one) nos. dam safety monitoring software as per specification plus all associated works including demonstration and training at site and 3 (three) years warranty and maintenance contract.	Set	1
7	**Communication:** Supply, Installation, configuration and commissioning of data logger, High-Speed, Reliable, and secure WLAN communication system (IP 67 compliant) linking all the sensors including automation and incorporation of existing geotechnical sensor (automatic pendulum coordinator, joint meter and automatic water level recorder) with the dam safety monitoring software of project control centre, all other associated works for connection with the existing V-SAT/ Internet facility between project control centre & centralized control centre, establishment of additional equipment/ accessories, if required, for technical reason, plus demonstration and training at site, Insurance & Freight Charges and 3 (three) years warranty and maintenance contract.	Set	1
8	**Electrical & Power:** Supply, Installation, configuration and commissioning of Power supply & Back-up system for all equipment & at 1 (One) No. of Server Room including all associated works, 2 (Two) additional set of batteries for each instrument plus 3 (Three) years maintenance contract	Set	1
9	**Control Centre:** Supply, Installation, configuration and commissioning Control Centre set-up that includes Servers, Display Units, IT Set- up including backup servers etc. Supply, configuration & commissioning of Communication Set-up plus demonstration and training, insurance & Freight charges and 3 (three) years warranty and maintenance contract.	Set	1

V. For Instrumentation at Umrong Dam

Sl. No.	Item	Unit	Quantity
1	**Geodetic Equipment:** Supply & Installation of 25 (Twenty Five) nos. of Prisms & Mounting Kit including installation of pillar, protective enclosure for total station, equipment cabinet and contents for instrument power, control and communication, etc. plus all associated civil and other works for positioning Prisms on face of Dam walls, Reference pillar	Set	1

Sl. No.	Item	Unit	Quantity
	etc. plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.		
2	**GNSS Equipment:** Supply and installation of 3 (Three) nos. of GNSS receiver and geodetic antenna, including power and communication components as per specification, supply and installation of weatherproof equipment cabinet and internal power and communication components for GNSS installation including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
3	**Seismic Equipment:** Supply of 3 (Three) Nos. of seismic accelerometer to be fixed at crest, abutment and downstream of toe of the dam, integration with GNSS data and establishing real time data communication in Control Centre software, power, communication components and protective enclosure, as per specifications and supply and installation of weatherproof equipment cabinet and internal power and communication components including all associated civil and other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
4	**Automatic Water Level Recorder:** Supply & Installation of 1 (One) No. of automatic water level Sensor as per the specification including all associated civil & other works plus demonstration and training at site, insurance & freight charges and 3 (three) years warranty and maintenance contract.	Set	1
5	**Communication:** Supply, installation, configuration and commissioning of data logger, High-Speed, Reliable, and secure WLAN communication system (IP 67 compliant) linking all the sensors including automation and incorporation of existing geotechnical sensor (automatic pendulum coordinator, joint meter and automatic water level recorder) with the dam safety monitoring software of project control centre, all other associated works for connection with the existing V-SAT/ Internet facility between project control centre & centralized control centre, establishment of additional equipment/ accessories, if required, for technical reason, plus demonstration and training at site, insurance & Freight Charges and 3 (three) years warranty and maintenance contract.	Set	1
6	**Electrical & Power:** Supply, installation, configuration and commissioning of Power supply & Back-up system for all equipment & at 1 (One) No. of Server Room including all associated works, 2 (Two) additional set of batteries for each instrument plus 3 (Three) years maintenance contract	Set	1

PRICE SCHEDULE I

(Detailed Order against NIB No. 237)

Sl. No.	Description	Basic Price (Rs.)	Taxes		Total (Rs.)
			Description	Amount (Rs.)	
I	**FOR SUPPLY**				
a	Supply of equipment to DHEP	2,14,05,191.00	IGST @ 18%	38,52,934.41	2,52,58,125.57
b	Supply of equipment to RHEP	2,14,05,191.00	IGST @ 18%	38,52,934.41	2,52,58,125.57
c	Supply of equipment to KHEP (for Khandong and Umrong Dams)	3,40,16,731.00	IGST @ 18%	61,23,068.01	4,01,39,719.17
d	Supply of equipment to Control Centre	31,75,500.00	IGST @ 18%	5,71,590.00	37,47,090.00
	TOTAL FOR SUPPLY	8,00,02,593.00		1,44,00,467.00	9,44,03,060.00
II	**FOR SERVICES**				
a	Services for equipment at DHEP	66,50,000.00	IGST @ 18%	11,97,000.00	78,47,000.00
b	Services for equipment at RHEP	66,50,000.00	IGST @ 18%	11,97,000.00	78,47,000.00
c	Services for equipment at KHEP (for Khandong and Umrong Dams)	1,18,00,000.00	IGST @ 18%	21,24,000.00	1,39,24,000.00
d	Services for equipment at Control Centre	15,50,000.00	IGST @ 18%	2,79,000.00	18,29,000.00
	TOTAL FOR SERVICES	2,66,50,000.00		47,97,000.00	3,14,47,000.00
III	**TOTAL FOR SUPPLY AND SERVICES**				12,58,50,060.31

Note: Detailed break-up of price are attached at Schedules A to E.

PRICE SCHEDULE – A

FOR CONTROL CENTRE AT CORPORATE OFFICE

I. FOR SUPPLY PORTION

Sl. No.	Description of Items	Unit	Qty	Unit Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR in Words.
1	**Dam Safety Monitoring Software at Control Centre:** Supply of 1 (One) no. dam safety monitoring software as per specification. And all other accessories required for successful installation and commissioning	Set	1	₹ 14,35,500.00	₹ 14,35,500.00	Rupees Fourteen lakh Thirty Five thousand Five hundred
2	**Control Centre:** Supply of Control centre set up that includes Servers, Display units, IT set-up including backup servers etc. Supply of Communication Set- Up and connection with the existing V-SAT/ Internet facility And all other accessories required for successful installation and commissioning	Set	1	₹ 17,40,000.00	₹ 17,40,000.00	Rupees Seventeen lakh Forty thousand
3	**TOTAL (Ex-works Price)**				₹ 31,75,500.00	Rupees Thirty One lakh Seventy Five thousand Five hundred
4	Add TAXES & DUTIES: IGST @18%				₹ 5,71,590.00	Rupees Five lakh Seventy One thousand Five hundred Ninety
5	**TOTAL Incl. Taxes**				₹ 37,47,090.00	**Rupees Thirty Seven lakh Forty Seven thousand Ninety**

IL FOR SERVICE PORTION

(1) SCHEDULE OF PRICES FOR FREIGHT AND INSURANCE

Sl. No.	Description	Qty	Prices For			
			Inland Transportation in INR (Exclusive of taxes & duties)	Insurance in INR (Exclusive of taxes & duties)	Total Prices in INR (Exclusive of taxes & duties)	Total Prices in INR in Words
A	B	C	D	E	F=D+E	G
1	Freight and Insurance for delivery of the equipment at Control Center	LUMP SUM	₹ 25,000.00	₹ 25,000.00	₹ 50,000.00	Rupees Fifty thousand

(2) SCHEDULE OF PRICES FOR INSTALLATION & COMMISSIONING OF EQUIPMENT AT CONTROL CENTRE

Sl. No.	Description of Items	Unit	Qty	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
I	Installation and commissioning charges of all equipment at Control Centre including all civil works and all other works deemed to be inclusive for successful completion of the job plus demonstration and training at site.	LOT	1	₹ 9,00,000.00	₹ 9,00,000.00	Rupees Nine lakh

(3) FOR WARRANTY AND MAINTENANCE OF EQUIPMENT FOR A PERIOD OF 3 YEARS AT CONTROL CENTRE

Sl. No.	Description of Items	Unit	Qty	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Comprehensive Warranty and Maintenance of equipment for a period of 3 years	Years	3	₹ 2,00,000.00	₹ 6,00,000.00	Rupees Six lakh

TOTAL FOR SERVICES (1 + 2 + 3)	**₹. 15,50,000.00**	**Rupees Fifteen lakh Fifty thousand**
Add Taxes & Duties, IGST @18%	**₹. 2,79,000.00**	**Rupees Two lakh Seventy Nine thousand**
Total for SERVICES Incl. taxes	**₹. 18,29,000.00**	**Rupees Eighteen lakh Twenty Nine thousand**

PRICE SCHEDULE – B

FOR DOYANG HYDRO ELECTRIC PLANT (DHEP)

I. FOR SUPPLY PORTION :

Sl. No.	Description of Items	Unit	Qty	Unit Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR in Words.
1	**Geodetic Equipment:** Supply of 1 (one) No. of high precision servo driven, computer controlled 0.5" total station, as per specifications, including all accessories, reference prism (Field equipment: Periodic Monitoring), supply of pillar and protective enclosure for total station, equipment cabinet and contents for instrument power, control and communication, etc. Supply of 1 (one) No. of Digital Level and pair of staves (Field equipment: Periodic Monitoring) Supply of 25 (Twenty Five) nos. of Prisms & Mounting Kit, Reference pillar on all sites etc. And all other accessories required for successful installation and commissioning.	Set	1	₹ 42,04,177.56	₹ 42,04,177.56	Rupees Forty Two lakh Four thousand One hundred Seventy Seven Paise Fifty Six
2	**GNSS Equipment:** Supply of 3 (Three) nos. of GNSS receiver and geodetic antenna, including power and communication components as per specification, supply of weatherproof equipment cabinet and internal power and communication components for GNSS installation. And all other accessories required for successful installation and commissioning.	Set	1	₹ 56,76,315.00	₹ 56,76,315.00	Rupees Fifty Six lakh Seventy Six thousand Three hundred Fifteen
3	**Seismic Equipment:** Supply of 3 (Three) Nos. of seismic accelerometer to be fixed at crest, abutment end downstream of toe of the dam incorporation with GNSS data acquisition system, power, communication components and protective enclosure, as per specifications and supply of weatherproof equipment cabinet and internal power and communication components	Set	1	₹ 33,93,000.00	₹ 33,93,000.00	Rupees Thirty Three lakh Ninety Three thousand

	And all other accessories required for successful installation and commissioning.					
4	**Weather Station:** Supply of 1 (One) No. of weather Station Sensor as per the specification. And all other accessories required for successful installation and commissioning.	Set	1	₹ 10,46,853.60	₹ 10,46,853.60	Rupees Ten lakh Forty Six thousand Eight Hundred Fifty Three Paise Sixty
5	**Automatic Water Level Recorder:** Supply of 1 (One) No. of automatic water level Sensor as per the specification And all other accessories required for successful installation and commissioning.	Set	1	₹ 12,00,165.00	₹ 12,00,165.00	Rupees Twelve lakh One hundred Sixty Five
6	**Dam Safety Monitoring Software:** Supply of 1 (One) nos. dam safety monitoring software as per specification. And all other accessories required for successful installation, configuration and commissioning.	Set	1	₹ 19,35,750.00	₹ 19,35,750.00	Rupees Nineteen lakh Thirty Five thousand Seven hundred Fifty
7	**Communication:** Supply of data logger, High-Speed, Reliable, and secure WLAN communication system (IP 67 compliant) linking all the sensors including automation and incorporation of existing geotechnical sensor (automatic pendulum coordinator, joint meter and automatic water level recorder) with the dam safety monitoring software of project control centre, connection with the existing V-SAT/ Internet facility between project control centre & centralized control centre, establishment of additional equipment/ accessories, if required, for technical reason. And all other accessories required for successful installation and commissioning.	Set	1	₹ 15,48,600.00	₹ 15,48,600.00	Rupees Fifteen lakh Forty Eight thousand Six hundred
8	**Electrical & Power:** Supply of Power supply & Back-up system for all equipment & at 1 (One) No. of Server Room, 2 (Two) additional set of batteries for each instrument	Set	1	₹ 7,74,300.00	₹ 7,74,300.00	Rupees Seven lakh Seventy Four thousand Three hundred

	And all other accessories required for successful installation and commissioning.					
9	**Control Centre:** Supply of Control Centre set-up that includes Servers, Display Units, IT Set- up including backup servers etc. Supply of Communication Set-up And all other accessories required for successful installation and commissioning.	Set	1	₹ 16,26,030.00	₹ 16,26,030.00	Rupees Sixteen lakh Twenty Six thousand Thirty
10	TOTAL (Ex-works PRICE)				₹ 2,11,05,191.16	Rupees Two Crore Fourteen lakh Five thousand One hundred Ninety One Paise Sixteen
11	Add TAXES & DUTIES: IGST @18%				₹38,52,934.41	Rupees Thirty Eight lakh Fifty Two thousand Nine hundred Thirty Four Paise Forty One
12	**TOTAL Incl. Taxes**				**₹2,62,68,125.57**	**Rupees Two crore Fifty Two lakh Fifty Eight thousand One hundred Twenty Five Paise Fifty Seven**

II. FOR SERVICE PORTION

(1) FREIGHT AND INSURANCE FOR EQUIPMENT SUPPLIED

Sl. No.	Description	Quantity	Prices For			
			Inland Transportation in INR (Exclusive of taxes & duties)	Insurance in INR (Exclusive of taxes & duties)	Total Prices in INR (Exclusive of taxes & duties)	Total Prices in INR in Words
A	B	C	D	E	F=D+E	G
1	Freight and Insurance for delivery of the equipment at DHEP	LUMP SUM	₹ 1,50,000.00	₹ 1,50,000.00	₹ 3,00,000.00	Rupees Three lakh

(2) FOR INSTALLATION & COMMISSIONING OF EQUIPMENT

Sl. No.	Description of Items	Unit	Quantity	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Installation and commissioning charges of all equipment at DHEP including all civil works and all other works deemed to be inclusive for successful completion of the job plus demonstration and training at site.	LOT	1	₹ 21,50,000.00	₹ 21,50,000.00	Rupees Twenty One lakh Fifty thousand

(3) FOR COMPREHENSIVE WARRANTY AND MAINTENANCE OF EQUIPMENT FOR A PERIOD OF 3 YEARS

Sl. No.	Description of Items	Unit	Quantity	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Comprehensive Warranty and Maintenance of equipment for a period of 3 years	Years	3	₹ 14,00,000.00	₹ 42,00,000.00	Rupees Forty Two lakh

TOTAL FOR SERVICES (1 + 2 + 3)	**₹. 66,50,000.00**	**Rupees Sixty Six lakh Fifty thousand**
Add Taxes & Duties, IGST @18%	**₹. 11,97,000.00**	**Rupees Eleven lakh Ninety Seven thousand**
Total for SERVICES Incl. taxes	**₹. 78,47,000.00**	**Rupees Seventy Eight lakh Forty Seven thousand**

PRICE SCHEDULE C

FOR KOPILI HYDRO ELECTRIC PLANT (KHEP): KHANDONG DAM

I. FOR SUPPLY PORTION:

Sl. No.	Description of Items	Unit	Qty	Unit Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR in Words.
A	B	C	D	E	F=D*E	G
D	**For Instrumentation at Khandong Dam**					
1	**Geodetic Equipment:** Supply of 1 (one) No. of high precision servo driven, computer controlled 0.5" total station, as per specifications, including all accessories, reference prism (Field equipment: Periodic Monitoring), supply of pillar and protective enclosure for total station, equipment cabinet and contents for instrument power, control and communication, etc. Supply of 1 (one) No. of Digital Level and pair of staves (Field equipment: Periodic Monitoring), Supply of 25 (Twenty Five) nos. of Prisms & Mounting Kit for positioning Prisms on face of all 4 (four) Dam walls, Reference pillar on all sites etc. And all other accessories required for successful installation and commissioning	Set	1	₹ 42,04,177.56	₹ 42,04,177.56	Rupees Forty Two lakh Four thousand One hundred Seventy Seven Paise Fifty Six
2	**GNSS Equipment:** Supply of 3 (Three) nos. of GNSS receiver and geodetic antenna, including power and communication components as per specification, supply of weatherproof equipment cabinet and internal	Set	1	₹ 56,76,315.00	₹ 56,76,315.00	Rupees Fifty Six lakh Seventy Six thousand Three hundred Fifteen

	power and communication components for GNSS installation. And all other accessories required for successful installation and commissioning					
3	**Seismic Equipment:** Supply of 3 (Three) Nos. of seismic accelerometer to be fixed at crest, abutment and downstream of toe of the dam incorporation with GNSS data acquisition system, power, communication components and protective enclosure, as per specifications and supply of weatherproof equipment cabinet and internal power and communication components And all other accessories required for successful installation and commissioning	Set	1	₹ 33,93,000.00	₹ 33,93,000.00	Rupees Thirty Three lakh Ninety three thousand
4	**Weather Station:** Supply of 1 (One) No. of weather Station Sensor as per the specification. And all other accessories required for successful installation and commissioning	Set	1	₹ 10,46,853.60	₹ 10,46,853.60	Rupees Ten lakh Forty Six thousand Eight hundred Fifty Three Paise Sixty
5	**Dam Safety Monitoring Software:** Supply of 1 (one) nos. dam safety monitoring software as per specification. And all other accessories required for successful installation and commissioning	Set	1	₹ 19,35,750.00	₹ 19,35,750.00	Rupees Nineteen lakh Thirty five thousand Seven hundred fifty
6	**Communication:** Supply of data logger, High-Speed, Reliable, and secure WLAN communication system (IP 67 compliant) linking all the sensors including automation and incorporation of existing geotechnical sensor (automatic pendulum	Set	1	₹ 15,48,600.00	₹ 15,48,600.00	Rupees Fifteen lakh Forty Eight thousand Six hundred

	coordinator, joint meter and automatic water level recorder) with the dam safety monitoring software of project control centre, connection with the existing V-SAT/ Internet facility between project control centre & centralized control centre, establishment of additional equipment/ accessories, if required, for technical reason. And all other accessories required for successful installation and commissioning					
7	Electrical & Power: Supply of Power supply & Back-up system for all equipment & at 1 (One) No. of Server Room, 2 (Two) additional set of batteries for each instrument. And all other accessories required for successful installation and commissioning	Set	1	₹ 7,74,300.00	₹ 7,74,300.00	Rupees Seven lakh Seventy Four thousand Three hundred
8	Control Centre: Supply of Control Centre set-up that includes Servers, Display Units, IT Set- up including backup servers etc. Supply of Communication Set-up And all other accessories required for successful installation and commissioning	Set	1	₹ 16,26,030.00	₹ 16,26,030.00	Rupees Sixteen lakh Twenty Six thousand Thirty
9	Total (Ex-works Price)				₹ 2,02,05,026.16	Rupees Two crore Two lakh Five thousand Twenty Six Paise Sixteen
10	Taxes and Duties: IGST @ 18%				₹ 36,36,904.71	Rupees Thirty Six lakh Thirty Six thousand Nine hundred Four Paise Seventy One
11	**TOTAL Incl. Taxes**				**₹ 2,38,41,930.87**	**Rupees Two crore Thirty Eight lakh Forty One thousand Nine hundred Thirty Paise Eighty Seven**

II FOR SERVICE PORTION

(1) FREIGHT AND INSURANCE FOR EQUIPMENT to Khandong Dam

Sl. No.	Description	Quantity	Prices For			
			Inland Transportation in INR (Exclusive of taxes & duties)	Insurance in INR (Exclusive of taxes & duties)	Total Prices in INR (Exclusive of taxes & duties)	Total Prices in INR in Words
A	B	C	D	E	F=D+E	G
1	Freight and Insurance for delivery of the equipment at KHEP	LUMP SUM	₹ 1,50,000.00	₹ 1,50,000.00	₹ 3,00,000.00	Rupees Three lakh

(2) FOR INSTALLATION & COMMISSIONING OF EQUIPMENT

Sl. No.	Description of Items	Unit	Quantity	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Installation and commissioning charges of all equipment at Khandong Dam including all civil works and all other works deemed to be inclusive for successful completion of the job plus demonstration and training at site.	LOT	1	₹ 21,50,000.00	₹ 21,50,000.00	Rupees Twenty One lakh Fifty thousand

(3) FOR COMPREHENSIVE WARRANTY AND MAINTENANCE OF EQUIPMENT FOR A PERIOD OF 3 YEARS

Sl. No.	Description of Items	Unit	Quantity	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Comprehensive Warranty and Maintenance of equipment for a period of 3 years	Years	3	₹ 12,00,000.00	₹ 36,00,000.00	Rupees Thirty Six lakh

TOTAL FOR SERVICES (1 + 2 + 3)	**₹. 60,50,000.00**	**Rupees Sixty lakh Fifty thousand**
Add Taxes & Duties, IGST @18%	**₹. 10,89,000.00**	**Rupees Ten lakh Eighty Nine thousand**
Total for SERVICES Incl. taxes	**₹. 71,39,000.00**	**Rupees Seventy One lakh Thirty Nine thousand**

PRICE SCHEDULE D

FOR KOPILI HYDRO ELECTRIC PLANT (KHEP): UMRONG DAM

I. FOR SUPPLY PORTION:

Sl. No.	Description of Items	Unit	Qty	Unit Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR in Words.
1	**Geodetic Equipment:** Supply of 25 (Twenty Five) nos. of Prisms & Mounting Kit including pillar, protective enclosure for total station, equipment cabinet and contents for instrument power, control and communication etc. for positioning Prisms on face of Dam walls, Reference pillar etc. And all other accessories required for successful installation and commissioning	Set	1	₹ 3,67,575.00	₹ 3,67,575.00	Rupees Three lakh Sixty Seven thousand Five hundred Seventy Five
2	**GNSS Equipment:** Supply of 3 (Three) nos. of GNSS receiver and geodetic antenna, including power and communication components as per specification, supply of weatherproof equipment cabinet and internal power and communication components for GNSS installation And all other accessories required for successful installation and commissioning	Set	1	₹ 56,76,315.00	₹ 56,76,315.00	Rupees Fifty Six lakh Seventy Six thousand Three hundred Fifteen
3	**Seismic Equipment:** Supply of 3 (Three) Nos. of seismic accelerometer to be fixed at crest, abutment and downstream toe of the dam incorporation with GNSS data acquisition system, power, communication components and protective enclosure, as per specifications and supply of weatherproof equipment cabinet and internal power and communication components. And all other accessories required for successful installation and commissioning	Set	1	₹ 33,93,000.00	₹ 33,93,000.00	Rupees Thirty Three lakh Ninety Three thousand
4	**Automatic Water Level Recorder:** Supply of 1 (One) No. of automatic water level Sensor as per the specification. And all other accessories required for successful installation and commissioning	Set	1	₹ 12,00,165.00	₹ 12,00,165.00	Rupees Twelve lakh One hundred Sixty Five

5	**Communication:** Supply of data logger, High-Speed, Reliable, and secure WLAN communication system (IP 67 compliant) linking all the sensors including automation and incorporation of existing geotechnical sensor (automatic pendulum coordinator, joint meter and automatic water level recorder) with the dam safety monitoring software of project control centre, connection with the existing V-SAT/ Internet facility between project control centre & centralized control centre, establishment of additional equipment/ accessories, if required, for technical reason And all other accessories required for successful installation and commissioning	Set	1	₹ 15,48,600.00	₹ 15,48,600.00	Rupees Fifteen lakh Forty Eight thousand Six hundred
6	**Electrical & Power:** Supply of Power supply & Back-up system for all equipment & at 1 (One) No. of Server Room, 2 (Two) additional set of batteries for each instrument And all other accessories required for successful installation and commissioning	Set	1	₹ 16,26,030.00	₹ 16,26,030.00	Rupees Sixteen Lakh Twenty Six Thousand Thirty
7	Total (Ex-works Price)				₹ 1,38,11,685.00	Rupees One crore Thirty Eight lakh Eleven thousand Six hundred Eighty Five
8	Add taxes and duties: IGST @ 18%				₹ 24,86,103.30	Rupees Twenty Four lakh Eighty Six thousand One hundred Three Paise Thirty
9	**TOTAL for Supply incl. Taxes**				₹ 1,62,97,788.30	**Rupees One crore Sixty Two lakh Ninety Seven thousand Seven hundred Eighty Eight Paise Thirty**

II FOR SERVICE PORTION

(1) FREIGHT AND INSURANCE FOR EQUIPMENT to Umrong Dam

Sl. No.	Description	Quantity	Prices For			
			Inland Transportation in INR (Exclusive of taxes & duties)	Insurance in INR (Exclusive of taxes & duties)	Total Prices in INR (Exclusive of taxes & duties)	Total Prices in INR in Words
A	B	C	D	E	F=D+E	G
1	Freight and Insurance for delivery of the equipment at KHEP	LUMP SUM	₹ 1,50,000.00	₹ 1,50,000.00	₹ 3,00,000.00	Rupees Three lakh

(2) FOR INSTALLATION & COMMISSIONING OF EQUIPMENT

Sl. No.	Description of Items	Unit	Quantity	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Installation and commissioning charges of all equipment at Umrong Dam including all civil works and all other works deemed to be inclusive for successful completion of the job plus demonstration and training at site.	LOT	1	₹ 21,50,000.00	₹ 21,50,000.00	Rupees Twenty One lakh Fifty thousand

(3) FOR COMPREHENSIVE WARRANTY AND MAINTENANCE OF EQUIPMENT FOR A PERIOD OF 3 YEARS

Sl. No.	Description of Items	Unit	Quantity	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Comprehensive Warranty and Maintenance of equipment for a period of 3 years	Years	3	₹ 11,00,000.00	₹ 33,00,000.00	Rupees Thirty Three lakh

TOTAL FOR SERVICES (1 + 2 + 3)	₹. 57,50,000.00	Rupees Fifty Seven lakh Fifty thousand
Add Taxes & Duties, IGST @18%	₹. 10,35,000.00	Rupees Ten lakh Thirty Five thousand
Total for SERVICES Incl. taxes	₹. 67,85,000.00	Rupees Sixty Seven lakh Eighty Five thousand

PRICE SCHEDULE E

FOR RANGANADI HYDRO ELECTRIC PLANT (RHEP):

1. FOR SUPPLY PORTION:

Sl. No.	Description of Items	Unit	Qty	Unit Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR (Exclusive of Taxes & Duties)	Total Ex-Works Price in INR in Words.
A	B	C	D	E	F=D*E	G
1	**Geodetic Equipment:** Supply of 1 (one) No. of high precision servo driven, computer controlled 0.5" total station, as per specifications, including all accessories, reference prism [Field equipment: Periodic Monitoring], supply of pillar and protective enclosure for total station, equipment cabinet and contents for instrument power, control and communication, etc. Supply of 1 (one) No. of Digital Level and pair of staves (Field equipment: Periodic Monitoring). Supply of 25 (Twenty Five) nos. of Prisms & Mounting kit for positioning Prisms on face of all 4 (four) Dam walls, Reference pillar on all sides etc. And all other accessories required for successful installation and commissioning.	Set	1	₹ 42,04,177.56	₹ 42,04,177.56	Rupees Forty Two lakh Four thousand One hundred Seventy Seven Paise Fifty Six.
2	**GNSS Equipment:** Supply of 3 (Three) nos. of GNSS receiver and geodetic antenna, including power and communication components as per specification, supply of weatherproof equipment cabinet and internal power	Set	1	₹ 56,76,315.00	₹ 56,76,315.00	Rupees Fifty Six lakh Seventy Six thousand Three hundred Fifteen

	and communication components for GNSS installation. And all other accessories required for successful installation and commissioning.					
3	**Seismic Equipment:** Supply of 3 (Three) Nos. of seismic accelerometer to be fixed at crest, abutment and downstream of toe of the dam incorporation with GNSS data acquisition system, power, communication components and protective enclosure, as per specifications and supply of weatherproof equipment cabinet and internal power and communication components. And all other accessories required for successful installation and commissioning.	Set	1	₹ 33,93,000.00	₹ 33,93,000.00	Rupees Thirty Three lakh Ninety Three thousand
4	**Weather Station:** Supply of 1 (One) No. of weather Station Sensor as per the specification. And all other accessories required for successful installation and commissioning.	Set	1	₹ 10,46,853.60	₹ 10,46,853.60	Rupees Ten lakh Forty Six thousand Eight hundred Fifty Three Paise Sixty
5	**Automatic Water Level Recorder:** Supply of 1 (One) No. of automatic water level Sensor as per the specification. And all other accessories required for successful installation and commissioning.	Set	1	₹ 12,00,165.00	₹ 12,00,165.00	Rupees Twelve lakh One hundred Sixty Five
6	**Dam Safety Monitoring Software:** Supply of 1 (one) nos. dam safety monitoring software as per specification. And all other accessories required for successful	Set	1	₹ 19,35,750.00	₹ 19,35,750.00	Rupees Nineteen lakh Thirty Five thousand Seven hundred Fifty

	Installation and commissioning.					
7	**Communication:** Supply of data logger, High-Speed, Reliable, and secure W_AN communication system (IP 67 compliant) linking all the sensors including automation and incorporation of existing geotechnical sensor (automatic pendulum coordinator, joint meter and automatic water level recorder) with the dam safety monitoring software or project control centre, connection with the existing V-SAT/ Internet facility between project control centre & centralized control centre, establishment of additional equipment/ accessories, if required, for technical reason. And all other accessories required for successful installation and commissioning.	Set	1	₹ 15,48,600.00	₹ 15,48,600.00	Rupees Fifteen lakh Forty Eight thousand Six hundred
8	**Electrical & Power:** Supply of Power supply & Back-up system for all equipment & at 1 (One) No. of Server Room, 2 (Two) additional set of batteries for each instrument. And all other accessories required for successful installation and commissioning.	Set	1	₹ 7,74,300.00	₹ 7,74,300.00	Rupees Seven lakh Seventy Four thousand Three hundred
9	**Control Centre:** Supply of Control Centre set-up that includes Servers, Display Units, IT Set-up including backup servers etc. Supply of Communication Set-up. And all other accessories required for successful installation and commissioning.	Set	1	₹ 16,26,030.00	₹ 16,26,030.00	Rupees Sixteen lakh Twenty Six thousand Thirty

10	TOTAL (Ex-works Price)	₹ 2,14,05,191.16	Rupees Two crore Fourteen lakh Five thousand One hundred Ninety One Paise Sixteen
11	Add Taxes and Duties: IGST @ 18%	₹ 38,52,934.41	Rupees Thirty Eight lakh Fifty Two thousand Nine hundred Thirty Four Paise Forty One
12	TOTAL Incl. Taxes	₹ 2,52,58,125.57	Rupees Two crore Fifty Two lakh Fifty Eight thousand One hundred Twenty Five Paise Fifty Seven

II. FOR SERVICE PORTION

(1) FREIGHT AND INSURANCE FOR EQUIPMENT to Ranganadi Dam

Sl. No.	Description	Quantity	Prices For: Inland Transportation in INR (Exclusive of taxes & duties)	Insurance in INR (Exclusive of taxes & duties)	Total Prices in INR (Exclusive of taxes & duties)	Total Prices in INR in Words
A	B	C	D	E	F=D+E	G
1	Freight and Insurance for delivery of the equipment at RHEP	LUMP SUM	₹ 1,50,000.00	₹ 1,50,000.00	₹ 3,00,000.00	Rupees Three lakh

(2) FOR INSTALLATION & COMMISSIONING OF EQUIPMENT

Sl. No.	Description of Items	Unit	Quantity	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Installation and commissioning charges of all equipment at RHEP including all civil works and all other works deemed to be inclusive for successful completion of the job plus demonstration and training at site.	LOT	1	₹ 21,50,000.00	₹ 21,50,000.00	Rupees Twenty One lakh Fifty thousand

(3) FOR COMPREHENSIVE WARRANTY AND MAINTENANCE OF EQUIPMENT FOR A PERIOD OF 3 YEARS

Sl. No.	Description of Items	Unit	Quantity	Unit rate in INR	Total Amount in INR	Total Amount in INR in Words
A	B	C	D	E	F=D*E	G
1	Comprehensive Warranty and Maintenance of equipment for a period of 3 years at RHEP	Years	3	₹ 14,00,000.00	₹ 42,00,000.00	Rupees Forty Two lakh

TOTAL FOR SERVICES (1 + 2 + 3)	**₹. 66,50,000.00**	**Rupees Sixty Six lakh Fifty thousand**
Add Taxes & Duties, IGST @18%	**₹. 11,97,000.00**	**Rupees Eleven lakh Ninety Seven thousand**
Total for SERVICES incl. taxes	**₹. 78,47,000.00**	**Rupees Seventy Eight lakh Forty Seven thousand**

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD

(A GOVT. OF INDIA ENTERPRISE)

OFFICE OF THE EXECUTIVE DIRECTOR (OPERATION AND MAINTENANCE)

BROOKLAND GWEPTONE TOWER NEW COLONY

SHILLONG-793003, MEGHALAYA

Website: http://neepco.co.in, E-mail: neepcoom@gmail.com, Phone: 0364-2226707

NO: NEEPCO/ED(O&M)/TECH-33/2019-20/ 198

Dated: 19/07/2019

To Whom It May Concern

CERTIFICATE OF COMPLETION

As per certificates issued by Project Authorities of RHEP & DHEP the completion of works of installation and commissioning of Dam Safety Monitoring Instruments and Establishment of Control Room against the Work "Dam Safety Monitoring System of all Commissioned Dams of NEEPCO" in respective sites have been completed on 11/02/2019, 20/02/2019 respectively as per terms and conditions of the Contract Agreement No. QP/C&P/F/E/e-tender/Dam/2021 dtd. 27/04/2018 by M/s Elcome Technologies Pvt. Ltd. Elcome House, A-06, Infocity, Sector-34, Gurgaon-122022, Haryana.

As per Completion Certificate issued by HOP dtd. 31/05/2019 the above work at both Dams at KHEP was completed on 05/12/2018. A MOM was drawn on 31/05/2019 between NEEPCO, M/s AIMIL and M/s Elcome Technologies Pvt. Ltd. and agreed that once NEEPCO will repair/replace old "Geotechnical Instruments" the same will be integrated with the network by M/s Elcome Technologies Pvt. Ltd.

Further this is to certify that readiness of the control room, installation, configuration and control center at Shillong set-up that includes servers, display units, IT set up including back up servers etc. with initial training to the control room personnel were accomplished on 23rd August'2016.

On successful connection of all the Projects Centers to the Centralized Control Centre at Shillong, M/s Elcome Technologies Pvt., completed the entire jobs at Shillong Control Center on 3rd July'2019 as per terms and conditions of the above mentioned agreement.

Based on above Certificates of Completion at KHEP, RHEP & DHEP and completion of installation and commissioning of all the equipment at Central Control Centre, Shillong the final taking over certificate is hereby issued on 03/07/2019 to M/s Elcome Technologies Pvt. Ltd. Elcome House, A-06, Infocity, Sector-34, Gurgaon-122022, Haryana, in line of the stipulations of the Contract Agreement.

Issuance of the taking over certificate by the Purchaser shall not relieve the Contractor of any obligations which otherwise survive by the terms and conditions of the contract.

19/7/19

Deputy General Manager (E/M)
O/o the Executive Director (O&M)
NEEPCO Ltd. Shillong

Copy to: 1. Head of Department, Dam Monitoring, Shillong (for info)
2. Manager (E/M), RHEP (for info)

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI A.P-791119
होज सिविल मेंटेनेंस विंग, होज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP
ई-मेल /E-Mail ID:- hcmw2012@gmail.com दूरभाष/फो.- 03909-244204/244211

ISO9001, 14001
&
OHSAS 18001

File no: DGM(C)/HCMW/RHEP/T-6/2019-20/277 Dtd: 14/06/2019

To,

M/S T.R. Enterprises
RUB, Dist- Lower Subansiri,
Arunachal Pradesh.

Sub: *Construction of main entry gate with RCC wall for dikrong power house complex at hoz, A.P.*

Ref: NIT No. 06 of 2018-19/HCMW Dtd: 29/06/2018.

Dear Sir,

With references to the above, work for "*Construction of main entry gate with RCC wall for dikrong power house complex at hoz, A.P.*" The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) is pleased to place this order on you for execution of the work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Scope of work:** As per specification of items of work as laid down in bill of quantities.
2) **Value of Work:** ₹ 10, 93,703.00(Rupees Ten lakhs Ninety Three Thousand Seven Hundred and Three only).
3) **Time of completion:** 30 (Thirty) days from the date of issue of work order.
4) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
5) **Taxes, Duties, Levies:** The rates are inclusive of all taxes (i.e 1 % S.Cess and 18% GST) and remain firm till the completion of work.
6) **Goods & Service Tax (GST):** The work order amount is inclusive of GST. The rate of GST considered is 18 %(eighteen percent). Please provide your GST registration number in your bill, our GST nos is **12AAACN9991J4Z0.**
7) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
8) **Technical specification:** As per specification mentioned in the BOQ and as directed by the Engineer-in-charge.
9) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
10) **Defect Liability Period:** Defect liability period shall be of 12(Twelve) months from the date of completion of work .The contractor shall make good defects observed/ pointed out during the

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नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उपक्रम) (A Govt. of India Enterprise)

O/O THE SR. MANAGER (E/M) : PH&SY(O&M)

रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT

पोस्ट ऑफिस : रंगानदी परियोजना : P.O. : RANGANADI PROJECT

होज: अरुणाचल प्रदेश

HOJ: ARUNACHAL PRADESH -791119

Ph No. 03809-241045 (O)

Fax No. 03809-244722

E-mail: tanvatazi@rediffmail.c.

ISO 9001: 2008 OHSAS 45001

No. RHEP/SR.M(E)/PH&SY(O&M)/T-26(M)/18-19/ 3944 Date 21/02/2019.

To,

M/s Area 27
Sun City Apartment, Block B,
3rd Floor, Room No-3F Near Saraighat Petrol Pump,
Behind Nissan Datsun, Adabari,
Guwahati 781014, Assam, India

SUB :- **ORDER FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MOTORISED AUTOMATIC SLIDING GATE FOR DIKRONG POWER HOUSE STORE-1, RHEP**

Ref :- 1. Offer No. Area27/UT/17-18/00192 Dtd. 02.11.2018

Dear Sir(s),

The corporation is pleased to place this order for Supply, Installation, testing & commissioning of Motorised Automatic Slide Gate for Dikrong Power House Store-1 of Ranganadi HE Plant, Hoz, Arunachal Pradesh as per following:

1. Scope of work
2. Terms & Conditions
3. Schedule of Prices & quantity : Annexure-A
4. Technical Specification : Annexure-B
5. General Arrangement Drawing : Annexure-C
6. Performance Bank Guarantee : Annexure-D

1. **SCOPE OF WORK**

The scope of work under this contract shall include & not limited to the following.

1.1 Scope of Supply: The scope of work under this contract shall include supply of Came-Italy Make Motorised Automatic Slide Gate including accessories for Dikrong Power House Store-1 ,Ranganadi HE Plant, Hoz, Arunachal Pradesh as per enclosed Schedule of Price Annexure-A, Technical specification –Annexure- B & General Arrangement Drawing-Annexure-C.

1.2 Installation & Commissioning: The Installation, Testing & Commissioning of Motorised Automatic Slide Gate shall be in the scope of contractor. The contractor shall provide all the materials, man power & Tools/Tackles, Civil Works required for completion of job.

However, Equipment like the Mobile Crane , power supply required for the completion of job shall be under the scope of Corporation.

Approved File

TERMS & CONDITIONS :

1. **PRICES:** The prices indicated in schedule of rates are at FOR site basis inclusive of GST as indicated in Annexure-A. The rates shall remain firm till completion of entire job.

2. **GOOD & SERVICE TAX (GST):**

(a) Supply Part: GST shall be paid extra on the supply parts at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill.

(b) Service Part: GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18% Please provide your GST number in the bill.

Our GSTIN No-12AAACN9991J4Z0.

Contd P-2

3. **ORDER VALUE:** ₹ 7,74,106.00 (Rupees Seven Lakh Seventy Four Thousand One Hundred Six) only inclusive of GST as indicated in Annexure-A.

4. **TERMS OF PAYMENT :**

Supply Part : (a) 80%(Eighty percent) payment shall be made after receipt of material at site in full & good condition.

(b) 10% (ten percent) payment shall be released after successful testing & commissioning of the Sliding Gate to the full satisfaction of the corporation and

(c) Balance 10% (Ten Percent) shall be released on submission of Performance Bank Guarantee (PBG) of equivalent amount which shall cover one month more than the guarantee/warranty period. PBG form is enclosed in Annexure-D.

Service Part:100% (hundred percent) payment against services shall be released after successful testing & commissioning of the Motorised Automatic Sliding Gate to the full satisfaction of Engineer In-charge.

You are requested to submit the following details along with your bill for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit)
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

5 **TECHNICAL SPECIFICATION:** Technical specification shall be as per Annexure – B.

6. **DRAWING:** The General arrangement drawing of gate shall be as per Annexure-C

7. **FREIGHT & INSURANCE:** Freight Charges shall be paid extra ₹ 40,000.00 (Rupees Forty Thousand Only) for transportation of material from the works to Dikrong Power House, Hoj.The supplier shall be responsible for delivering the materials at Ranganadi Power House Site in full & good condition. No extra Claim for Transportation of material beyond this amount shall be entertained.

Transit Insurance of materials shall be covered under our open marine policy No. 530104211502000000002 (Marine Cargo) of New India Assurance Co. Ltd., North Lakhimpur (Assam), Email ID-nla.530104@newindia.co.in. Please intimate the above under write the details of dispatch with a copy to this office.

8. **DELIVERY :** Delivery of material shall be completed within 2 (Two) months from the date of issue of this order. All efforts should be made to deliver the materials as early as possible.

9. **TIME OF COMPLETION OF WORK:** Installation, commissioning & testing shall be completed within 2 (Two) month from the date of receipt of materials at site or handing over of site whichever is later. The corporation shall intimate the supplier on receipt of materials & readiness of site.

10 **ACCOMODATION:** Available accommodation for your installation team shall be provided at project site free of cost . However, fooding charges shall be to your account.

11 **MANNUALS:** The supplier shall also provide 03 (Three) sets of operation & maintenance manuals of the Came Italy Make Motor and its accessories.

Contd...P/3

12 **GUARANTEE/WARRANTEE:** The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/ replacement free of cost by the supplier. All incidental cost of such repair/ replacement shall be to the supplier's account. If any defect be not remedied/replaced within a reasonable time the purchaser may proceed that material at supplier's risk and expenses.

13 **CONSIGNEE: Supply Part:** Manager (E), Power House Store, Ranganadi HE Plant, NEEPCO Ltd, Hoj, Papum Pare Dist., Arunachal Pradesh.

Service Part: The Manager (El), PH & SY (M), RHEP, Hoj (Yayee) , Papumpare Dist, Arunachal Pradesh.

14 **PAYING AUTHORITY:** Sr. Manager (Fin), F&A Wing , RHEP , NEEPCO Ltd, Yazali , Arunachal Pradesh.

15 **FORCE MAJEURE** : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

16 **LIQUIDATED DAMAGE:** If the firm fail to supply the material & execute the retrofitting work within the stipulated time as mentioned in this order than the corporation reserves the right to levy liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the supply & work or part thereof per week subject to maximum of five 5% (five percent) of the total value of the order.

17 **ARBITRATION** . Any dispute in respect of which :

a. The decision, if any, of the Engineer-in-Charge has not become final.
b. Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act. No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt & acceptance of this order for our record.

Thanking you.

Yours faithfully,

(Tanya Taji) 3/12/15
Sr. Manager (E)
PH & SY (O&M), RHEP,
NEEPCO Ltd. Hoz. AP

Contd...P/4

MEMO NO. RHEP/SR.M (E)/PH&SY(O&M)/T -26(M)/2018 -19/ 3457- 59 Date : 21/02/19

Copy to :-

1. The Head of Project, RHEP - for favour of kind information please. This has reference to his approval conveyed vide U.O. No. 3150 Dtd. 18.02.19
2. The D.G.M.(E/M), RHEP - for favour of kind information please. This has reference to his note conveyed vide U.O. No. 1691 Dtd. 19.02.19
3. The Sr. Manager (Fin), RHEP - for information & necessary action please. A copy of approval of competent authority is enclosed herewith for ready reference.
4. The Manager(E), PH store, RHEP, Hoj- for information & necessary action please. He is requested to coordinate with the firm for early supply of materials.
5. The Manager (E), PH &SY(M) , RHEP, Hoj - for information & necessary action please.
6. The Manager (C), Vigilance Wing, RHEP for information please.

Sr. Manager (E),
PH & SY (O&M) RHEP.

Annexure-A

(Schedule of Prices & Quantity)

A. Supply Part

Sl. No.	Description of Items	Qty	Rate(₹)	Amount (₹)
1	New Sliding Gate Fabrications Size H-5.8 Mtrs & W-4.10 Mtrs. (i) MS Hollow Section Bar=100X50 mm (ii) MS Sheet=2mm Make-Tata (iii) MS Hollow Section Design bar in middle 50X50 mm (iv) With double coating of red oxide. MS pillar for gate and supporting accessories. (v) MS Joist Pillar (vi) MS Joist Base (vii) Wheel -4 pieces. (viii) Upper roller Wheel-8 pieces	24 Sq M	12800.00	307200.00
2	Professional Sliding Gate Automation Mechanism (BK-2200), IP 54 protection, Intensive use, 24V DC, Professional series, self lubrication system, heavy duty, for gates up-to 2200Make: Came- Italy	01 No	190000.00	190000.00
3	Photo cells for Safety (Pair) Make-came-Italy	01 No	9000.00	9000.00
4	Remote Controller RF Based Make-came-Italy	01 No	4426.00	4426.00
5	Antenna for receiver Range Enhancing Make-came-Italy	01 No	3821.00	3,821.00
6	Flashing Safety Alarm Light Make-came-Italy	01 No	7190.00	7,190.00
7	Galvanised V-Rack (1 Mtr) Make-came-Italy	05 Nos	3982.00	19910.00
8	RF card for connecting Remote Make came-Italy	01 Nos	6000.00	6000.00
9	Manual Push Button on the Inside	01 Nos	1875.00	1875.00
			Total ₹	5,49,422.00
			Transportation Charges in ₹	40000.00
			Total ₹	5,89,422.00
			Add GST @ 18% ₹	1,06,095.96
			Total ₹	6,95,517.96
			Say Tota ₹	6,95,518.00

B. Service Part

Sl. No.	Description of Items	Qty in No	Rate(₹)	Amount (₹)
1	Installation, Testing, commissioning & professional Engineering charges	01	55,000.00	55,000.00
2	Civil Engineering & Construction Charges	01	50,000.00	50,000.00
			Total ₹	1,05,000.00
			Add GST @ 18% ₹	18,900.00
			Total ₹	1,23,900.00
			Gross total (Supply Part + Service Part) ₹	8,19,418.00

(Rupees Eight Lakh Nineteen Thousand Four Hundred Eighteen) only

Sr. Manager (E),
PH & SY (O&M) RHEP.

TECHNICAL SPECIFICATION

Complete automation systems with 230V A.C. motor

BKE-2200 :-Automation system complete with control board, radio decoder, encoder-based movement Control for sliding gates of up to 2,200 Kg / 4,850 lb and 13 m / 42.65 ft with module 6 pinion.
Automation system with 230-400V A.C. 3-phase
BK-2200 Operator with module 6 pinion.
Control panels for 230-400V A.C. 3-phase operator
ZT6 Control panel with built-in radio decoder and self-diagnosing safety devices.
ZT6C Control panel, complete with safety block and buttons, including a built-in radio decoder and self-diagnosing safety devices.

Accessories
R001 Lock cylinder with DIN key.
B4353 Chain transmission device.
OCT 1/2" in simple chain for B4353.
OGIU Joint for 1/2"in chain.
OGZ Galvanized rack in rolled steel 22 x 22 mm 0.86 x 0.86 in module 4.
OGZS Galvanized rack in rolled steel 30 x 8 mm 1.18 x 0.31 in module 4 with securing holes and spacers.
OGZ6 Galvanized rack in rolled steel 30 x 30 mm 1.18 x 1.18 in module 6

Technica. Information of BK-2200:
WEIGHT-21Kg
POWER SUPPLY-230V AC
CURRENT-5.1Amps
POWER-580Watt
DUTY CICLE-50%
MAX TORQUE-54Nm
REDUCTION RATIO-1/31
PUSH-1500N
MAX SPEED-10.5m/min
CONDENSER-35µF
PROTECTION LEVEL-IP54
OPERATINGTEMPERATURE-(-)20deg C (+) 55Deg C
Max Weight of Gate Leaf -2200Kg
Max Length of Gate Leaf-20Mtr.

Gearmotor:

The BK-BKE gearmotor is designed to automate sliding gates for residential and condominium complexes The BK BKE gearmotor is designed and built by CAME CANCELLI AUTOMATICI S.p.A. and it meets the safety standards in force. The case consists partly of cast aluminium, inside of which operates the non-reversible electromechanical gearmotor, and partly of a covering in ABS plastic inside of which is an electronic card and the transformer.

BK-BKE 2200 -- Automated unit with M6 pinion module, max capacity 2200 kg;
The BK-BKE gear motor may be supplied with complementary accessories such as:
001 R001 - Lock cylinder with DIN keys;
001 BSF - Braking device for gates installed on a sloping surface;
001 BRCS/10/15 - Power supply cable winding device for sensitive safety profiles;
001 B4353 - Chain transmission device;
009 OGZ - Galvanized steel 22 x 22 Module 4 rack;
009 OGZS - Galvanized steel 30 x 8 module 4 rack with fastening screws, holes and supports;
009 OGZ6 - 30 x 30 Module M6 galvanised rack made of laminated steel for BK2200 and BKE2200 automated units;
009 OCT - Simple 1/2" chain;
009 OGIU - 1/2" chain joint.

Corporate Office: Lower New Colony, Shillong – 793 009
Website : www.pedco.co.in ::CIN – U40101ML1976GOI001658

Control Board Specification

The control board is powered with (120V A.C. or 230V A.C.) across terminals L and N and is protected by fuse on the main Power line.

The control systems are powered by low voltage (24V) and protected by a 1A fuse.

The total power consumption of the 24V accessories must not exceed 20W.

The operating time (interval) is fixed at 150 seconds.

The photocells can be connected and set to re-open during the closing phase, re-open during the opening phase, partial stop,

total stop and obstacle sensing when motor is not running.

Note: If a normally closed safety contact (2-C1, 2-CX o 1-2) is opened, this is indicated by the flashing LED (ref. point 9, ma

in components).

The ZBKE board autonomously controls a safety function that senses any obstacles which:

- when opening, stops the gate and triggers automatic closing;
- when closing, inverts the direction of movement of the gate until it is fully opened and consequently, automatically closes it

The board also includes other selectable functions, such as: automatic closing, partial opening, pre-flashing of the opening and closing phases, "maintained action movement", phase or courtesy lamp, partial stop or re-closing during opening phase, master-slave and the following command: open-stop-close-stop, open-close-inversion or only open. The automatic closing and partial opening times are adjustable.

Sr. Manager (E),
PH & SY (O&M) RHEP,

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उपक्रम) (A Govt. of India Enterprise)

O/O THE SR. MANAGER (E/M) : PH&SY(O&M)

रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT

पोo ओo : रंगानदी परियोजना : P.O. : RANGANADI PROJECT

होजें; अरुणाचल प्रदेश

HOJ: ARUNACHAL PRADESH -791119

Ph No. 03809-244434b (O)

Fax No. 03809-244222

E-mail: tamvlack@rediffmail.c

ISO 9001: 14001: OHSAS 18001

No. RHEP/SR.M(E)/PH&SY(O&M)/T-26(M)/18-19/ 3946 2 Date 23-01-/2019.

To,

M/s Area 27
Sun City Apartment, Block B,
3rd Floor, Room No-3F Near Saraighat Petrol Pump,
Behind Nissan Darsun, Adabari,
Guwahati 781014, Assam, India

FY 2019-2020
Annexure-24

SUB :- **ORDER FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MOTORISED AUTOMATIC SLIDING GATE FOR DIKRONG POWER HOUSE STORE-2, RHEP**

Ref :- 1. Offer No. Area27/UT/17-18/00193 Dtd. 02.11.2018

Dear Sir(s),

The corporation is pleased to place this order for Supply, Installation, testing & commissioning of Motorised Automatic Slide Gate for Dikrong Power House Store-2 of Ranganadi HE Plant, Hoz, Arunachal Pradesh as per following:

1. Scope of work
2. Terms & Conditions
3. Schedule of Prices & quantity : Annexure-A
4. Technical Specification : Annexure-B
5. General Arrangement Drawing : Annexure-C
6. Performance Bank Guarantee : Annexure-D

1. **SCOPE OF WORK**

The scope of work under this contract shall include & not limited to the following.

1.1 Scope of Supply: The scope of work under this contract shall include supply of Came-Italy Make Motorised Automatic Slide Gate including accessories for Dikrong Power House Store-2 ,Ranganadi HE Plant, Hoz, Arunachal Pradesh as per enclosed Schedule of Price Annexure-A, Technical specification –Annexure- B & General Arrangement Drawing-Annexure-C.

1.2 Installation & Commissioning: The Installation, Testing & Commissioning of Motorised Automatic Slide Gate shall be in the scope of contractor. The contractor shall provide all the materials, man power & Tools/Tackles, Civil Works required for completion of job.

However, Equipment like the Mobile Crane , power supply required for the completion of job shall be under the scope of Corporation.

Approved file

TERMS & CONDITIONS :

1. **PRICES:** The prices indicated in schedule of rates are at FOR site basis inclusive of GST as indicated in Annexure-A. The rates shall remain firm till completion of entire job.

2. **GOOD & SERVICE TAX (GST):**

(a) Supply Part: GST shall be paid extra on the supply parts at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill.

(b) Service Part: GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill.

Our GSTIN No-12AAACN9991J4ZD.

Contd P-2

3. **ORDER VALUE:** ₹ 7,74,106.00 (Rupees Seven Lakh Seventy Four Thousand One Hundred Six) only inclusive of GST as indicated in Annexure-A.

4. **TERMS OF PAYMENT :**

Supply Part : (a) 80%(Eighty percent) payment shall be made after receipt of material at site in full & good condition.

(b) 10% (ten percent) payment shall be released after successful testing & commissioning of the Sliding Gate to the full satisfaction of the corporation and

(c) Balance 10% (Ten Percent) shall be released on submission of Performance Bank Guarantee (PBG) of equivalent amount which shall cover one month more than the guarantee/warranty period. PBG form is enclosed in Annexure-D.

Service Part: 100% (hundred percent) payment against services shall be released after successful testing & commissioning of the Motorised Automatic Sliding Gate to the full satisfaction of Engineer In-charge.

You are requested to submit the following details along with your bill for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit)
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

5. **TECHNICAL SPECIFICATION:** Technical specification shall be as per Annexure – B.

6. **DRAWING:** The General arrangement drawing of gate shall be as per Annexure-C

7. **FREIGHT & INSURANCE:** Freight Charges shall be paid extra ₹ 40,000.00 (Rupees Forty Thousand Only) for transportation of material from the works to Dikrong Power House, Hoj.The supplier shall be responsible for delivering the materials at Ranganadi Power House Site in full & good condition. No extra Claim for Transportation of material beyond this amount shall be entertained.

Transit Insurance of materials shall be covered under our open marine policy No. 530104211500000002 (Marine Cargo) of New India Assurance Co. Ltd., North Lakhimpur (Assam), Email ID-nla.530104@newindia.co.in. Please intimate the above under writer the details of dispatch with a copy to this office.

8. **DELIVERY :** Delivery of material shall be completed within 2 (two) months from the date of issue of this order. All efforts should be made to deliver the materials as early as possible.

9. **TIME OF COMPLETION OF WORK:** Installation, commissioning & testing shall be completed within 2 (Two) month from the date of receipt of materials at site or handing over of site whichever is later. The corporation shall intimate the supplier on receipt of materials & readiness of site.

10 **ACCOMODATION:** Available accommodation for your installation team shall be provided at project site free of cost . However, fooding charges shall be to your account.

11 **MANNUALS:** The supplier shall also provide 03 (Three) sets of operation & maintenance manuals of the Came Italy Make Motor and its accessories.

Contd...P/3

12 **GUARANTEE/WARRANTEE:** The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/ replacement free of cost by the supplier. All incidental cost of such repair/ replacement shall be to the supplier's account. If any defect be not remedied/replaced within a reasonable time the purchaser may proceed that material at supplier's risk and expenses.

13 **CONSIGNEE: Supply Part:** Manager (E), Power House Store, Ranganadi HE Plant, NEEPCO Ltd, Hoj, Papum Pare Dist., Arunachal Pradesh.

Service Part: The Manager (El), PH & SY (M), RHEP, Hoj (Yayee) , Papumpare Dist, Arunachal Pradesh.

14 **PAYING AUTHORITY**: Sr. Manager (Fin), F&A Wing , RHEP , NEEPCO Ltd, Yazali , Arunachal Pradesh.

15 **FORCE MAJEURE** : The term "Force Majeure" shall, herein, mean Riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

16 **LIQUIDATED DAMAGE:** If the firm fail to supply the material & execute the retrofitting work within the stipulated time as mentioned in this order than the corporation reserves the right to levy liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the supply & work or part thereof per week subject to maximum of five 5% (five percent) of the total value of the order.

17 **ARBITRATION** : Any dispute in respect of which :

a. The decision, if any, of the Engineer-in-Charge has not become final.
b. Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act, No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt & acceptance of this order for our record.

Thanking you.

Yours faithfully,

(Tanka Tajo)
Sr. Manager (E)
PH & SY (O&M), RHEP,
NEEPCO Ltd. Hoz. AP

Contd...P/4

MEMO NO. RHEP/SR.M (E)/PH&SY(O&MM)/T -26(M)/2018 -19/ 3763 - 69 Date : 22/02/19

Copy to :-

1. The Head of Project, RHEP - for favour of kind information please. This has reference to his approval conveyed vide U.O. No. 3151 Dtd. 18.02.19
2. The D.G.M.(E/M), RHEP - for favour of kind information please. This has reference to his note conveyed vide U.O. No. 1692 Dtd. 19.02.19
3. The Sr. Manager (Fin), RHEP - for information & necessary action please. A copy of approval of competent authority is enclosed herewith for ready reference.
4. The Manager(E), PH store, RHEP, Hoj- for information & necessary action please. He is requested to coordinate with the firm for early supply of materials.
5. The Manager (E), PH &SY(M) , RHEP, Hoj - for information & necessary action please.
6. The Manager (C), Vigilance Wing, RHEP for information please.

Sr. Manager (E)
PH & SY (O&M) RHEP.

(Schedule of Prices & Quantity)

A. Supply Part

Sl. No.	Description of Items	Qty	Rate(₹)	Amount (₹)
1	New Sliding Gate Fabrications Size H-5.8 Mtrs & W-3.6 Mtrs. (i) MS Hollow Section Bar=100X50 mm (ii) MS Sheet=2mm Make-Tata (iii) MS Hollow Section Design bar in middle 50X50 mm (iv) With double coating of red oxide, MS pillar for gate and supporting accessories. (v) MS Joist Pillar (vi) MS Joist Base (vii) Wheel -4 pieces. (viii) Upper roller Wheel-8 pieces	21 Sq M	12800.00	268800.00
2	Professional Sliding Gate Automation Mechanism (BK-2200), IP 54 protection, Intensive use, 24V DC, Professional series, self lubrication system, heavy duty, for gates up-to 2200Make: Came- Italy	01 No	190000.00	190000.00
3	Photo cells for Safety (Pair) Make-came-Italy	01 No	9000.00	9000.00
4	Remote Controller RF Based Make-came-Italy	01 No	4426.00	4426.00
5	Antenna for receiver Range Enhancing Make-came-Italy	01 No	3821.00	3,821.00
6	Flashing Safety Alarm Light Make-came-Italy	01 No	7190.00	7,190.00
7	Galvanised V Rack (1 Mtr) Make-came-Italy	05 Nos	3982.00	19910.00
8	RF card for connecting Remote Make-came-Italy	01 Nos	6000.00	6000.00
9	Manual Push Button on the inside	01 Nos	1875.00	1875.00
			Total ₹	5,11,022.00
			Transportation Charges in ₹	40000.00
			Total ₹	5,51,022.00
			Add GST @ 18% ₹	99183.96
			Tota ₹	6,50,205.96
			Say Tota ₹	6,50,206.00

B. Service Part

Sl. No.	Description of Items	Qty in No	Rate(₹)	Amount (₹)
1	Installation, Testing, commissioning & professional Engineering charges	01	55,000.00	55,000.00
2	Civil Engineering & Construction Charges	01	50,000.00	50,000.00
			Total ₹	1,05,000.00
			Add GST @ 18% ₹	18,900.00
			Total ₹	1,23,900.00
			Gross total (Supply Part + Service Part) ₹	7,74,106.00

(Rupees Seven Lakh Seventy Four Thousand One Hundred Six) only

Sr. Manager (E),
PH & ST (O&M) RHEP.

TECHNICAL SPECIFICATION

Complete automation systems with 230V A.C. motor

BKE-2200 :-Automation system complete with control board, radio decoder, encoder-based movement Control for sliding gates of up to 2,200 Kg / 4,850 lb and 13 m / 42.65 ft with module 6 pinion.
Automation system with 230-400V A.C. 3-phase
BK-2200 Operator with module 6 pinion.
Control panels for 230-400V A.C. 3-phase operator
7T6 Control panel with built-in radio decoder and self-diagnosing safety devices.
7T6C Control panel, complete with safety block and buttons, including a built-in radio decoder and self-diagnosing safety devices.

Accessories
R0C1 Lock cylinder with DIN key.
B4353 Chain transmission device.
CCT 1/2" in simple chain for B4353.
CGIU Joint for 1/2"in chain.
CGZ Galvanized rack in rolled steel 22 x 22 mm 0.86 x 0.86 in module 4.
CGZS Galvanized rack in rolled steel 30 x 8 mm 1.18 x 0.31 in module 4 with securing holes and spacers.
CGZ6 Galvanized rack in rolled steel 30 x 30 mm 1.18 x 1.18 in module 6

Technical Information of BK-2200:
WEIGHT-21Kg
POWER SUPPLY-230V AC
CURRENT-5.1Amps
POWER-580Watt
DUTY CICLE-50%
MAX TORQUE-54Nm
REDUCTION RATIO-1/31
PUSH-1500N
MAX SPEED-10.5m/min
CONDENSER-35µF
PROTECTION LEVEL-IP54
OPERATINGTEMPERATURE-(-)20deg C (+) 55Deg C
Max Weight of Gate Leaf -2200Kg
Max Length of Gate Leaf-20Mtr.

Gearmotor:

The BK-BKE gearmotor is designed to automate sliding gates for residential and condominium complexes The BK-BKE gearmotor is designed and built by CAME CANCELLI AUTOMATICI S.p.A. and it meets the safety standards in force. The case consists partly of cast aluminium, inside of which operates the non-reversible electro-mechanical gearmotor, and partly of a covering in ABS plastic inside of which is an electronic card and the transformer.

BK-BKE 2200 – Automated unit with M6 pinion module, max capacity 2200 kg;
The BK-BKE gear motor may be supplied with complementary accessories such as:
001 R001 - Lock cylinder with DIN keys;
001 BSF - Braking device for gates installed on a sloping surface;
001 BRC5/10/15 Power supply cable winding device for sensitive safety profiles;
001 B4353 - Chain transmission device;
009 CGZ - Galvanized steel 22 x 22 Module 4 rack;
009 CGZS - Galvanized steel 30 x 8 module 4 rack with fastening screws, holes and supports;
009 CGZ6 - 30 x 30 Module M6 galvanised rack made of laminated steel for BK2200 and BKE2200 automated units;
009 CCT - Simple 1/2" chain;
009 CGIU - 1/2" chain joint.

Control Board Specification

The control board is powered with (120V A.C. or 230V A.C.) across terminals L and N and is protected by fuse on the main Power line.

The control systems are powered by low voltage (24V) and protected by a 1A fuse.

The total power consumption of the 24V accessories must not exceed 20W.

The operating time (interval) is fixed at 150 seconds.

The photocells can be connected and set to re-open during the closing phase, re-open during the opening phase, partial stop,

total stop and obstacle sensing when motor is not running.

Note: if a normally closed safety contact (2-C1, 2-CX o 1-2) is opened, this is indicated by the flashing LED (ref. point 9, ma

in components).

The ZBKE board autonomously controls a safety function that senses any obstacles which:

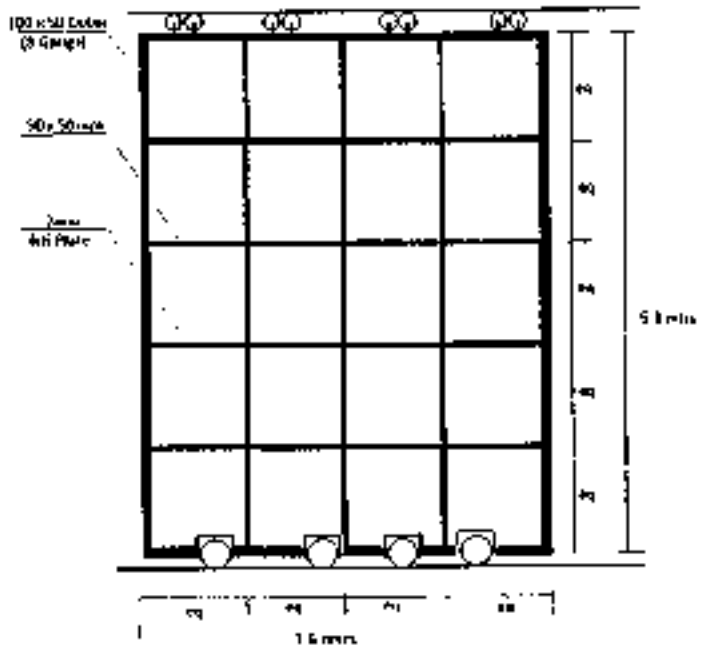
- when opening, stops the gate and triggers automatic closing;
- when closing, inverts the direction of movement of the gate until it is fully opened and consequently, automatically closes it

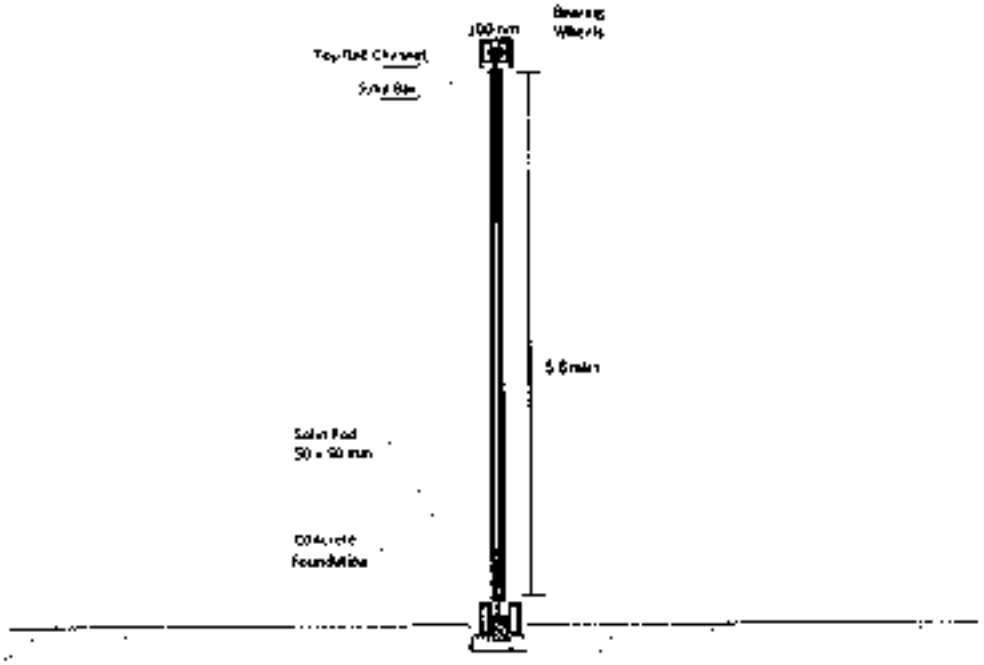
The board also includes other selectable functions, such as: automatic closing, partial opening, pre-flashing of the opening and closing phases, "maintained action movement", phase or courtesy lamp, partial stop or re-closing during opening phase, master-slave and the following command: open-stop-close-stop, open-close-inversion or only open. The automatic closing and partial opening times are adjustable.

Sr. Manager (C.)
PH & SY (Opn) BHEP

Annexure-B (Page-2 of 2)

Sketch 2





Sr. Manager (E) 7-2-19
PH & Sr (O&M) REEP

(i)Original PO No:RHEP/S(M(E)/PH&SY(O&M)/T26/2018-19/3944 Dated 21.02.2019
(ii)Material received at site on 06.06.2019

m3810:1

MATFIN, NEEPCO. RHEP
GOODS RECEIPT NOTE

Date :26/06/2019
PAGE: 1

VENDOR DETAILS	NAME OF CARRIER : ARUNACHAL CARRYING CORPORATION	GRN NO. 1C190055
NAME : AREA 27		
ADDRESS : SUNCITY APARTMENT, BLOCK-B 3RD FLOOR, R.NO-3F, NEAR SA RAIGHAT P/PUMP, ADABARI GUWAHATI 781014	CONS. NOTE NO. : 21:29743A CONS. NOTE DATE : 03/06/2019	GRN DATE 26/06/2019
CODE : A0226	CHALLAN NO. : 1856 CHALLAN DATE : 03/06/2019 INSURANCE BY : SUPPLIER	PO NO. 27NBJ056
VENDOR'S INVOICE NO : A27/19-20/07 VENDOR'S INVOICE DATE : 03/06/2019 M.I.R. REF. NO : 290055 RR/LR SERIAL NO. : 290057	FREIGHT PAID BY : SUPPLIER	PO DATE 26/06/2019

SL	MATL. CODE	MATERIAL DESCRIPTION	UOM	CHALLAN QTY	RCVD. QTY	ACPTD. QTY
1	2700210895	MS BAR, SHEET, ROLLER AND WHEEL ETC FOR NEW SLIDING DOOR 81	SH	24.000	24.000 ✓	24.000
2	2700210901	SLIDING GATE AUTOMATION MECHANISM 82	NO	1.000	1.000 ✓	1.000
3	2700210910	MANUAL OPERATING SWITCH 83	NO	1.000	1.000 ✓	1.000
4	2700210938	GI V-RACK 85	MR	5.000	5.000 ✓	5.000
5	2700210947	SAFETY PHOTO CELL 86	NO	1.000	1.000 ✓	1.000
6	2700210956	SAFETY FLUSHING LIGHT 87	NO	1.000	1.000 ✓	1.000
7	2700210965	RF BASE REMOTE CONTROLLER 88	NO	1.000	1.000 ✓	1 000
8	2700210974	RANGE ENHANCING RECEIVER ANTENNA 89	NO	1.000	1.000 ✓	1 000
9	2700210983	RF CARD FOR REMOTE 90	NO	1.000	1.000	1 000

REMARKS:

STORE KEEPER

STORE-IN-CHARGE

441

(:)Original PO No:RHEP/S&M(E)/PH&SY(O&M)/T28/2018-19/3962 Dated 22.02.2019 Page :1 of 1
(ii)Material received at site on 05.06.2019

m3810r1

MATFIN, NEEPCO, RHEP
GOODS RECEIPT NOTE

Date :26/06/2019
PAGE: 1

VENDOR DETAILS NAME : AREA 27 ADDRESS : SUNCITY APARTMENT,BLOCK-B 2ND FLLOR,H.NO-3F,NEAR SA FAIGHAT P/PUMP,ADABARI GUWAHATI 781014 CODE : A0226	NAME OF CARRIER : ARUNACHAL CARRYING CORPORATION CONS. NOTE NO. : 21:297498 CONS. NOTE DATE : 03/06/2019	GRN NO. 10190056 GRN DATE 26/06/2019 PO NO. 27NBJ057	
VENDOR'S INVOICE NO : A27/19-20/88 VENDOR'S INVOICE DATE : 03/06/2019 M.I.R. REF. NO : 290056 RH/LR SERIAL NO. : 290056	CHALLAN NO. : 1855 CHALLAN DATE : 03/06/2019 INSURANCE BY : SUPPLIER FREIGHT PAID BY : SUPPLIER	PO DATE 26/06/2019	

SL	MATL. CODE	MATERIAL DESCRIPTION	UOM	CHALLAN QTY	RCVD. QTY	ACCPD. QTY
1	2700210895	MS BAR,SHEET,ROLLER AND WHEEL ETC FOR NEW SLIDING DOOR	SM	21.000	21.000	21.000
2	2700210901	SLIDING GATE AUTOMATION MECHANISM	NO	1.000	1.000	1.000
3	2700210910	MANUAL OPERATING SWITCH	NO	1.000	1.000	1.000
4	2700210938	GI V-RACK	MR	5.000	5.000	5.000
5	2700210947	SAFETY PHOTO CELL	NO	1.000	1.000	1.000
6	2700210956	SAFETY FLOSHING LIGHT	NO	1.000	1.000	1.000
7	2700210965	RF BASE REMOTE CONTROLLER	NO	1.000	1.000	1.000
8	2700210974	RANGE ENHANCING RECEIVER ANTENNA	NO	1.000	1.000	1.000
9	2700210983	RF CARD FOR REMOTE	NO	1.000	1.000	1.000

REMARKS:

STORE KEEPER STORE-IN-CHARGE

-442-

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश / YAZALI, A.P-791119
पीएच डिविजन मेंटेनेंस विंग, हॉज, रहंग / HOZ Civil Maint. Wing, HOZ, RHEP
ई-मेल आईडी- hcmw2013@gmail.com दूरभाष नं.- 03909-244204/244211
ISO9001, 14001
&
OHSAS 18001

File no: DGM(C)/HCMW/RHEP/T-6/2019-20/ 618 Dtd: 14/11/2019

To,

M/S TANA SENKAM
HOJ, DIST. PAPUM PARE,
ARUNACHAL PRADESH.

Sub: *New Formation cutting for surge shaft road realignment at ch: 1000.00 to ch: 1180.00 from tri junction of surge shaft road and TAH at hoz, RHEP, A.P.*

Ref: NIT No. 05 of 2019-20/HCMW Dtd: 19/08/2019.

Dear Sir,

With references to the above, work for *"New Formation cutting for surge shaft road realignment at ch: 1000.00 to ch: 1180.00 from tri junction of surge shaft road and TAH at hoz, RHEP, A.P."* The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) is pleased to place this order on you for execution of the work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Scope of work:** As per specification of items of work as laid down in bill of quantities.
2) **Value of Work: Rs 15, 23,773.00**(Rupees Fifteen Lakha Twenty Three Thousand Seven Hundred and Seventy Three only).
3) **Time of completion: 30 (Thirty) days** from the date of issue of work order.
4) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
5) **Taxes, Duties, Levies:** The rates are inclusive of all taxes (i.e 1 % E.Cess and 18% GST) and remain firm till the completion of work.
6) **Goods & Service Tax (GST):** The work order amount is inclusive of GST. The rate of GST considered is 18 %(eighteen percent). Please provide your GST registration number in your bill. our GST no is **12AAACN9991J4Z0.**
7) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
8) **Technical specification:** As per specification mentioned in the BOQ and as directed by the Engineer-in-charge.
9) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
10) **Defect Liability Period:** Defect liability period shall be of 12(Twelve) months from the date of completion of work .The contractor shall make good defects observed/pointed out during the

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yazee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail. hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Akm wooden Furniture has completed the work," Construction of pemanent duty post at main entry gate of Dikrong Power House Complex at Hoj, RHEP, A.P." as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2019-20/808 dtd 02/12/2019, *in all respect on 28/09/2020 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश/YAZALI, A.P-791119
ISO9001, 14001 & OHSAS 18001
ई-मेल/E-Mail ID:- hcmw2012@gmail.com दूरभाष/Tel.- 03801-244304/244211

File no: DGM(C)/HCMW/RHEP/T-6/2019-20/ 245 Dtd: 20/12/2019

To,

M/S Akin Wooden Furniture
Yazali, Dist. Lower Subansiri,
Arunachal Pradesh.

Sub: ***Construction of permanent duty post at main entry gate of Dikrong Power House complex at Hoj, RHEP, A.P.***

Ref: NIT No. 10 of 2018-19/HCMW Dtd: 18/12/2018.

Dear Sir,

With references to the above, work for "*Construction of permanent duty post at main entry gate o, Dikrong Power House complex at Hoj, RHEP, A.P.*" The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) is pleased to place this order o you for execution of the work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Scope of work:** As per specification of items of work as laid down in bill of quantities.
2) **Value of Work: Rs 7, 57,767.00**(Rupees Seven lakhs Fifty Seven Thousand Seven Hundred and Sixty seven only).
3) **Time of completion: 60 (Sixty) days** from the date of issue of work order.
4) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
5) **Taxes, Duties, Levies:** The rates are inclusive of all taxes (i.e 1 % S.Cess and 18% GST) and remain firm till the completion of work.
6) **Goods & Service Tax (GST):** The work order amount is inclusive of GST. The rate of GST considered is 18 %(eighteen percent). Please provide your GST registration number in your bill, our GST no is **12AAACN9991H2Z0.**
7) **Compensation for delay:** If the work is not completed within the stipulated/ extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
8) **Technical specification:** As per specification mentioned in the BOQ and as directed by the Engineer-in-charge.
9) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
10) **Defect Liability Period:** Defect liability period shall be of 12(Twelve) months from the date of completion of work .The contractor shall make good defects observed/ pointed out during the

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defect liability period or completion of defect rectification work to the satisfaction of the Engineer-in-charge duly deducting any outstanding dues, if any, against the work.

11) **Mode of payment:** 90 %(ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

12) **Paying Authority:** The Dy. General Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

13) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.

14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to start the work immediately and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Yours sincerely

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2019 20/ 8807-17 Dtd 05/12/19

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information.
2) The G.M (c), RHEP, A.P for favour of kind information.
3) The Dy. General Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of comparative statement by HOP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, and A.P for information please.
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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BILL OF QUANTITY

Name of work: Construction of permanent duty post at main entry gate of Dikrong Power House Complex at Haj, RHEP, A.P.

NIT NO. 10/2018-19/HCMW dtd. 18/12/2018

Sl. No.	Item	Unit	Qntty	Rate	Amount
1	Earth Work:				
(i)	Earth work in excavation in foundation trenches not exceeding 1.50 m width or 10 Sq.m. on plan or drains not exceeding 1.50 m in width or 10 Sq.m. on plan including dressing of sides and ramming of bottoms, lift upto 1.50 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) Ordinary Soil	CuM	7.418	145.00	1075.61
(ii)	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	CuM	2.243	1705.00	3824.32
2	P. C. C				
(i)	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	1.189	8500.00	10106.50
3	R. C. C				
(i)	Reinforced concrete work in foundations, footings, bases of columns etc and mass concrete excluding cost of centring, shuttering and reinforcement in a) M20 (1 cement :1.5 coarse sand :3 stone aggregate 20 mm nominal size).	CuM	1.577	9530.00	15028.81
(ii)	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but exluding cost of centring, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	1.706	10790.00	18407.74
(iii)	Reinforced cement concrete work in lintels, beams and bresumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	4.066	10690.00	43454.85

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BILL OF QUANTITY

Sl. No.	Item	Unit	Qnty	Rate	Amount
(iv)	Reinforced cement concrete in suspended floors, roofs, landings and balconies upto floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring and shuttering and reinforcement with M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	6.684	10800.00	72187.20
(v)	Reinforced cement concrete in chajjas exceeding 15mm in thickness upto floor two level including centring and shuttering complete but excluding the cost of reinforcement with M20(1cement: 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	1.566	2670.00	4181.22
(vi)	Reinforced cement concrete work in stair cases (excluding landing) except spiral cases including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface, preparing of the top surface and finishing, nosing upto floor two level but excluding the cost of centring,shuttering and reinforcement with M20 (1cement : 1.5 coarse sand . 3 stone aggregate 20mm nominal size)	CuM	1.683	11800.00	19859.40
4	D, P, C				
(i)	Providing and laying damp proof course 38 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 12.5 mm nominal size).	SqM	2.94	365.00	1073.10
5	Shuttering and Form Work:				
	Centring and shuttering including strutting, propping etc and removal of form work for :				
(i)	Foundation, footings, bases of columns etc. and mass	SqM	5.40	365.00	1971.00
(ii)	Suspended floors, roofs, landings shelves and their supports, balconies and chajjas (3.5 m height).	SqM	69.64	760.00	52926.40
(iii)	Lintels, beams, girders, bressumers and cantilevers etc.	SqM	47.18	480.00	22646.40
(iv)	Column, pillars, posts and struts etc.	SqM	27.30	615.00	16789.50
(v)	Stairs (excluding landings) except spital stair cases.	SqM	6.18	510.00	3151.80
6	Ceiling				
(i)	Providing best available local wood (Class - D II) work in frames of false ceiling, partitions and trusses etc sawn and put up in position.	Tencudm	19.60	485.00	9457.50

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BILL OF QUANTITY

Sl. No.	Item	Unit	Qntty	Rate	Amount
(ii)	Providing and fixing 12 mm thick unveneered teak wood particle board of approved quality with necessary nails etc. complete (frame work to be paid separately).	SqM	9.75	960.00	9360.00
(iii)	Providing and fixing plain, square edged wooden beading 36 mm x 12 mm section with screws of approved quality for ceiling. a) Best local approved quality wood.	Mtr	43.60	75.00	3270.00
(iv)	Extra for making chamfered edges of beading.	Mtr	43.60	10.00	436.00
7	Brick Work:				
(i)	Brick work with best available local bricks in foundations and plinth in cement morter 1:4 (1 cement : 4 fine sand).	Cum	1.314	10170.00	13363.38
(ii)	Half brick masonry (with best available local bricks) in cement morter 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	SqM	43.40	1270.00	55118.00
(iii)	Extra for half brick masonry in superstructure above plinth level and up to floor two level.	SqM	43.40	40.00	1736.00
8	Aluminum works				
(i)	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion bold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for seperately) :Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	76.290	500.00	37645.00
(ii)	For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	35.312	580.00	20480.96

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BILL OF QUANTITY

Sl. No.	Item	Unit	Qntty	Rate	Amount
(III)	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item) :With float glass panes of 5.50 mm thickness	Sqm	12.98	1345.00	17458.10
(IV)	Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. Complete as per direction of Engineer-in-charge Anodized (AC 15) aluminium	Each	2.00	85.00	170.00
(V)	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 3315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto126 kg. for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc complete as per the direction of Engineer-in-charge.With brass cover plate minimum 1.25 mm thickness	Each	1.00	2100.00	2100.00
9	**Steel Work**				
	Reinforcement of RCC work including bending, binding and placing in position complete.				
(i)	Tar/ TMT steel	Kg	1490.295	95.00	141578.03
10	**Plastering:**				
(i)	15 mm cement plaster 1 : 4 (1 cement : 4 fine sand) on the rough side of single or half brick wall.	SqM	46.17	220.00	10157.40
(ii)	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	SqM	89.24	190.00	16955.60
11	**Tiles**				
(i)	Providing and laying pressed clay tiles (as per approved pattern 20mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral waterproofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.	SqM	49.26	450.00	22167.00
(ii)	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), including grouting the joints with white cement and matching pigments etc.,complete b) Size of Tile 600x600 mm	SqM	20.61	1870.00	38553.70

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BILL OF QUANTITY

Sl. No.	Item	Unit	Quity	Rate	Amount
(iii)	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete b) Size of Tile 600x600 mm	SqM	10.05	1800.00	18090.00
12	Painting:				
(i)	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	SqM	102.87	120.00	12344.40
(ii)	Distempering (two or more coats) with oil bound washable distemper of approved brand and manufacture and of required shade on new work over and including a priming coat with distemper primer of approved brand and manufacture to give an even shade.(interior walls)	SqM	75.91	90.00	6831.90
(iii)	Applying one coat of cement primer of approved brand and manufacture on wall surface.	SqM	92.43	35.00	3235.05
(iv)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.	SqM	92.43	170.00	15713.10
(v)	Applying priming coat with ready mixed pink primer of approved brand and manufacture on wood work complete.	SqM	9.76	35.00	341.25
(vi)	Painting two or more coats with enamel paint of approved brand and manufacture in any shade on new work to give an even shade.	SqM	9.76	80.00	780.80
13	Plinth Protection:				
(i)	Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement :3 coarse sand : 6 stone aggregate using 20 mm nominal size) over 75 mm bed of stone ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	SqM	10.44	600.00	6264.00
				Total	7,57,707.74
				Say ₹	7,57,707.00

(Rupees Seven Lakhs Fifty Seven Thousand Seven Hundred and Sixty Seven only)

[illegible]
ASSISTANT ENGINEER (Civil)
[illegible]
Arunachal Pradesh

[illegible]

Page 5 of 5

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ISO 9001:2008
ISO 14001:2004 & BS OHSAS 18001:2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yuyee, A.P.
Office: Tel 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Akin wooden Furniture has completed the work," Construction of pemanent duty post at main entry gate of Dikrong Power House Complex at Hoj, RHEP, A.P." as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2019-20/808 dtd 02/12/2019, *in all respect on 28/09/2020 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/O THE DGM (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ओ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होजं: अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791 119

Ph No. 03809 214046 (O)
Fax No. 03809-214222
e-mail: tarwatazid@rediffmail.com

No. RHEP/DGM(E/M)/PH&SY(O&M)/T-41(M)/2019-20/ Dated the

To,

M/s Everlite Engineering Industries
Everlite House , P.O. Panitola
Dist.: Tinsukia , Assam – 786 183

Kind Attn : Mr. Virendra Singh

SUB : ORDER FOR SUPPLY, INSTALLATION, TESTING & COMISSIONING OF GE MAKE NUMERICAL LINE DIFFERENTIAL PROTECTION P543 RELAY IN 132KV PARE-1 & PARE-2 FEEDER OF RANGANADI H.E. PLANT.

Ref: Offer No. PCP/ER/RET/AM/NEEPCO/RHEP/10098/2019 Dtd 04.02.2020

Dear Sir(s),

The corporation is pleased to place this order for supply, installation , testing & commissioning of GE Make P543 Relay for Line Differential Protection in 132KV Pare-I & 132KV Pare-2 Feeder of Ranganadi HE Plant as per schedule of rates & quantity indicated in Annexure-A, Technical specification indicated in Annexure-B, scope of work. , terms and conditions indicated below.

TERMS & CONDITIONS:

1.SCOPE OF WORK :

A. Supply Part: Scope of work under supply part shall include Supply of relay for 132KV Pare-I & 132KV Pare-2 Feeder Line Differential Protection as mentioned below:

Sl. No	Description	Quantity
1	GE Make Numerical Line Differential Relay type Micom P54391AC6M40790M on IEC 61850 Protocol along with IRIG-B Port ,	2 Nos

B. Service Part: Scope of work under servicing shall include the following:

i) Design and RE- Engineering for the Protection Scheme.
ii) Removal of existing Distance Protection Relay from 132KV Pare-I & 132KV Pare-2 Panel.
iii) Mounting and Wiring of New Protection Schemes.
iv) Testing & Commissioning of New protections Schemes.
v) Providing training on Protection Scheme offered for this project during commissioning.
vi) Supply of Required Wiring materials and Blanking Plates for Mounting and wiring of Protective scheme during site activities.

Following works are not included in this scope of work:
1. Supply and Termination of Cables outside to the protection panels.

2. **TECHNICAL SPECIFICATION:** Technical specification shall be as per Annexure – B.

3. **PRICES:** The prices are FOR Ex. Chennai basis inclusive of Freight & Insurance charges and GST. The rates shall remain firm till completion of entire job.

4. **ORDER VALUE:** ₹ 12,95,168.00 (Rupees Twelve Lakh Ninety Five Thousand One Hundred Sixty Eight) only inclusive of GST as indicated in Annexure A.

Contd..P/2

5. **FREIGHT & INSURANCE**: Freight & Insurance Charges shall be paid extra @ 3% (Three p the basic cost of the materials. The material shall be despatch through any reputed courier/tru to the address of consignee up to North Lakhimpur, Assam 787 001 or Naharlagun, AP-791110.

Transit Insurance of the material is under the scope of supplier. The consignment shall be duly in for transit before dispatch. However entry tax for the state of Arunachal Pradesh shall be borne Corporation.

6. **GOOD & SERVICE TAX (GST):**
(a) Supply Part: GST shall be paid extra on the supply parts at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill.
(b) Service Part: GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18% Please provide your GST number in the bill.
Our GSTIN No-12AAACN9991J4ZO.

7. **PAYMENT :**
   1. SUPPLY PART: (i) 90 % (ninety percent) payment shall be released after receipt of materials in full & good condition at site.
      (ii) Balance 10% (ten percent) payment shall be made on submission of equivalent amount BG which shall be valid for one month more than the guarantee/warranty period
   2. SERVICES: 100% (hundred percent) payment against services shall be released successful testing & commissioning of the scheme & full satisfaction of engineer in-charge.

You are requested to submit the following details along with your bill for effecting e-payment

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit)
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

8. **DELIVERY:** Delivery of material shall be completed within 10 (Ten) weeks from the date of issue of this order. All efforts should be made to deliver the materials as early as possible. However erection and commissioning shall as per clause 9 of this order.

9. **TIME OF COMPLETION OF WORK:** The job for the Differential Protection installation work should be completed within 4 weeks on intimation after the receipt of materials at site. However Intimat from the site will be given well in advance to you after the receipt of material at site and subjected to approval shutdown planned of plant.

10. **ACCOMMODATION :** Local Conveyance and accommodation for your engineers shal be provided at our guest house free of cost. However, fooding charges shall be to your account.

11. **DRAWINGS / MANNUALS:** The supplier shall supply 06 (six) sets of operation & maintenance manuals of the supplied relays. Complete modified schematic & wiring drawings inducing engineering drawings of the adopted scheme is to be submitted in 06 (six) sets.

12. **GUARANTEE/WARRANTEE:** The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/ replacement free of cost by the supplier. All incidental cost of such repair/ replacement shall be to the supplier's account. If any defect be not remedied/replaced within a reasonable time the purchaser may proceed that material at supplier's risk and expenses

Contd...P/3

i **CONSIGNEE:** Supply Part: The Manager (El), PH Store , RHEP, Hoj (Yayee) , Papumpare Dist, Arunachal Pradesh.

. Service Part: The Manager (El), PH & SY (M), RHEP, Hoj (Yayee) , Papumpare Dist, Arunachal Pradesh.

14. **PAYING AUTORITY:** DGM(Fin), F&A Wing , RHEP , NEEPCO Ltd, Yazali , Arunachal Pradesh.

15. **FORCE MAJEURE :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

16. **LIQUIDATED DAMAGE:** If the firm fail to supply the material & execute the retrofitting work within the stipulated time as mentioned in this order then the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the supply & work or part thereof per week subject to maximum of five 5% (five percent) of the total value of the order.

17. **ARBITRATION :** Any dispute in respect of which :

   b. The decision, if any, of the Engineer-in-Charge has not become final.

   c. Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act. No.26 of 1956) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge the receipt & acceptance of this order for our record.

Thanking you.

Yours faithfully,

(Tanya Taji)
DGM (E/M)
PH & SY (O&M), RHEP,
NEEPCO Ltd, Hoj, AP

Memo NO. RHEP/DGM(E/M)/PH&SY(O&M)/T-41(M)/19-20/ Date :

Copy to :-

1. M/s GE T&D India Ltd, DLF IT PARK, Premises No 08, Major Arterial Road, Block -AF, Tower -C,6th Floor,New Town ,Rajarhat,700156 KOLKATA, Tel No. 033-40097050, Fax. 033-40097043/033-40097063. Kind Attn. Angsu Mukarjee

DGM (E/M)
PH & SY (O&M), RHEP,
NEEPCO Ltd, Hoj, AP

Contd.. P/4

Memo NO. RHEP/DGM(E/M)/PH&SY(O&M)/T-41(M)/19-20/ 3679-25 Date : 29/09/2020

Copy to :-

1. The HOP, RHEP for kind information please. This has reference to his approval conveyed vide JO No 2856, dtd. 17.02.2020.
2. GM (E/M), RHEP for kind information please. This has reference to his note conveyed vide JO No 2969, dtd. 17.02.2020.
3. The DGM (Finance), RHEP – for favour of kind information please. A copy of approval of competent authority is enclosed here with for his reference please.
4. The Sr. Manager (C), Vigilance cell, RHEP NEEPCO, Yazali, A.P for information please.
5. The Manager (E,) PH&SY(M), Ukrong Power House , Hoj for information & necessary action please.
6. The Manager (E/M), PH Store for information please.
7. The In charge, Guest House, Power House Site, Hoz for information & necessary action please.

DGM (E/M)
PH & SY (O&M), RHEP

Annexure-A

A. Supply Part

Sl. No.	Description	Quantity	Ex-works Price (₹)	Amount (₹)
1	GE Make Numerical Line Differential Relay type Micom P54391AC6M0790M on IEC 61850 Protocol along with IRIG-B Port HSN Code-85364900	2 Nos	4,60,000.00	9,20,000.00
			Total ₹	9,20,000.00
			Add GST @ 18%	165600.00
			Total ₹	10,85,600.00
			Freight & Insurance @3%	32568.00
			Total ₹	11,18,168.00

B. Service Part

Sl. No.	Description	Quantity	Ex-works Price (₹)	Amount (₹)
1	Removal of existing Relay, Mounting new P543 Relay, wiring, Testing & commissioning, Engineering Drawing, Sac Code-998736	2 Nos	75,000.00	1,50,000.00
			Total ₹	1,50,000.00
			Add GST @ 18%	27000.00
			Total ₹	1,77,000.00
			Grand total A+B (11,18,168.00+1,77,000.00)	12,95,168.00

(Rupees Twelve Lakh Ninety Five Thousand One Hundred Sixty Eight Only)

DGM(E/M)
HS&SY(O&M)
RHEP, NEEPCO LTD

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

No. NEEPCO/RHEP/GM(C)/201/20-21/ Dated 01.02.2021

To,

M/s Chukhu Taro
43Km, Kalimandir Tinali
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of Check Dam at Tow Koto (Below market), 43Km,RHEP,Yazali,A.P.**

Ref: This office :LNIT no. RHEP/GM/28/2020-21 dtd. 17.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of Check Dam at Tow Koto (Below market), 43Km,RHEP,Yazali,A.P.**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Check Dam at Tow Koto (Below market), 43Km,RHEP,Yazali,A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 9,44,391.00** (Rupees nine lacs forty four thousand three hundred ninety one) only which is inclusive of all applicable taxes
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates: - The** rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.: - The** Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site
9. **Defect Liability Period: -** The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

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the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one)** year from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for 1 **(one)** year from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority**: - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes**: The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate**: - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the Deputy General Manager ©, HSM, **NEEPCO. Limited RHEP, 43km Yazali.**

You are requested to start the work in consultation with the Deputy General **Manager (C), HSM, RHEP, NEEPCO,** 43km, RHEP and to attend this office within 6 **(six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP, NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 863-64 Dated 01.02.2021

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 28.01.2021.
2. The Deputy General Manager (C), HSM , RHEP, Yazali for information and necessary action please.
3. The Deputy General .Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 795 dtd. 25.01.2021.
4. The Sr.Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO, Ltd.azali(A.P)

Name of the work: :Construction of Check Dam at Tow Koto (Below market), 43Km,RHEP,Yazali,A.P.					Annexure-I
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification including setting out, construction of shoring and bracing,removal of stumps and other deleterious matter, dressing of sides and bottom and back filling the excavation earth to the extent required and utilizing the remaining earth locally for road work). I. Ordinary soil A. Means (i) upto 3 m depth	Cum	74.250	354.71	**26337.22**
2	Boulder apron lied in wire crates: Providing and laying of boulder apron laid in wire crates made with 4mm dia GI wire conforming to IS:280 & IS:4826 in 100mm x 100mm mesh (weaved diagonally) including 10 percent extra for laps and joints laid with stone boulderrs weighing not less than 40 Kg each.	Cum	202.500	4533.60	**918054.00**
					944391.22
	Say				**9,44,391.00**

(Rupees **nine** lacs forty four **thousand** three hundred **ninety** one) only

General Manager©
RHEP,NEEPCO Ltd,Yazali.A.P.

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check Dam at Tow Koto (Below Market),43km, RHEP, Yazali, A.P" has been completed on dated 25.03.2021 by the Contractor, M/S Chukhu Taro as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2020-21/662 dtd 01.02.2021

DGM (C), HSM.

A.M(C), HSM.

COMPLETION CERTIFICATE.

Certified that the work "Construction of proposed RCC drain with cover slabs opposite Intake Gate, Ch: 0.00 to 80.00 m, RHEP,41km, Yazali, A.P" has been completed on dated 31.03.2021 by the Contractor, M/S Nabam Tad as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM©/201/2020-21/ 747 dtd 08.02.2021

DGM (C), HSM.

A.M(C), HSM.

Name of the work: :Construction of R.C.C. Drain with cover slab opposite Intake Gate, Ch.0.000 m to Ch. 80.000 m RHEP,41Km, Yazali,A.P.					Annexure-I
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification including setting out, construction of shoring and bracing,removal of stumps and other deleterious matter, dressing of sides and bottom and back filling with approved materials. 1. Ordinary soil A. Means (i) upto 3 m depth	Cum	64.600	196.68	12576.11
2	Sand filling in foundation Trenches as per Drawing & Technical specification.	Cum	1.800	1549.58	2789.24
3	Plain /reinforced cement concrete in open foundation complete as per drawing and technical specifications. A. PCC Grade M15	Cum	4.800	9899.00	47515.20
4	Supplying ,fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specifications.	Tonne	3.067	122686.00	376277.96
5	Plain /reinforced cement concrete in open foundation complete as per drawing and technical specifications. C. RCC Grade M20. Case I Using concrete mixer	Cum	46.800	11419.00	534409.20
					973567.93
				Say	9,73,568.00

(Rupees nine lacs seventy three thousand five hundred sixty eight)

General Manager ©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यायली, अरुणाचल प्रदेश / YAZALI, A.P-791119
हेड सिविल वेदरेंस विंग, हीप, रेहए / HOZ Civil Maint. Wing, HOZ, RHEP

ISO9001, 14001
&
OHSAS 18001

File no: DGM(C)/HCMW/RHEP/T-6/2019-20/ Dtd:

To,

M/S Area 27
#1A, Mangaldeep Building, A.T Road
Maligaon, Guwati -781011, Assam.

Sub: Order for supply, installation, testing & commissioning of motorized automatic sliding gate for main colony gate at dikrong power house, RHEP, A.P."

Ref: i. Your offer date: Area27/UT/17-18/00385 Dtd 12/05/2019

Dear Sir,

The corporation is pleased to place order for supply, installation, testing & commissioning of motorized automatic slide gate for main colony gate at dikrong power house, ranganadi HE plant, Hoz, Arunachal Pradesh as per following:

A. Scope of work
B. Terms & conditions
C. Schedule of prices & quantity: Annexure-A
D. Technical Specification. Annexure –B
E. General Arrangement Drawing: Annexure-C
F. Performance Bank Gurantee : Annexure-D

A. SCOPE OF WORK:

The scope of the work under this contract shall include & not limited to the following.

1) **Scope of supply:** The scope of work under this contract shall include supply of Came-Italy Make Motorised Automatic Slide gate including accessories for main colony gate of dikrong power house, ranganadi HE plant, Hoz, A.P. as per enclosed schedule of price as Annexure-A, Technical specification as Annexure-B & General arrangement Drawing as Annexure-C.
2) **Installation & Commissioning:** The installation, testing & commissioning of motorized Automatic slide gate shall be in the scope of contractor. The contractor shall provide all the materials, man power & tools/ tackles, civil works required for completion of job. However, equipment like mobile crane, power supply required for the completion of job shall be under the scope of corporation.

B. TERMS & CONDITIONS:

1) **Prices:** The prices indicated in schedule of rates are FOR site basis inclusive of GST as indicated in Annexure-A. The rates shall remain firm till completion of entire job.
2) **Goods & Service Tax (GST):**
   (a) Supply Part: GST shall be paid extra on the supply parts at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill.
   (b) Service part: GST against service shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide GST number in bill. Our GST no is **12AAACN9991J4Z0.**
3) **Order Value: Rs 7, 15,020.00** (Rupees Seven Lakh Fifteen Thousand and Twenty Only) inclusive of GST as indicated in Annexure-A.

4) Terms of payment:

Supply Part: (a) 80% (Eighty percent) payment shall be made after receipt of materials at site in full and good condition.

(b) 10 %(Ten percent) payment shall be released after successful testing & commissioning of the sliding gate to the full satisfaction of Dy. Manager Security, RHEP.

(c) Balance 10%(ten percent) shall be released on submission of Performance Bank Guarantee (PBG) of equivalent amount which shall cover one month more than the guarantee/warranty period. PBG form is enclosed in Annexure-D.

Service part: 100% (hundred percent) payment against services shall be released after successful testing & commissioning of motorized Automatic sliding gate to full satisfaction of Engineer in charge

You are requested to submit the following details along with your bill for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with branch details.
iii) Type of Bank Account (Saving/current/Cash credit)
iv) Bank Account Number (PAN) under Income Tax.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax
vii) GST Number (for supply of goods and services) as applicable.
viii) Email address of the vendor/authorized official along with mobile no. (For receiving & update status of payment).

5) **Technical specification:** The detailed technical specification of the works enclosed as Annexure B.

6) **Drawing:** The General arrangement drawing of gate shall be as per Annexure C.

7) **Freight & Insurance:** Freight charges shall be paid extra @ Rs 10000.00 (Rupees Forty Thousand Only) for transportation of material (to the work site/Hiking power house, Hoj. The supplier shall be responsible for delivering the materials at respective power house site in full & good condition. No extra claim for damage/theft of material beyond this amount shall be entertained.

8) **Delivery:** Delivery of materials shall be within 2(two) months from the date of issue of this order. All efforts should be made to dispatch the materials as early as possible.

9) **Time of completion of work:** Installation, commissioning & testing shall be completed within 2(two) months from date of receipt of materials at site or handing over of site whichever is later. The corporation shall intimate the completion of receipt of materials & readiness of site.

10) **Accommodation:** Available accommodation for the installation team shall be provided at project site free of cost. However, food charges shall be at your account.

11) **Manuals:** The supplier shall also provide 03(three) sets of operation & maintenance manuals in the Centre Italy Make Model and its accessories.

12) **Guarantee/Warranty:** The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18(eighteen) months from the date of dispatch or 12(twelve) months from date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/replacement free of cost by the supplier. All incidental cost of such repair/replacement shall be to the supplier's account. If any defect be not remedied/ replaced within a reasonable time the purchaser may proceed that materials at supplier's risk and expenses.

13) **Consignee. Supply Part:** Sr. Manager (C), S & T, Central Store, RHEP, Yazali, Arunachal Pradesh.

: Service Part: Assistant Engineer (C), HCM/W, RHEP, Hoj (Yayee), Papum Pare Dist. Arunachal Pradesh.

14) **Paying Authority:** Dy. General Manager (Fin), F & A Wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

15) **Force Majure:** The term "Force Majeure" shall, herein, means riots (other than among the contractor's employees), civil commotion (to the exent not insurable) war (wheter declared or not), invasion, act of foreign enemies, hostilies, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of GOD, such as earthquake, lighting, fires not caused by contractor;s negligence and other such cause over which the contractor has no control and are accepted as such, by the engineer-in-charge, whose decision shall be final and binding.

16) **Liquidated Damage:** If the firm fail to supply the material & execute the retrofitting work within the stipulated time as mentioned in this orther than corporation reserves the right to the unexecuted portion of the supply & work or part there of to 0.5%(zero point five percent) of the unexecuted portion of the supply & work or part thereof per week subjected to maximum of 5% (five percent) of the total value of the order.

17) **Arbitration:** Any dispute in respect of which:

a. The decision, if any of the Engineer-in-Charge has not become finale.

b. Amicable settlements has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contracts as below:

The Arbitration Tribunal shall consist of a sole arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorized representative out of a panel of names of three arbitrators, proposed by him and selected by the contractor under Indian Arbitration and conciliation act, 1996 (Act no 26 of 1996) and any rules made there under and to such other order or orders, instructions issued by the government of India from time to time in this connection.

Please acknowledge the receipt & acceptance of this order for our record.

Yours sincerely

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2019-20/ 8017 Dtd 27/12/19

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference to approval accorded vide HOP U.O no 1892 Dtd 28/10/2019.
2) The G.M(C), RHEP, Yazali for favour of information please.
3) The Dy. General Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of HOP, RHEP is enclosed herewith.
4) The Sr. Manager (C), S & T, Central Store, RHEP, Yazali for necessary information and action please.
5) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P for information that work order is placed on offer basis.
6) The Dy. Manager (Security), RHEP, Yazali for information please.
7) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Schedule of Price

Annexure-A

NAME OF WORK: Supply and Fittings of Motorised Gate for main security gate at Hoz.

A	Supply Part					
SL NO	Description of Item	Unit	Quantity	Rate	Amount	Remarks
1	New Sliding gate fabrication size H = 2.5m and W = 7.0m. (Consisting of : MS Hollow section design bar 100x50mm, MS sheet 2mm Tata Make, MS Hollow section design bar middle 50x50m, with double coating of red oxide, MS joist pillar, MS joist base, wheel 2 pcs and upper roller wheel 2 pcs	Sqm	17.50	12500.00	2,18,750.00	Rate As per Sale Quotation from Area-27
2	Professional sliding gate automation mechanism (BK-2200), IP-54 protection, intensive use, 24V DC, professional series, self lubrication system, heavy duty, for gates up to 2200 Make Came- Italy	Nos	1	190000.00	1,90,000.00	do
3	Photo cells for safety (Pair). make italy	Nos	1	9000.00	9,000.00	do
4	Flashing safety alarm light make came italy	Nos	1	7190.00	7,190.00	do
5	RF card for connecting remote and push button make came italy	Nos	1	6000.00	6,000.00	do
6	Galvanised V rack(1mtr) make came italy	Nos	7	3892.00	27,244.00	do
7	Maual push button on inside	Nos	1	1875.00	1,875.00	do
				Transportation charges from guwahati to hoz	40,000.00	do
				Total =	500059.00	A
				Add GST@ 18 % on Total(A)=	90010.62	B
				Grand Total 1=	5,90,069.62	

B	Service Part					
SL NO	Description of Item	Unit	Quantity	Rate	Amount	Remarks
1	Installation, testing, commissioning & professional engineering charges	Nos	1	55000.00	55,000.00	Sale Quotation
2	Civil Engineering and Construction charges	Nos	1	50000.00	50,000.00	do
				Total =	105000.00	A
				Add Building Cess @ 1 % on Total (A)=	1050.00	
				Add GST@ 18 % on Total (A)=	18900.00	B
				Grand Total 2=	1,24,950.00	
				Gross Total (Supply part + Service Part) =	7,15,019.62	
				Say = Rs	**7,15,020.00**	

(Rupees Seven Lakhs Fifteen Thousand and Twenty Rupess only)

ANNEXURE-B

TECHNICAL SPECIFICATION

Complete automation systems with 230V A.C. motor

BKE-2200 :-Automation system complete with control board, radio decoder, encoder-based movement
Control for sliding gates of up to 2,200 Kg / 4,850 lb and 13 m / 42.65 ft with module 6 pinion.
Automation system with 230-400V A.C. 3-phase
BK-2200 Operator with module 6 pinion.
Control panels for 230-400V A.C. 3-phase operator
ZT6 Control panel with built-in radio decoder and self-diagnosing safety devices.
ZT6C Control panel, complete with safety block and buttons, including a built-in radio decoder and self-diagnosing safety devices.

Accessories
R001 Lock cylinder with DIN key.
B4353 Chain transmission device.
CCT 1/2" in simple chain for B4353.
CGIU Joint for 1/2"in chain.
CGZ Galvanized rack in rolled steel 22 x 22 mm 0.86 x 0.86 in module 4.
CGZS Galvanized rack in rolled steel 30 x 8 mm 1.18 x 0.31 in module 4 with securing holes and spacers.
CGZ6 Galvanized rack in rolled steel 30 x 30 mm 1.18 x 1.18 in module 6

Technical Information of BK-2200:
WEIGHT-21Kg
POWER SUPPLY-230V AC
CURRENT-5.1Amps
POWER-580Watt
DUTY CICLE-50%
MAX TORQUE-54Nm
REDUCTION RATIO-1/31
PUSH-1500N
MAX SPEED-10.5m/min
CONDENSER-35μF
PROTECTION LEVEL-IP54
OPERATINGTEMPERATURE-(-)20deg C (+) 55Deg C
Max Weight of Gate Leaf -2200Kg
Max Length of Gate Leaf-20Mtr.

Gearmotor:

The BK-BKE gearmotor is designed to automate sliding gates for residential and condominium complexes
The BK-BKE gearmotor is designed and built by CAME CANCELLI AUTOMATICI S.p.A. and it meets the safety standards in force. The case consists partly of cast aluminium, inside of which operates the non-reversible electromechanical gearmotor, and partly of a covering in ABS plastic inside of which is an electronic card and the transformer.

BK-BKE 2200 – Automated unit with M6 pinion module, max capacity 2200 kg;
The BK-BKE gear motor may be supplied with complementary accessories such as:
001 R001 - Lock cylinder with DIN keys;
001 BSF - Braking device for gates installed on a sloping surface;
001 BRC5/10/15 - Power supply cable winding device for sensitive safety profiles;
001 B4353 - Chain transmission device;
009 CGZ - Galvanized steel 22 x 22 Module 4 rack;

009 CGZS - Galvanized steel 30 x 8 module 4 rack with fastening screws, holes and supports;
009 CGZ6 - 30 x 30 Module M6 galvanised rack made of laminated steel for BK2200 and BK2200 automated units;
009 CCT - Simple 1/2" chain;
009 CGIU - 1/2" chain joint.

Control Board Specification
The control board is powered with (120V A.C. or 230V A.C.) across terminals L and N and is protected by fuse on the main Power line.
The control systems are powered by low voltage (24V) and protected by a 1A fuse.
The total power consumption of the 24V accessories must not exceed 20W.
The operating time (interval) is fixed at 150 seconds.
The photocells can be connected and set to re-open during the closing phase, re-open during the opening phase, partial stop,
total stop and obstacle sensing when motor is not running.
Note: if a normally closed safety contact (2-C1, 2-CX o 1-2) is opened, this is indicated by the flashing LED (ref. point 9, ma
in components).
The ZBKE board autonomously controls a safety function that senses any obstacles which:
- when opening, stops the gate and triggers automatic closing;
- when closing, inverts the direction of movement of the gate until it is fully opened and consequently, automatically closes it.

The board also includes other selectable functions, such as: automatic closing, partial opening, pre-flashing of the opening and closing phases, "maintained action movement", phase or courtesy lamp, partial stop or re closing during opening phase, master-slave and the following command: open-stop-close-stop, open-close-inversion or only open. The automatic closing and partial opening times are adjustable.

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश/YAZALI, A.P-791119
[illegible]

File no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 546 Dtd: 3/11/2020

To,

M/S T.T Enterprises
Hoz-Yayee, Papum Pare
Arunachal Pradesh.

Sub: Work order for "Repairing of permanent A-Type quarters (PA-1, PA-2 & PA-3 at Dikrong power house colony hoz, A.P."

Ref: NIT no: 04/2020-21/HCMW dtd. 15/05/2020

Dear Sir,

With reference to the above NIT, the work for **"Repairing of permanent A-Type quarters (PA-1, PA-2 & PA-3 at Dikrong power house colony hoz, A.P."** The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this confirmatory work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A**.
2) **Scope of work:** As per specifications if BOQ.
3) **Value of Work: Rs 51, 34,850.00**(Rupees Fifty One Lakhs Thirty Four Thousand Eight Hundred and Fifty).
4) **Time of completion:** 90 (Ninety) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5% (zero point five percent) of the total contract value per week of delay subjected to maximum of 10% (ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
11) **Mode of payment:** 90 %(Ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge
12) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.
13) **Paying Authority:** The Dy. General Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

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14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The derision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to arknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
Hoz Civil Mauntenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 573-574 Dtd 3/11/20

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 549 Dtd 04/07/2020
2) The General Manager(C), RHEP for favour of information please.
3) The Dy. General Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P.
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Annexure-A

Schedule of Price

Name of work: Repairing of permanent A-Type quarters(PA-1,PA-2 & PA-3 at Dilirong power house colony Hoz, A.P

NIT NO. 04/2020-21/HOMW dtd. 15/05/2020

Sl. No.	Item	Unit	Qnty	Rate	Amount
1	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50m lead.	Sqm	1504.91	20.00	30098.60
2	R. C. C				
(I)	Reinforced cement concrete work in lintels, beams and bressumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shattering and reinforcement.(a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	Cum	2.004	10910.00	21863.64
3	Shattering and Form Work:				
	Centring and shattering including strutting, propping etc and removal of form work for :				
(b)	Lintels, beams, girders, bressumers and cantilevers etc.	Sqm	10.156	530.00	5078.00
4	Brick Work:				
(I)	Half brick masonry in superstructure above floor two level.	Sqm	30.27	1268.00	38382.36
5	Door				
(I)	Providing and fixing flush door shutters, decorative type, core of block board construction with frame of 1st class hard wood and well matched 1st class teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.(a) 40 mm thick including anodised aluminium butt hinges with necessary screws.	Sqm	98.49	2914.00	286999.86
(II)	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 90 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, panelling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame, welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 35 mm thick plain PVC door shutter.	Sqm	37.8	2619.00	98908.20
6	Plastering:				
(I)	15 mm cement plaster 1 : 4 (1 cement : 4 fine sand) on the rough side of single or half brick wall.	Sqm	746.73	234.00	174794.82
(II)	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	Sqm	847.86	195.00	165332.60
7	Painting:				
(I)	Applying one coat of cement primer of approved brand and manufacture on walls (outer walls)	Sqm	700.97	40.00	28038.80
(II)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.(outer walls)	Sqm	700.97	182.00	127576.54
(III)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on old work (one or more coats) to give an even shade.(outer walls)	Sqm	330.48	80.00	26438.40

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Sl. No.	Item	Unit	Quntity	Rate	Amount
(IV)	Distempering (two or more coats) with all bound washable distemper of approved brand and manufacture and of required shade on hum work over and including a priming coat with distemper primer of approved brand and manufacture to give an even shade (interior walls)	Sqm	2808.03	95.00	266962.85
(V)	Varnishing (two or more coats) with Copal Varnish of approved brand and manufacture brand and manufacture on new work including an under coat of linseed varnish with glue sizing.	Sqm	243.7	137.00	33680.90
(VI)	Painting two or more coats with enamel paint of approved brand and manufacture in any shade on new work to give an even shade.	Sqm	161.39	84.00	13556.76
8	**Tiles Work:**				
(i)	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete b) Size of Tile 600x600 mm	Sqm	573.16	1940.00	1112218.40
(ii)	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. b) Size of Tile:600x600 mm (SKIRTING)	Sqm	43.83	1910.00	83700.20
(iii)	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with : Makrana white second quality	Sqm	76.52	3498.00	267666.96
(IV)	Providing, Fixing of White glazed tiles 5mm thick in flooring, skirting, risers of step and dado in 12 mm thick cement plaster 1 : 3(1 cement: 3 coarse sand) painted with white cement slurry.	Sqm	277.71	3100.00	860901.00
(V)	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade. Area of slab over 0.50 sqm	Sqm	22.06	4330.00	95476.50
9	**Plinth Protection:**				
(i)	Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement :3 coarse sand : 6 stone aggregate using 20 mm nominal size) over 75 mm bed of stone ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	105.91	684.00	72456.12
(ii)	Neat cement pointing.	Sqm	105.91	57.00	6038.01
10	**House Drain**				
(i)	Construction of cement concrete drain 30 cm wide and 23 cm deep in cement concrete 1 : 3 :6 (1 cement : 3 sand : 6 hard graded stone chips/shingle 40 mm and down gauge) 8 cm thickness sides and bottom and plastering on all exposed surfaces with 12 mm thick cement mortar 1 : 3 (1 cement : 3 fine sand) including finishing complete.	Rm	121.39	770.00	93555.00
(ii)	Flat brick flooring with best quality brick in cement mortar 1:4 (1 cement: 4 river sand)	Sqm	60.75	1202.00	73021.50
11	**Kitchen Cabinet and Cupboard:**				
(i)	25mm thick wooden shelves supported on 40 x 4.0 x 6 mm "T" or "L" iron brackets fixed at suitable distance but not exceeding 75 cm apart in 7.5 x 7.5 x 15 cm block of cement concrete mix 1 : 3 : 6 (1 cement: 3 coarse sand: 6 graded stone shingle 20 mm nominal size) with :a) Approved local wood best available class - B.	Sqm	22.08	1606.00	59104.08
(ii)	Providing and fixing 25 mm thick shutters for cup board etc., Second class oak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	Sqm	15.90	4255.00	67782.35

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Schedule of Price

Sl. No.	Item	Unit	Quty	Rate	Amount
12	Trusses				
(i)	Steel work in built up tubular trusses including cutting, bolting, fixing in position and applying a priming coat of approved steel primer welded and bolted including special shaped washers etc complete (welding to be paid separately).	Kg	719.11	122.00	87787.42
(ii)	Welding by Electric plant	Cmrngth	3182.00	6.00	18977.16
13	Pelmet:				
i	Providing and fixing 12 mm thick and 150 mm wide pelmet with 25 mm dia wooden curtain rod and brackets including fixing with 25 x 3 mm MS flat 10 cm long and plugs etc complete. (a) Timber chute - 01	Rm	103.95	380.00	39045.70
14	Hand Rail:				
(i)	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.M.S. tube	Kg	276.58	158.00	43699.64
15	Roofing Sheet				
(i)	Providing and fixing Durashine zinc-Aluminium alloy coated (TATA Bluescope building product) sheet roofing fixed with necessary fasteners and lapping method as described by the manufacturer inclusive of cutting, hoisting and fixing complete, excluding the cost of purlins, rafters and trusses.	Sqm	113.4	1096.00	117482.40
(ii)	Providing and fixing Durashine zinc-Aluminium alloy coated (TATA Bluescope building product) sheet ridges fixed with necessary fasteners and lapping method as described by the manufacturer inclusive of cutting, hoisting and fixing complete, excluding the cost of purlins, rafters and trusses.	Rm	21	814.00	17094.00
16	Railing				
	Providing and fixing in proper place MS square bars railing of required pattern for balcony and staircase with 15 x 3mm lugs 10cm long embedded in cement concrete block 15 x 10 x 10 cm of 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size finished with 1 coat of ready mix steel primer. All item should be carriedout as per drawing and as directed by Engineer-in-charge.	Kg	615.96	123.00	75743.08
17	Hardware Fittings:				
(i)	Providing and fixing aluminium Tower bolts anodized or transparent or dyed to required color or shade with necessary screws etc complete.(a) 250 x 10 mm	Each	66	121.00	7986.00
(ii)	Providing and fixing chromium plated bright finished 100 mm mortice lock and lock with 6 levers and a pair of CP handles with necessary screws etc complete (Iccs make of approved quality).	Each	12	546.00	6552.00
(iii)	Providing and fixing MS sliding door bolts, bright finished or mat black enamelled with nuts and screws etc complete. (a) 250 x 16 mm	Each	72	204.00	14688.00
(iv)	Providing and fixing aluminium Handles anodized transparent or dyed to required color or shade with necessary screws etc complete.(a) 100 mm	Each	66	74.00	4884.00
(v)	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per I. S. 1868) transparent or dyed to required colour and shade with necessary screws etc complete. (a) Single rubber stopper.	Each	12	87.00	804.00
18	Sanitary and Water Supply Works:				
(i)	Providing and fixing water closet Squatting pan(Indian type WC Pan) with 100mm sand cast iron P or S trap, 10 litres Low Level white PVC flushing cistern with externally controlled device (handle lever) confirming to IS: 7231, Parry Ware / Hindware/ Sea Shell/ Orient (Cera) with all fitting and fixtures complete including cutting and making good the wall and floors wherever required (a) White vitreous China China pattern W.C.Pan of size 580 x 440mm with integral type foot rest.	Each	1	8800.00	64800.00
(ii)	Providing and fixing white vitreous china wash basin with MS or CI brackets painted white 15 mm CP brass pillar taps and CP brass chain with rubber plug 32 mm CP brass waste of standard pattern, 32 mm dia CP brass trap and MI unions complete, including cutting and making good the walls where required (a) Flat back wash basin size 550x400 mm with single 15 mm CP brass pillar taps of heavy quality.	Each	12	3937.00	47244.00

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Schedule of Price

Sl. No.	Item	Unit	Qnty	Rate	Amount
(III)	fixing 600x450 mm bevelled edge mirror or equivalent glass (of approved quality) complete with 6 mm thick asbestos sheet grooves fixed in wooden cleats with CP brass screws and washers.	Each	12	517.00	6204.00
(IV)	fixing 600 x 120 mm glass shelf with CP 6mm bracket and grind mill complete, fixed to wooden cleats with CP brass screws.	Each	12	318.00	3816.00
(V)	Providing and fixing CP brass towel rail complete with CP brass brackets fixed to wooden cleats with CP brass screws (heavy quality). (a) 750 x 20 mm dia	Each	12	765.00	9180.00
(VI)	Providing and fixing 100 mm anti-rust cast iron grating for gulley, floors or urinal trap.	Each	12	103.00	1236.00
(VII)	Providing and fixing wall fixed unplasticised - Rigid PVC pipes conforming to IS: 13592 Type A, including jointing with seal ring, conforming to IS: 5382 leaving 10mm gap for thermal expansion for rain water, soil, waste and vent pipes of (a) Single socket: 75mm	Rm	32.00	116.00	3712.16
	(b) 110 mm diameter	Rmt	210	142.00	29820.00
(VIII)	Providing and fixing on wall fixed unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
	(a) 110mm diameter Door Tee	Each	17	220.00	3740.00
	(b) 110mm diameter Plain Tee	Each	12	204.00	2448.00
	(c) 110mm diameter Bend	Each	24	140.00	3360.00
	(d) 110mm diameter coupler	Each	24	127.00	3048.00
	(e) 75mm diameter Bend	Each	12	97.00	1164.00
	(f) 75mm diameter coupler	Each	12	84.00	1008.00
IX	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc, complete.				
	(a) 75mm	Each	15	313.00	4695.00
	(b) 75mm diameter coupler	Each	15	312.00	4680.00
19	C.P.V.C. PIPES				
(I)	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, inc fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc., 20 mm nominal outer dia Pipes	Mtr	195.00	516.00	100620.00
(II)	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work . 40 mm nominal outer dia Pipes	Mtr	135	580.00	78300.00
20	Providing and fixing C.P. brass long nose bib cock of approved quality Crabtree (07011) conforming to IS standards and weighing not less than 310 gms.15 mm nominal bore	Each	36	669.00	24084.00
21	Providing and fixing C.P. brass long body bib cock of approved quality Crabtree (07011) conforming to IS standards and weighing not less than 600 gms. (for kitchen) (a) 15mm nominal bore,	Each	12	597.00	7164.00
22	Providing and fixing CP brass shower rose with 15 mm dia inlet. (a) 100mm diameter.	Each	12	534.00	6408.00
23	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved Crabtree (07011) make conforming to IS:8931.15 mm nominal bore	Each	12	655.00	7860.00

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Schedule of Price

Sl No.	Item	Unit	Qnty	Rate	Amount
24	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality Chabtree (07011) conforming to IS:8931 (8.53), 15mm nominal bore	Each	46.00	575.00	27600.00
26	Providing and fixing Stainless Steel A ISI 304 (1808) kitchen sink of size IS:1083 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :510x1040 mm bowl depth 250 mm	Each	12	5672.00	68064.00
	SEPTIC TANK				
	Earth work:				
1	Reinforced cement concrete work in lintels, beams and transomes up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement. (b) 1 : 2 : 4 (1 cement ; 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	1.359	10876.00	14780.48
2	Centring and shuttering including strutting, propping etc and removal of form work for : (a) Lintels, beams, girders, transomes and cantilever etc.	Sqm	9.69	500.00	4845.00
3	Reinforcement of RCC work including bending, binding and placing in position complete. (a) Cold twisted bars	Kg	100.40	95.00	9538.55
4	Making soak pit 2.50m diameter, 3.00m deep with 45 x 45 cm dry brick honeycomb wall and SW drain pipe 100 mm diameter 1.80m long complete as per standard design.	Each	1	43896.00	43896.00
				Total = RS	5134849.84
				Say Rs	51,34,850.00

(Rupees Fifty One Lakhs Thirty Four Thousand Eight Hundred and Fifty) Only

Dy General Manager (C)
Hqr. Civil Maintenance Wing
BSNL LIMITED
Delhi (A.P.)

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नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यजली, अरुणाचल प्रदेश/YAZALI, A.P-791119
क्षेत्र निर्माण विंग, सीई, हेक्र/Hoz Civil Maint. Wing, HCE, HCMW

DGM(C)/HCMW/RHEP/T-6/2021-22/ 316 Dtd 05/07/2021

CORRIGENDUM

Reference to the W.O no: DGM(C)/HCMW/RHEP/T-6/2020-21/566 Dtd 06/11/2020, the following amendment is hereby made: The name of the work shall be read as "**Construction of balance work of permanent A -Type quarters (PA-1, PA-2 & PA-3) at Dikrong power house colony hoz, A.P**". instead of "Repairing of permanent A-Type quarters (PA-1, PA-2 & PA-3) at Dikrong power house colony hoz, A.P.".

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2021-22/316 - 22 Dtd 05/07/2021
Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information please.
2) The General Manager(C), RHEP for favour of information please.
3) The Dy. General Manager (F), F&A Wing, RHEP, Yazali, A.P for please.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P.
5) Shri G. Mhaliyong, A.E (C), HCMW for information please.
6) M/S T.T Enterprises for information please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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ISO 9001-2008

ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: bcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S T.T Enterprises has completed the work," Repairing of permanent A-Type quarters (PA-1, PA-2 & PA-3) at Dikrong Power House colony hoz, A.P.." as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2020-21/566 dtd 03/11/2020, *in all respect on 09/02/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were Issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C), HCMW

Dy. General Manager (C), HCMW

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NEEPCO, PLHPS
Note Sheet

Sub: Re-Submission of 7th R.A bill in respect of M/s Jony Enterprises and Contract closure of the work "Construction of permanent A-type (PA-1, 2 & 3) building at Hoj", executed by M/S Jony Enterprises.

Ref: i) W.O: NEEPCO/RHEP/HOP/103(B)/06-07/1238 dtd 31/10/10
ii) Agreement no: NEEPCO/HOP/RHEP/06-07 / II dtd 24/01/07

A) Re-Submission of 7th R.A Bill.
The following documents are enclosed herewith: for 7th R.A Bill
1) Forest Royalty Challan in original.
2) Labour wages / EPF statement:: Records for payment at EPFO for 2010-2011 is not available with contractor and could not be traced out at this office also, hence M/s Jony Enterprises has submitted Manual Labour wages in original for the month of March-2011 & April-2011.
3) Time extension order: NEEPCO/RHEP/HOP/T-53/2021-22/681 DTD 19/08/2021.
4) Deviation Approval copy.

B) Closer of Contract
1) Due to foreclosure of the contract,7th R.A bill shall be final bill.
2) Penalty with time extension: Final time extension granted wide order no. NEEPCO/RHEP/HOP/T-53/2021-22/681 DTD 19/08/2021 with a penalty of ₹ 62,620.00/-
3) Store recovery from contractor: ₹ 3,17,562.77/-
4) No Demand Certificate: M/s Jony Enterprises has submitted No Demand Certificate in original as enclosed
5) Security Deposit and any BG/EMD of M/s Jony Enterprises may be released after necessary deduction of penalties.

It is to certify that there is no liability towards M/s Jony Enterprises on behalf of NEEPCO ltd.
Submitted for further needful please.

17/04/2023
A.E(C), HCMW

DGM(C), HCMW

Forwarded for further needful please.

19/04/2023
DGM(C)HCMW

DGM(C) H/W) O/o The HOP, PLHPS

Head Office Civil Maint. Wing
Shillong
Dated 19.04.2023

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NORTH EASTERN ELECTRIC POWER CORPORATION LTD
OFFICE OF THE HEAD OF PROJECT
RANGANADI HYDRO ELECTRIC PLANT
P.O. RANGANADI PROJECT,
LOWER SUBANSIRI DISTRICT, Arunachal Pradesh

NEEPCO/HOP/RHEP/103 (B)/06-07/ Dated: 31 /10/2006

M/s Jony Enterprise
E-Section, Naharlagun,
Near ABC, Arunachal Pradesh

Award of Work for Construction of 3 (three) Blocks of A-type Quarters (each block contains 4 units) and two septic tanks. (Group-A)

1) LOI NIT No. NEEPCO/HOP/RHEP/41 of 2005-06 Dtd. 28/7/05
2) Your request letter Nil dated 10.01.06
3) LOI letter no. NEEPCO/HOP/RHEP/2005-06/2102 dated 16.01.2006
4) Your tender dated 10.02.06
5) LOI letter no. NEEPCO/HOP/RHEP/2006-07/306 dated 15th July 2006
6) Your letter No. Nil dated 01.02.06
7) LOI letter no. NEEPCO/HOP/RHEP/APDP/1006-07/721 dated 25th Sept 2006
8) Your price bid/at opened on 5.10.06
9) LOI letter no. NEEPCO/HOP/RHEP/103(B)/06-07/950 dated 12.10.06
10) Your letter No. Nil dated 30.10.06

Sir,

With reference to the above, the Corporation hereby notifies the award of work as mentioned above for a Contract Sum of Rs. 48,63,405.00 (Rupees Forty eight lakh, sixty three thousand four hundred and five only) and as per the terms and conditions detailed and mentioned in Volume -I, Volume - II, Volume-III and Volume-IV of the tender/document. The following terms and conditions however will prevail, wherever these are at variance to the above referred to terms and conditions.

1. Scope of Works :-

The scope of work is (three) blocks of Type A Quarters (each block contains 4 units) and two septic tanks at Permanent colony of 405 MW Ranganadi H.E. Project at Dist. Yupia in the Lower Subansiri District of Arunachal Pradesh which includes Construction of 3 blocks of RCC Buildings containing 4 units in each block including excavation and installation of all sanitary, water supply and drainage works etc. as detailed in tender specification Volume-II & Volume-III and as per drawings to be supplied on commencement and during performance of the contract.

2. Performance Security / Security Deposit:

The Pay Order No. 480988 dated 03/2/06 for Rs. 48,700.00 (Rupees Forty eight thousand seven hundred) only will be treated as performance security / Initial Security Deposit, (ISD) as per the provision in clause 3, Volume - I of bid documents.

ASSTT. MANAGER (C)
RHEP, RANGANADI

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NOTE SHEET

Subject: **Submission of Deviation statement** for the work "Construction of 3 blocks A-Type quarter (each block contains 4 unit and 2 septic tank), group-A.

Reference: 1) W.O No. NEEPCO/HOP/RHEP/103(B)/06-07/1238 DTD 31.10.2006
2) Sup. O. No. NEEPCO/RHEP/SR.M(c)/HCDD/W-25/2008-09/225 DTD 26.06.2008
3) Agreement no. NEEPCO /RHEP//HOP/06-07/1 DTD 24.01.2007

References to above, the work was awarded to M/s Jonny Enterprises. Since 01/05/2011 the work was in halt. Many a time M/S Jonny Enterprises was communicated to complete the work but there was no positive response from M/S Jonny Enterprises to complete the remaining work.

A meeting was convened on 28/08/2019 between M/S Jonny Enterprises and NEEPCO officials with regards to Construction of 3 blocks A-Type quarter (each block contains 4 unit and 2 septic tank), group-A.

After thorough discussion and dully taking into account of all the circumstances and events both the parties i.e M/s Jonny Enterprises and Officials of RHEP NEEPCO agreed for foreclosure of contract.

Therefore as per the minutes of meeting, to foreclose the contract a deviation statement is prepared for work done upto 30/04/2011 as 7th R.A & Final Bill amount.

The details of calculation of deviation have already been explained in the deviation statement sheet.

However following is the calculation of Deviation in a nutshell.

The work value as per **Work Order & Supplementary work** = **53, 30, 089.00** ------- **(A)**

The total executed value for **BOQ item** = **39, 96,888.00** ---------- **(B)**

Final deviation over WO value including supplementary items is –**Rs 13, 33,200.99**, which is negative deviation i.e –**ve 25.01%**.

Approval of deviated amount (or quantity variation) may please be endorsed from, competent authority as per relevant DOP Clause and also finance concurrence may kindly be obtained for early settlement of contract.

Put up for your kind perusal and further needful please.

Enclosure: Deviation statement along with photocopy of minutes of meeting.

A.E(C) HCMW

DGM(C), HCMW

Notes above may kindly be seen.
In order to foreclose the contract for the work "Construction of 3 blocks A-Type quarter, Group-A vide W.O as referred above, the deviation statement for the work done till 30.04.2011 (7th RA) bill has been submitted for approval from the Competent authority.

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The work value as per Work Order and Supplementary item is Rs 53,30,389.00

Total executed value upto 30.04.2011 — Rs 89,96,888.00

Final deviation amount —(-)Rs 15,33,204.00

Negative deviation of -ve 25.01%

Approval of deviation as above may kindly be endorsed from competent authority RHED. Finance concurrence may kindly be obtained.

25/04/2011

Dy. M(I), RHEP

25/04/2011

Dy.M(I), HCHW

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S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				now under Para H.E. Plant, a permanent office setup is required for running of the Plant. Also, the office setup is presently located at 43 which is of semi-permanent type and has outlived its usefulness for which a permanent office set-up at HoJ nearby to the Power House is desirable for the efficient operation for the Plant.	(another plant of the Petitioner) and the setup has already outlived its useful life, the claim of the Petitioner is allowed under Regulation 25(2)(a) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The de-capitalized value of the old asset has been considered under 'Assumed Deletions'.	
14	Construction of Additional Permanent Quarters at 43km	76 & 77	300.00	Although the Permanent Residential quarters against RHEP has been constructed at Dolmukh, however the work sites of Dam, Tunnel and Utility Services including Grid Power Distribution are located at 43km which is more than 50km from Dolmukh. As such a Permanent Residential setup at 43km is required to ensure monitoring of the above vital installations on a 24X7 basis from	It is observed that the cost of existing permanent quarters is already the part of the allowed capital cost. However, considering the nature of the expenditure, the claim of the Petitioner is allowed under Regulation 25(2)(a) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The	300.00

S.No.	Item	Regulation	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				43km itself. Also, the communication setup/logistics arrangements in between Doimukh and 43km is prone to disruptions during monsoon period for which it is not possible to monitor this work sites from Doimukh. In view of the extreme critical monsoon period when continuous monitoring of Dam and allied structures is very much required, a permanent set up is felt essential to the efficient operation of the Plant.	decapitalization value of old asset has been considered under 'Assumed Deletions'.	
	Total amount claimed		**1789.49**			
	Total amount allowed					**583.00**
	Additional Capital Expenditure eligible for Normal RoE		0.00			550.00
	Additional Capital Expenditure eligible for WAROI		1789.49			33.00

14. Based on the above, the total additional expenditure of Rs. 583.00 lakh is allowed in 2020-21.

T-34

Solvina | Minutes of Meeting

Code:	[illegible]
Issue:	1.0
Date:	30-12-2020
Page:	1/3

Customer:	NEEPCO RANGANADI [ORDER No.: NEEPCO/RHEP/HOP/T-53/2020-21/1062, DATED: 15-07-2020]
Subject:	Primary Frequency Response test of Unit-1, Unit-2 & Unit-3
Attachments:	Preliminary report of Unit-1, Unit-2 & Unit-3
Venue:	RANGANADI HYDRO ELECTRIC PLANT, YAZALI (A.P)
Minutes taken by:	Deepesh Yadav, Ashish Mishra

Attendee:	Company:	Signature:
Mr. Tanya Taji	NEEPCO RANGANADI	
Mr. Sundar Moni Mohan	NEEPCO RANGANADI	
Mr. Tarh Naga	NEEPCO RANGANADI	
Mr. Bhaskar Mazumder	NEEPCO RANGANADI	
Mr. Akhil Singhal	NERLDC	
Mr. Sachin Singh	NERLDC	
Mr. Yogendra Singh	NERLDC	
Mr. Deepesh Yadav	Solvina	
Mr. Ashish Mishra	Solvina	
Mr. Vishal Kumar Namdeo	BHEL-BHOPAL	
Mr. Sushil Kumar	BHEL-EDN BANGALORE	

Distribution List	Mr. Paresh Chandra Barman; Mr. Bimal Swargiary; Mr. Shahzad Alam

The Minutes of Meeting prepared between M/s NEEPCO RANGANADI, M/s POSOCO (NERLDC), M/s SOLVINA and M/s BHEL for the Primary Frequency Response (PFR) test of NEEPCO RANGANADI generators (Unit-1, Unit-2 & Unit-3), at three load levels (135MW, 110MW & 35MW), as per the IEGC clause 5.2

T-34

Date	Time	Specifics
26-12-2020	10AM - 01PM	Team Solvina arrived at NEEPCO RANGANADI plant for primary frequency response test of generators (Unit-1, Unit-2 & Unit-3) at 3 load levels and started presentation & discussion with NEEPCO RANGANADI team, NERLDC and BHEL about the test programme, signals & schedule.
	03PM - 06PM	Team Solvina connected & verified all required signals, done scaling, performed signal check & SSPS safety functions check at Unit-1.
	06PM - 10:30PM	**Team Solvina completed PFR tests at Unit-1 at 110 MW:** ➢ Completed ripple filter test with steps of -0.01, -0.02, -0.03, +0.01, +0.02, +0.03 Hz ➢ Completed test below 50Hz with steps of -0.04, -0.06, -0.08, -0.10, -0.13 Hz ➢ Completed tests above 50Hz with steps of +0.04, +0.06, +0.08, +0.10, +0.13 Hz
27-12-2020	2:20PM - 5:30PM	**Team Solvina completed PFR tests at Unit-1 at 35 MW:** ➢ Completed test below 50Hz with steps of -0.04, -0.06, -0.08, -0.10, -0.13 Hz ➢ Completed tests above 50Hz with steps of +0.08, +0.10, +0.13 Hz ➢ Skipped 2 steps due to cavitation zone.
	7PM - 10:45PM	**Team Solvina completed PFR tests at Unit-1 at 135 MW:** ➢ Completed tests with steps of -0.04, -0.06, -0.08, -0.10, -0.13 Hz ➢ Completed tests with steps of +0.04, +0.06, +0.08, +0.10, +0.13 Hz
28-12-2020	10:30AM - 1PM	Team Solvina connected & verified all required signals, done scaling, performed signal check & SSPS safety functions check at Unit-3
	2:15PM - 5PM	**Team Solvina completed PFR tests at Unit-3 at 110MW:** ➢ Completed ripple filter test with steps of -0.03 & +0.03 Hz ➢ Completed tests with steps of -0.04, -0.06, -0.08, -0.10, -0.13 Hz ➢ Completed tests with steps of +0.04, +0.06, +0.08, +0.10, +0.13 Hz

28-12-2020	7:15PM - 9:45PM	<u>Team Solvina completed PFR tests at Unit-3 at 135MW:</u> ➢ Completed tests with steps of -0.04, -0.06, -0.08, -0.10, -0.13 Hz ➢ Completed tests with steps of +0.04, +0.06, +0.08, +0.10, +0.13 Hz
	10:10PM - 11:35PM	<u>Team Solvina completed PFR tests at Unit-3 at 35MW:</u> ➢ Completed tests with steps of -0.08, -0.10, -0.13 Hz ➢ Completed tests with steps of +0.08, +0.10, +0.13 Hz ➢ Skipped 2 steps due to cavitation zone
29-12-2020	01:30PM - 02:50PM	Team Solvina connected & verified all required signals, done scaling, performed signal check & SSPS safety functions check at Unit-2
	02:50PM - 7PM	<u>Team Solvina completed PFR tests at Unit-2 at 110MW:</u> ➢ Completed ripple filter test with steps of -0.03 & +0.03 Hz ➢ Completed tests with steps of -0.04, -0.06, -0.08, -0.10, -0.13 Hz ➢ Completed tests with steps of +0.04, +0.08, +0.10 Hz
	7:07PM - 09:15PM	<u>Team Solvina completed PFR tests at Unit-2 at 135MW:</u> ➢ Completed tests with steps of -0.04, -0.06, -0.08, -0.10, -0.13 Hz ➢ Completed tests with steps of +0.04, +0.06, +0.08, +0.10, +0.13 Hz
	09:15PM - 10:15PM	➢ Completed remaining steps of 110MW of +0.06 & +0.13Hz
30-12-2020	10:10AM - 11:30AM	<u>Team Solvina completed PFR tests at Unit-2 at 35MW:</u> ➢ Completed tests with steps of -0.08, -0.10, -0.13 Hz ➢ Completed tests with steps of +0.08, +0.10, +0.13 Hz ➢ Skipped 2 steps due to cavitation zone
	6PM - 7PM	Meeting with NEEPCO team to present onsite test report observations & signing-off with MOM

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
(A Govt. of India Enterprise)

ISO9001:2008, 14001:2004, OHSAS 18001:2007

संयंत्र प्रमुख का कार्यालय/ OFFICE OF THE HEAD OF PLANT

रंगानदी जल विद्युत संयंत्र :: RANGANADI HYDRO ELECTRIC PLANT
पो.ऑ : रंगानदी प्रोजेक्ट :: P.O. : RANGANADI PROJECT
याजली, अरुणाचल प्रदेश :: YAZALI, ARUNACHAL PRADESH-791119

Ph. No. 03779-222306
Fax : 03779-222222
e-mail: contact.rhep@gmail.com

No. NEEPCO/RHEP/HOP/T- 53/2020-21/ 1062 Dated the 15/07/2020

To.

M/s Solvina India Pvt. Ltd,
B-918, Advant Navis Business Park
Plot No.7, Sector : 142
Expressway Noida
Uttar Pradesh-201305

Kind Attn : Mr. Muhammad Shahzad Alam
e-mail : shahzad.alam@solvina.com

SUB: **ORDER FOR PRIMARY FREQUENCY RESPONSE TEST AS PER IEGC CLAUSE 5.2(G) OF 3X135 MW UNITS OF RANGANADI HE PLANT, NEEPCO, ARUNACHAL PRADESH**

Ref :-
1. L/No. NEEPCO/RHEP/GM(F/M)/T-27/08 dtd 17.06.2020
2. Your Letter No. Nil dtd. 18.06.2020
3. POSOCO/NLDC/Primary Response/ dtd. 13.05.2020

Dear Sir(s),

With reference to above, the undersigned on behalf of the North Eastern Electric Power Corporation is pleased to place this order on you for the work "Primary Frequency Response Test of 03 (three) Generating units of 3 x135 MW Ranganadi HF Plant, NEEPCO, Arunachal Pradesh as per IEGC clause 5.2(g)" for an amount of ₹ 11,71,740.00 (Rupees Eleven Lakhs Seventy One Thousand Seven Hundred and Forty) only including GST @ 18%. The Terms & Conditions of this contract is detailed herein-under.

A. SCHEDULE OF PRICES :

S.No	Description of Item	Unit	Qty	Unit Rate in ₹	Amount in ₹
1	Primary Frequency Response Test as per IEGC clause 5.2(g) of 03 (three) Generating units of 3 x 135 MW Ranganadi HE Plant, NEEPCO, Arunachal Pradesh.	Nos.	03 (three)	3,31,000.00	9,93,000.00
2	Add GST @ 18%				1,78,740.00
3	**Total**				**₹ 11,71,740.00**
4	Travelling Charges :o & fro ap to nearest Railway station/ Airport				As per Actual
5	Total Charges excluding Travelling Charge				**₹ 11,71,740.00**
	(Rupees Eleven Lakhs Seventy One Thousand Seven Hundred and Forty) only				

B. SCOPE OF Work:

The scope of work under this contract shall include the following work :

1. Primary Frequency Response Test as per IEGC clause 5.2(g) of 03 (three) units of Ranganadi HE Plant, NEEPCO, Arunachal Pradesh.
2. After completion of onsite testing of generator, reports to be submitted to the generator unit owner and POSOCO as per TOR.
3. The travel expense as per actual shall be reimbursed on production of documentary evidence for two persons.

C. TERMS & CONDITIONS

1. **Prices:** The prices indicated above are firm & fixed.

Contd P/2

2. **Taxes:** GST @18% shall be applicable for this contract . Please provide your GSTIN no. in invoice. Our **GSTIN** No. **12AAACN9991J4Z0.** Income Tax (TDS) will be deducted as per IT Rule.

3. **Order Value:** **₹ 11,71,740.00** (Rupees Eleven Lakhs Seventy One Thousand Seven Hundred and Forty) only inclusive of applicable GST @18%.

4. **Payment terms:**

Payment for the services provided shall be made on submission of Itemized Invoices accompanied by the receipt or other appropriate supporting documents in duplicate as per the following.

1. After completion of onsite testing of generators and submission of draft report (as per TOR) to the generating unit owner & POSOCO – 30%
2. After submission of Draft Report on model validation (to the generating unit owner and POSOCO) – 40%
3. After acceptance of Final Report for onsite testing of generator and model validation (by POSOCO) - 30%

Separate Invoices shall be submitted for testing charges and reimbursable expense separately. NEEPCO shall pay the Agency's Invoice within 30 days after the receipt by NEEPCO of such itemized invoice with supporting documents. Only such portion of an invoice that is not satisfactorily supported may be withheld from payment.

The Invoice must be submitted with the following details to the Engineer In-Charge for effecting e-payment.

i) Name & complete address of your firm as per bank record.
ii) complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Registration No.

6. **Completion period:** The job shall be completed as per approved schedule and procedure laid down by NLDC/POSOCO and shall follow all the statuary provisions, notified time to time by Central Government/State Government. Test on generator are to be completed within two days. NEEPCO will extend help and cooperation to complete the tests within two days, however in event of testing taking more than two days no extra payment will be paid for completion of tests (however travel expense will be paid).

The contract shall be valid for a period of 02 (two) years. Considering the prevailing situation, the schedule of Testing may be intimated to E-I-C well in advance upon normalization of situation for taking necessary action from his end.

7. **Engineer-In- Charge :** DGM(E/M), PH&SY(O&M), Dikrong Power House, Ranganadi HE Plant, NEEPCO, Hoz. Arunachal Pradesh shall be the Engineer-In-Charge of this contract and shall coordinate with firm for conducting the tests. Contact details of E-I-C : e-mail: tanyatali@neepco.co.in, Mobile No. : 9436012053.

The payment against this contract as specified above under clause no. 4 shall be released on due certification of the work completion by E-I-C.

8. **Conveyance :** The payment towards travel expense in India [Economy Class Airfare /Rail /Road(AC Taxi)] which shall be reimbursed limited to the rates applicable for Executive Level-E8 of POSOCO for maximum two persons. Local conveyance will be provided by NEEPCO.

9. **Accommodation :** Accommodation at Plant site shall be provided by NEEPCO at Plant Guest House free of charges. However boarding charges have to be borne by you.

Contd..P/3

10. Liquidated Damage (LD): No LD shall be applicable as per RfP.

11. Paying Authority : The DGM (Fin), F&A Wing , RHEP , NEEPCO Ltd, Yazali, P.O. Ranganadi Project, (791119), Dist. Lower Subansiri, Arunachal Pradesh .

Please acknowledge the receipt & unconditional acceptance of this order for our record. On acceptance of the work order, an agreement will be drawn up as per the prescribed format – 'Form of Contract' given in the RfP at a mutually agreed date.

Thanking you.

Yours faithfully,

(Dipankar Roy)
DGM (E/M), C&P
O/o the HOP, RHEP, NEEPCO
Yazali, Arunachal Pradesh

Memo No. NEEPCO/RHEP/HOP/T- 53 /2020-21/ 1063-68 Date: 15/12/2020

Copy to :-

1. The H.O.P., RHEP - for favour of kind information please. This has reference to his approval Dtd. 01.07.2020
2. The I/c G.M. (E/M), RHEP - for favour of kind information please.
3. The DGM (E/M), O/O the Executive Director (O&M), NEEPCO Ltd, Shillong for kind appraisal to ED (O&M) please.
4. The DGM (E/M), PH&SY(O&M), RHEP, Hoz for information & necessary action please.
5. The DGM (Finance), RHEP - for information please. A copy of approval of competent authority is enclosed herewith for ready reference please.
6. The Sr. Manager (C),vigilance wing, RHEP for information please

DGM (E/M), C&P
O/o the HOP, RHEP, NEEPCO

पावर सिस्टम ऑपरेशन कॉर्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

POWER SYSTEM OPERATION CORPORATION LIMITED

(A Govt. of India Enterprise)

पंजीकृत एवं केन्द्रीय कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016
Registered & Corporate Office : 1st Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016
CIN : U40105DL2009GOI188682, Website : www.posoco.in, E-mail : posococ@posoco.in, Tel. 011- 41035646, Fax : 011- 26530901

Ref: POSOCO/NLDC/Primary Response/ Date: 13th May 2020

To,

As per distribution list.

Sub: Regarding: *Testing of primary frequency response of generators as per IEGC clause 5.2(g) and informing modus-operandi to generating unit owners where testing is planned*

Reference:

1. Indian Electricity Grid Code (Fifth Amendment) Regulations, 2017 dated 12th April 2017
2. POSOCO Communication dated 12th Oct 2018, dated 23rd May 2019, dated 26th Jun 2019 and dated 4th Oct 2019 on the subject.

Dear Sir/Ma'am,

The Hon'ble Central Electricity Regulatory Commission (CERC), vide notification dated 12th April 2017, had notified Indian Electricity Grid Code (Fifth Amendment) Regulations, 2017. As per this notification, following proviso has been added at the end of Regulation 5.2 (g) of Part 5 of the Principal Indian Electricity Grid Code (IEGC) Regulations:

"Provided that periodic checkups by third party should be conducted at regular interval once in two years through independent agencies selected by RLDCs or SLDCs as the case may be. The cost of such tests shall be recovered by the RLDCs or SLDCs from the Generators. If deemed necessary by RLDCs/SLDCs, the test may be conducted more than once in two years."

In compliance of the regulation mentioned above, POSOCO has carried out necessary actions which were shared with all the generators from time to time. The developments in this regard are summarized below:

1. NLDC on behalf of RLDCs formulated a procedure in this regard and shared the details with generators vide letter dated 12th Oct 2018 from ED (NLDC)-POSOCO. In the letter, it was specifically mentioned that generators will directly place the Letter of Award(LoA) on the identified/allocated agency as per rate finalized by POSOCO. The copy of letter is enclosed at *Annexe-1*.
2. The modus-operandi in this regard was also intimated to Hon'ble CERC vide ED (NLDC)-POSOCO letter dated 12th Oct 2018. The copy of the letter is enclosed at *Annexe-2*.
3. A meeting with all generators was organized at POSOCO-NRLDC on 6th Jun 2019 to discuss the important clauses of Request for Proposal (RfP) document for primary frequency testing. The meeting invitation was given to all generators by POSOCO and is enclosed as *Annexe-3*. The meeting was attended by representatives of generators. In the meeting various clauses of RfP draft were discussed. The Minutes of Meeting (MoM) was shared with all participants vide CGM (NLDC)-POSOCO letter dated 26th Jun 2019. The copy of communication is enclosed as *Annexe-4*.
4. The RfP was reviewed and shared with all the five agencies selected during EOI stage. The copy of RfP and EOI documents were also shared with all the generators. The generators were requested for cooperation while carrying out testing. The copy of communication dated 4th Oct 2019 from POSOCO is enclosed as *Annexe-5*

स्वहित एवं राष्ट्र हित में ऊर्जा बचायें

Save Energy for Benefit of Self and Nation

5. Based on above, POSOCO has identified M/s Solvina India Pvt. Ltd.(Solvina) as per bidding procedure and has accepted the offer of Solvina to test 200 number of generating units at a cost of *Rupees Three Lakh Thirty One Thousand* (excluding GST) per generating unit. The POSOCO letter to M/s Solvina India Pvt. Ltd. in this regard and their acknowledgement is enclosed as *Annexe-6* & *Annexe-7* respectively. The other details of testing and facilities to be provided by the generating stations, would be as per RfP document. The generating units at the stations owned by your company have been selected for testing by M/s Solvina India Pvt. Ltd.

6. The Request for Proposal (RfP) document, Clause 26.2 of the document, it is mentioned that *"The Agency (ies) will coordinate with generating unit owners and award will be placed directly by generating unit on Agency(ies). The Agency's representative(s) who must have written power of attorney to sign a Contract on behalf of the Agency would be invited by the Generating Companies for signing the contract based on the price and the generators allotted. The Agency is expected to commence the assignment on the date and at the location agreed."* Accordingly, Generating Agencies are to place award for the testing activity.

7. M/s Solvina India Pvt. Ltd. has already been informed about the generating units allotted to them via meeting with POSOCO dated 27th Apr 2020. The copy of signed Minutes of Meeting (MoM) in this regard is enclosed as *Annexe-8*.

The general terms and condition of contract have been mentioned in Request for Proposal (RfP) document which shall be referred while finalization of award.

The contact details of representatives of M/s Solvina India Pvt. Ltd. are given below:

S.No.	Name	Contact No.(Mobile)	E mail-Id
1.	Mr. Mohammad Shahzad Alam	9910611184	shahzad.alam@solvina.com
2.	Mr Deepesh Yadav	9873302435	Deepesh.Yadav@solvina.com
3.	Mr. Saurabh Bhargava	8010180398	saurabh.bhargava@solvina.com
4.	Mr. Jaidev Oza	9925846756	jaidev.oza@solvina.com

It is kindly requested to coordinate with testing agency as above to carry out the envisaged testing in time. After the contract, the final schedule of testing shall be coordinated with respective RLDC/RPC and NLDC. POSOCO assures all necessary help and support in this regard.

Thanking You,

Yours faithfully,

(Debasis De)

Executive Director-NLDC

End.: As above

Copy to:

1. Member Secretary, NRPC/WRPC/SRPC/ERPC/NERPC
2. Executive Director, NRLDC/WRLDC/SRLDC/ERLDC/NERLDC
3. Mr. Shahzad Alam, M/s Solvina India Pvt. Ltd.

Minutes of Meeting (MoM) of discussion for allocation of generating units to carry out primary response testing on 27th Apr 2020 via Video/Audio-conferencing

Background: M/s Solvina India Pvt. Ltd. (Hereinafter referred as Solvina in this document) has qualified as L2 bidder and has accepted to match the price of L1 bidder. NLDC-POSOCO invited Solvina representatives for a discussion for allocation of generating units. In view of preventive measures being adopted for N-Covid 19, the meeting was held via Video-conferencing. The participants from all the five RLDCs, NLDC as well as Solvina were connected via video conferencing and discussions were carried out.

Gist of Discussions:

1. Sr. OM(SO)-NLDC welcomed the participants and informed the purpose of meeting to all the participants. The list of generating units to be allocated to Solvina has been prepared by NLDC in consultation with RLDCs is enclosed as Annexe-I. The list was presented before the forum for discussions. The generating units for allotment to Solvina have been identified on following basis:

   a. The generating units shall be under the purview of RLDC
   b. The generating units have been identified to cover all the five regions.
   c. The 200 generating units have been identified based on capability declared by Solvina at bidding stage
   d. The list of generating units cover a mix of generating stations whose tariff is determined by CERC and that of Independent Power Producers.
   e. In a generating plant OEM, vintage and rating of units has been considered to identify units to carry out tests.
   f. The travel by Testing Agency to carry out testing has also been considered. This is in line with Clause 26.1, Finalization of Award, which mentions "*The Client shall endeavour to allot the Generators for testing in such a way that travelling is optimal*".

2. On this list, Solvina representative informed that they have gone through the earlier version of list which was put on POSOCO website alongwith MoM of 6th Jun 2019 meeting with representatives of generating plant. Solvina requested to share the list with them as it will be difficult to list out the issues in two hundred units in the

FOR SOLVINA : DEEPESH YADAV

Rahul Shukla

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उपक्रम) (A Govt. of India Enterprise)
O/O THE DGM (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ओ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज. अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH 791119

Ph No. 03809-244346 (O)
Fax No. 03809-244222
E-mail: ranyatag@neepco.co.in

No. RHEP/DGM(E/M)/PH&SY(O&M)/T-S(M)/20 21/ 1622 Date 15/01/2021

To,

M/s Bharat Heavy Electricals Ltd
Spares & Service Business Group-Eastern Region
DJ-9/1, 3rd Floor, Karunamayee
Sector-II, Salt Lake City,
Kolkata – 700 091

SUB: ORDER FOR DEPUTATION OF BHEL EXPERT FOR HMC TUNNING OF ALL THREE UNITS OF RANGANADI POWER HOUSE

Ref : 1. Email Dated-11/12/2020
2. BHEL Offer No PS/SSBG-KOL/BPL/HRG-S/0020 Dtd. 24.12.2020

Dear Sir (s),

The Corporation is please to place this order for deputation of Engineers from M/s BHEL, Bhopal for tuning of HMC for all three units along with supervision during the primary frecuency response test of Ranganadi Hydro Electric Plant, NEEPCO Ltd., A.P. as per rates and terms & conditions indicated below.

Sl. No.	Particulars	Unit	Qty	Rate (₹)	Amount (₹)
1	Service Charges for deputation of BHEL HMC expert for tuning of HMC of all three units along with supervision during the primary frequency response test SAC Code-998349	Mandays	8	91,900.0	735200.00
				Total in ₹	7,35,200.00
				GST @ 18% in ₹	1,32,336.00
				Total in ₹	8,67,536.00
	(Rupees Eight Lakh Sixty Seven Thousand Five Hundred Thirty Six) only				

SCOPE OF WORK :

The scope of work under this contract shall include the tuning of HMC for all three units. The Engineers will thoroughly check the scheme and tune the HMC of all three units along with supervision during the primary frequency response test. The Engineer who will visit the site for execution of this work should have well expertise in Governor System. Any type of special tools /instrument, all type of communication cables, software CD etc required shall be in the scope of contractor. Your engineer shall report to Manager (E), PH&SY(M), Ranganadi Power House, Hoz, Arunachal Pradesh.

Approved for

TERMS & CONDITIONS :

1. **Price:** The Rates are firm and inclusive of GST as indicated above.

2. **Good & Service Tax (GST):** GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill. Our GSTIN No-12AAACN9901J1Z0.

Contd.....P/2

3. **Period of service:** Tentatively 8 (Eight) days of service will be required depending on the site conditions. However, the payment shall be made only for actual nos. of day of service. The nos. of days will be reckoned from the date of departure from your head quarter to the date of return at head quarter.

   The actual schedule of testing shall be intimated to you & your engineer shall report to site positively within one week from such intimation. Infact the work is already completed in all respect.

4. **Overtime Charges:** Over time charges beyond 8 hrs normal duty on weekdays at the rate of ₹ 22900.00 per hour for Engineer shall be paid extra. The Charges for Sunday & Holidays at the rate of ₹ 1,83,800.00 per man days for Engineer shall be paid extra.

   The Over time Charges shall be payable as per the actual requirement of the site and mutually agreed time with an Engineer in-charge or his representative.

5. **Traveling Expense:** To & fro traveling expense by Air / Rail- II AC / Road shall be reimbursed at actual against submission of documentary evidence. Local conveyance & accommodation at Project Guest house shall be provided by the Corporation free of charges. However fooding charges shall have to be borne by you.

6. **Payment:** 100% payment shall be made for actual nos. of days of service along with travelling expense after completion of job.
   You are requested to submit your bill in triplicate to this office with following details for effecting e-payment

   i) Name & complete address of your firm as per bank record.
   ii) Complete address of the Bank with Branch details.
   iii) Type of Bank Account (Saving/Current/Cash Credit).
   iv) Bank Account Number (Indicating Core Banking Account Number), if any.
   v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
   vi) Permanent Account Number (PAN) under Income Tax.
   i) GST Number (for supply of Goods and services) as applicable.
   ii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

7. **Place of work:** Dikrong Power House Site, Kanganadi Hydro Electric Plant, NEEPCO Ltd, Hoz, Papumpare Dist., Arunachal Pradesh.

8. **Consignee :** The Manager (E), PH & SY(M), Dikrong Power House , RHEP, NEEPCO Ltd., Hoz (Yayee), Dist. Papumpare, Arunachal Pradesh-791112.

9. **Paying Authority:** The DGM (Finance), Finance & Accounts Wing, RHEP, NEEPCO Ltd., Yazali, Pin – 791 119, Arunachal Pradesh.

10. **Force Majeure :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

Contd....P/3

11. Arbitration:

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

12. Your Service Engineers shall report to the Manager (E/M), PH&SY(M), Dikrong Power House, RHEP, NEEPCO, Hoz, Arunachal Prades-791117.

Please acknowledge the receipt & acceptance of this order for our record.

Thanking you.

Yours faithfully,

(TANYA PAUL)
DGM (E/M)
PH & SY (O&M), RHEP
NEEPCO Ltd., Hoj, A.P.

MEMO NO. RHEP/DGM(E)/PH&SY(O&M)/T-5(M)/2020 - 21/ 1693-1698 Date : 13/01/2021

Copy to:-

1. The Head of Project, RHEP-for favour of kind information please. This has a reference to his approval conveyed vide U.O. No. 1699 dtd. 08.01.2021
2. The G.M.(E/M), I/C, RHEP - for favour of kind information please.
3. The DGM (Finance), RHEP - for information & necessary action please. A copy of approval of HOP/RHEP is enclosed here with for his ready reference please.
4. The Sr. Manager (C), Vigilance Wing , RHEP for information please.
5. The Manager (E/M), PH Store, Hoj , RHEP, AP for information & necessary action please.
6. The Manager (E/M), PH&SY(M),Hoz - for information & necessary action. He is requested to coordinate with BHEL for deputation of engineer as per site requirement/schedule.
7. The In- Charge, Guest House, Hoz - for information and necessary action please.

DGM (E/M)
PH & SY (O&M)
RHEP, NEEPCO Ltd., Hoj, A.P.

FY 2020-2021 Annexure-13

MINUTES OF MEETING HELD BETWEEN REPRESENTATIVES OF M/S BHEL, BHOPAL AND M/S NEEPCO LTD.

Members present:

Representatives of NEEPCO Ltd.

1. Tanya Taji, DOM. (E)
2. Tarh Naga, Mgr. (E/M)
3. Bhaskar Mazumder, Mgr. (E/M)
4. Kuldip Kumar, Dy. Mgr. (E/M)

Representative of BHEL, Bhopal

1 Visnal Kumar Namdeo, Manager

The BHEL Engineer from Bhopal reached Power House Site on 25/12/2020 for the HMC (G40 Governor) Tuning in line with a Primary Frequency Response Test as per IEGC Grid Code of all three Units. During the visit following activities were carried out.

Unit-1:

(1) The Representative carried out the overall system healthiness check-up.
(2) The representative checked the manual follow up operation of guide vane mechanical limiter and guide vane position. The necessary adjustment of the same has been done and found working satisfactorily.
(3) The representative checked the governor operation in auto mode after adjustment of the auto Rod and found working satisfactorily.
(4) The no load starting opening parameter of Guide Vane is set at 14%.
(5) LVDT calibration was done as per GV stroke length.
(6) Guide Vane Cam switch for Open to No load of Master controller adjustment was done.
(7) The operation of the governor was checked in both speed and load control mode. The operation found satisfactory.

Unit-2:

(1) The Representative carried out the overall system healthiness check-up.
(2) The representative checked the manual follow up operation of guide vane mechanical limiter and guide vane position. The necessary adjustment of the same has been done and found working satisfactorily.
(3) The representative checked the governor operation in auto mode after adjustment of the auto Rod and found working satisfactorily
(4) The no load starting opening parameter of Guide Vane is set at 14%.
(5) Guide vane mechanical limiter setting was done by adjusting the OLG motor resistor.
(6) LVDT calibration was done as per GV stroke length.
(7) The operation of the governor was checked in both speed and load control mode. The operation found satisfactory.

Unit-3:

(1) The Representative carried out the overall system healthiness check-up.
(2) The representative checked the manual follow up operation of guide vane mechanical limiter and guide vane position. The necessary adjustment of the same has been done and found working satisfactorily.

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/O THE DGM (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ओ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791119

Ph No. 03809-244346 (O)
Fax No. 03809-244222
E-mail: tanyatajit@nhpcoo.co.in

ISO 9001:2008 & 15001

1035

No. RHEP/DGM(E/M)/PH&SY(O&M)/T-5(M)/20-21/ 1632 Date 15/01/2021

To,

M/s Bharat Heavy Electr cals Ltd
Spares & Service Business Group-Eastern Region
DJ-9/1, 3rd Floor, Karunamayee
Sector-II, Salt Lake City,
Kolkata – 700 091

SUB: ORDER FOR DEPUTATION OF BHEL EXPERT FOR HMC TUNNING OF ALL THREE UNITS OF RANGANADI POWER HOUSE

Ref : 1. Email Dated-11/12/2020
2. BHEL Offer No PS/SSBG-KOL/BPL/HRG-S/0020 Dtd. 24.12.2020

Dear Sir (s),

The Corporation is please to place this order for deputation of Engineers from M/s BHEL, Bhopal for tuning of HMC for all three units along with supervision during the primary frequency response test of Ranganadi Hydro Electric Plant, NEEPCO Ltd., A.P. as per rates and terms & conditions indicated below.

Sl. No.	Particulars	Unit	Qty	Rate (₹)	Amount (₹)
1	Service Charges for deputation of BHEL HMC expert for tuning of HMC of all three units along with supervision during the primary frequency response test. SAC Code-998349	Mandays	8	91,900.0	735200.00
				Total in ₹	7,35,200.00
				GST @ 18% in ₹	1,32,336.00
				Total in ₹	8,67,536.00
(Rupees Eight Lakh Sixty Seven Thousand Five Hundred Thirty Six) only					

SCOPE OF WORK :

The scope of work under this contract shall include the tuning of HMC for all three units. The Engineers will thoroughly check the scheme and tune the HMC of all three u nits along with supervision during the primary frequency response test. The Engineer who will visit the site for execution of this work should have well expertise in Governor System. Any type of special tools /instrument, all type of communication cables, software CD etc required shall be in the scope of contractor. Your engineer shall report to Manager (E), PH&SY(M), Ranganadi Power House, Hoz, Arunachal Pradesh.

TERMS & CONDITIONS :

1. **Price:** The Rates are firm and inclusive of GST as indicated above.

2. **Good & Service Tax (GST):** GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill. Our GSTIN No-12AAACN0991J1Z0.

Contd....P/2

3. **Period of service:** Tentatively 8 (Eight) days of service will be required depending on the site conditions. However, the payment shall be made only for actual nos. of day of service. The nos. of days will be reckoned from the date of departure from your head quarter to the date of reborn at head quarter.

   The actual schedule of testing shall be intimated to you & your engineer shall report to site positively within one week from such intimation. Infact the work is already completed in all respect.

4. **Overtime Charges:** Over time charges beyond 8 hrs normal duty on weekdays at the rate of ₹ 22900.00 per hour for Engineer shall be paid extra. The Charges for Sunday & Holidays at the rate of ₹ 1,83,800.00 per man days for Engineer shall be paid extra.

   The Over time Charges shall be payable as per the actual requirement of the site and mutually agreed time with an Engineer In-charge or his representative.

5. **Traveling Expense:** To & fro traveling expense by Air / Rail- II AC / Road shall be reimbursed at actual against submission of documentary evidence. Local conveyance & accommodation at Project Guest house shall be provided by the Corporation free of charges. However fooding charges shall have to be borne by you.

6. **Payment:** 100% payment shall be made for actual nos. of days of service along with traveling expense after completion of job.
   You are requested to submit your bill in triplicate to this office with following details for effecting e-payment

   i) Name & complete address of your firm as per bank record.
   ii) Complete address of the Bank with Branch details.
   iii) Type of Bank Account (Saving/Current/Cash Credit).
   iv) Bank Account Number (Indicating Core Banking Account Number), if any.
   v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
   vi) Permanent Account Number (PAN) under Income Tax.
   i) GST Number (for supply of Goods and services) as applicable.
   ii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

7. **Place of work:** Dikrong Power House Site, Ranganadi Hydro Electric Plant, NEEPCO Ltd, Hoz, Papumpare Dist., Arunachal Pradesh.

8. **Consignee :** The Manager (E), PH & SY(M), Dikrong Power House , RHEP, NEEPCO Ltd., Hoz (Yayee), Dist. Papumpare, Arunachal Pradesh-791112.

9. **Paying Authority:** The DGM (Finance), Finance & Accounts Wing, RHEP, NEEPCO Ltd., Yazali, Pin - 791 119, Arunachal Pradesh.

10. **Force Majeure :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), Invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

Contd.....P/3

11. Arbitration:

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act. No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

12. Your Service Engineers shall report to the Manager (E/M), PH&SY(M), Dikrong Power House, RHEP, NEEPCO, Hoz, Arunachal Prades-791112.

Please acknowledge the receipt & acceptance of this order for our record.

Thanking you.

Yours faithfully,

(TANYA JAIN) 15/1
DGM (E/M)
PH & SY (O&M), RHEP
NEEPCO Ltd., Hoj, A.P.

MEMO NO. RHEP/DGM(E)/PH&SY(O&M)/T-5(M)/2020 - 21/ 1633-1638 Date : 15/01/2021

Copy to:-

1. The Head of Project, RHEP–for favour of kind information please. This has a reference to his approval conveyed vide U.O. No. 1699 dtd. 08.01.2021
2. The G.M.(E/M), I/C, RHEP – for favour of kind information please.
3. The DGM (Finance), RHEP - for Information & necessary action please. A copy of approval of HOP/RHEP is enclosed here with for his ready reference please.
4. The Sr. Manager (C), Vigilance Wing , RHEP for information please.
5. The Manager (E/M), PH Store, Hoj , RHEP, AP for information & necessary action please.
6. The Manager (E/M), PH&SY(M),Hoz – for information & necessary action. He is requested to coordinate with BHEL for deputation of engineer as per site requirement/schedule.
7. The In- Charge, Guest House, Hoz – for information and necessary action please.

DGM (E/M) 15/1
PH & SY (O&M)
RHEP, NEEPCO Ltd., Hoj, A.P.

ANNEXURE-VIII

OPERATING & MAINTENANCE INSTRUCTIONS FOR EXTERNAL OIL COOLERS

1.0 INTRODUCTION
2.0 CONSTRUCTION
3.0 INSTALLATION
4.0 INITIAL START-UP
5.0 GENERAL INSTRUCTION FOR NORMAL OPERATION
6.0 GENERAL MAINTENANCE & REPAIR
7.0 DEFECT INVESTIGATION
8.0 PREVENTIVE MAINTENANCE (YEARLY)

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उद्यम) (A Govt. of India Enterprise)

O/o The DGM (E), PH&SY(O&M)

रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT

पो ओ : रंगानदी परियोजना : P.O. : RANGANADI PROJECT

होज: अरूणाचल प्रदेश

HOJ: ARUNACHAL PRADESH -791112

Ph No. 03809-244346 (O)

Fax No. 03809-244343/222

e-mail: tanyatazi@rediffma

1006

No. RHEP/DGM(E)/PH&SY(O&M)/T-5/2019 -20/ 3324 Date: 20/01/2020

To,

M/s Bharat Heavy Electricals Ltd
Spares & Service Business Group-Eastern Region
DJ-9/1, 3rd Floor, Karunamayee
Sector-II, Salt Lake City,
Kolkata – 700 091

Kind Attn. : Mr. K.Basu, Sr. DGM, SSBG

SUB: ORDER FOR SUPPLY OF LP LUB OIL COOLER FOR DIKRONG POWER HOUSE

Ref: 1. Our letter no. RHEP/DGM(E/M)/PH&SY(O&M)/T-5/19-20/1337 dtd. 23.07.19
2. Offer No. SB19K0321/HRG/BPH/0043 dtd. 11.11.19

Dear Sir(s),

The Corporation is pleased to place this order for supply of LP Lub Oil Cooler for Dikrong Power House of Ranganadi H.E. Plant, NEEPCO Ltd., Arunachal Pradesh as per specifications , prices, quantity and terms & conditions, Scope of Supply given below.

Sl No.	Description	Unit	Qty	Rate in ₹	Amount in ₹
1	LP Lub Oil Cooler Heat Dissipation Per Cooler (KW)-230 No of Tubes Per Cooler-540 Base Tube Material-90/10 Cu-Ni Tube Plate Material-MS Working Pressure (Kg/Cm²) (a)Shell Side-7 Kg/Cm² (b)Tube Side-5 Kg/Cm² Test pressure (Kg/Cm²) (a)Shell Side-10.5 Kg/Cm² (b)Tube Side-7.5 Kg/Cm² Overall Size-2800(L)X1000(W)X1450(H) Make-BHEL	Nos	2	2286350.00	4572700.00
				Total in ₹	4572700.00
				Add Freight & Insurance @5% in ₹	228635.00
				Total in ₹	4801335.00
				Add GST @18%	864240.30
				Total in ₹	5665575.30
				Say Total	56,65,575.00

(Rupees Fifty Six Lakh Sixty Five Thousand Five Hundred Seventy Five) only

A.SCOPE OF SUPPLY:

1. The Scope of Supply under this contract includes the Design, Manufacturing, Shop testing at manufacturers works before dispatch, supply, Delivery at site of LP Lub Oil Cooler for Dikrong Power House of Ranganadi H.E. Plant as per the detailed in the Schedule of Items & prices indicated above.

2. The Cooler under this contract shall have one to one matching with the mother equipmer Ranganadi HE Plant supplied by you.

3. In case of mismatching, the supplier shall be responsible for re-matching, re-manufacturing ar supply of material without any additional cost to the corporation.

4. The quality and property of material shall be as per the original specification.

B.TERMS & CONDITIONS :

1. **PRICES :** Prices indicated are firm & FOR Ex-works BHEL Bhopal basis inclusive of GS freight & transit Insurance charges as indicated above.

2. **ORDER VALUE :** ₹ 56,65,575.00 (Rupees Fifty Six Lakh Sixty Five Thousand Fiv Hundred Seventy Five) only inclusive of GST & Freight & Insurance Charges as indicate above.

3. **GOOD & SERVICE TAX (GST):** GST shall be paid extra on the supply parts at the time dispatch of material. The present rate of GST is 18%. Please provide your GST number the bill. **Our GSTIN No-12AAACN9991J4Z0**

4. **TERMS OF PAYMENT :**

   (i) 10 % (Ten percent) of basic of Value of PO shall be release as interest fr advance without submission of BG which is around ₹ 4,57,270.00 (Rupe Four Lakh Fifty Seven thousand Two hundred Seventy) only. You are request to submit invoice for release of 10% interest free advance

   (ii) Balance 90 % (ninety percent) payment along with 100% GST shall be ma against dispatch document through Bank with provision of part payment agair part dispatch.

   You are also requested to submit the following details along with your Bill / Invoice consignee for e-payment: **Our GSTIN No-12AAACN9991J4Z0**

   i) Name & complete address of your firm as per bank record.
   ii) Complete address of the Bank with Branch details.
   iii) Type of Bank Account (Saving/Current/Cash Credit).
   iv) Bank Account Number (Indicating Core Banking Account Number), if any.
   v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
   vi) Permanent Account Number (PAN) under Income Tax.
   vii) GST Number (for supply of Goods and services) as applicable.
   viii) E-mail address of the Vendor/authorized official along with Mobile No. receiving the update status of payment.

5. **Freight & Insurance:** Freight & Insurance Charges shall be paid extra @5% (Fi percent) on the basic cost of the materials. The material may please be dispatch throug any reputed transporter or courier to the having branch office nearest to Dikrong Pow House, NEEPCO Ltd, Hoz, Arunachal Pradesh with intimation to this office. Our Neare transport Head is Naharlagun, A.P. or North Lakhimpur, Assam. Transit Insurance of th material is under the scope of supplier. The consignment shall be duly insured for tran before dispatch.

6. **Delivery:** The delivery of the material shall be completed within 10 (months months from the date of issue of this order or release of 10% advance which is later However all efforts should be made to supply the materials as early as possible.

Contd...Pg 3

7. **GUARANTEE / WARRANTEE :** The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier.
Failure / Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair / replacement free of cost by the supplier. All incidental cost of such repair / replacement shall be to the supplier's account. If any defect be not remedied/replaced within a reasonable time, the purchaser may proceed that material at supplier's risk and expenses.

8. **PACKING & MARKING :** The supplier shall be responsible for securely protecting and packing the materials taking special care for protruding parts & such other vulnerable parts as per prescribed standard to withstand the journey ensuring the safety of the equipment. The consignment shall be clearly super scribed with the address of consignee.

9. **PAYING AUTHORITY:** The DGM (Finance), RHEP, NEEPCO Ltd., Yazali, Dist. - Lower Subansiri, Arunachal Pradesh, Pin - 791 119.

10. **CONSIGNEE:** The Manager (E), Power House store, RHEP, NEEPCO Ltd., Hoz (Yayee), Dist. Papumpare, Arunachal Pradesh-791112. You are requested to submit your invoice to the consignee for effecting payment.

11. **FORCE MAJEURE :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

12. **ARBITRATION:**
Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection

Please acknowledge the receipt and acceptance of this order for our record.

Thanking you.

Yours faithfully,

(Tanya Taji)
DGM (E/M)
PH & SY (O&M), RHEP,
NEEPCO Ltd., Hoz, A.P.

Contd P-4

Memo No. RHEP/DGM(E/M)/PH&SY(O&M)/T-5(M)/19-20/ 923-30 Date : 20/1/2020

Copy to :-

1. The H.O.P., RHEP - for favour of kind information please. This has reference to his approval conveyed vide UO No-2557, dtd. 16.01.2020
2. The GM (E/M), RHEP - for favour of kind information please. This has reference to his note conveyed vide U.O. No. 1941 Dtd. 17.01.2020
3. The DGM (Finance), RHEP - for information please. A copy of approval of competent authority is enclosed here with for his ready reference please.
4. The Sr. Manager (C), Vigilance cell RHEP for information please.
5. The Manager, PH&SY(M),Dikrong Power House, Hoj for information & necessary action Please.
6. The Manager (E), PH Store, RHEP, HOJ for information & necessary action please.

DGM (E/M),
PH & SY (O&M) RHEP,

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
हौज सिविल मेंटेनेंस विंग, हौज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 327 Dtd: 10/08/2020

To,

M/S Taha Tana Tara Construction Agency
Hoz-Yayee, Papum Pare
Arunachal Pradesh.

Sub: Work order for "Construction of cement concrete pavement to improve the road gradient of access road to 400Kv switchyard at Dikrong Power House, Hoj, A.P."

Ref: NIT no: 03/2020-21/HCMW Dtd 11/05/2020

Dear Sir,

With reference to the above NIT, the work for **"Construction of cement concrete pavement to improve the road gradient of access road to 400Kv switchyard at Dikrong Power House, Hoj, A.P."** The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this confirmatory work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** As per specifications if BOQ.
3) **Value of Work: Rs 12, 63,310.00**(Rupees Twelve Lakhs Sixty Three Thousand Three hundred and Ten).
4) **Time of completion:** 60 (Sixty) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
11) **Mode of payment:** 90 %(Ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

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13) **Paying Authority:** The Dy. General Manager (F), F&A wing, RHEP, NEEPCO Ltd, Arunachal Pradesh.

14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-ju[illegible]ial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 351-55 Dtd 10/08/2020

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 547 Dtd 04/07/2020
2) The General Manager(C), RHEP for favour of information plz.
3) The Dy. General Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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BOQ

Annexure-A

Name of work:

Construction of cement concrete pavement to improve the road gradient of access road to 400Kv switchyard at Dikrong Power House, Hoj, A.P.

NIT NO.

03/2020-21/HCMW dtd. 11/05/2020

Sl. No.	Item	Unit	Qntty	Rate	Amount
1	Back filling with stone boulders of sizes 150mm and below	CuM	117.600	1013.00	119128.80
2	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing)	CuM	100.800	11351.00	1144180.80
				Total =	1263309.60
				Say Rs	12,63,310.00

(Rupees Twelve Lakhs Sixty Three Thousand Three hundred and Ten) only

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हीच सेंट्रल एडिनस्ट्रेशन सेंटर
Hoj, Arunachal Pradesh

Dy. General Manager (C)
Hoz Civil Maintenance Wing,
RHEPNEEPCO Ltd.
Hoz (A.P.)

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ISO 9001-2008

ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taha Tana Tara Construction Agency has completed the work," Construction of cement concrete pavement to improve the road gradient of access road to 400 Kv switchyard at Dikronf Power House, Hoj, A.P" as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2020-21/350 dtd 10/08/2020 , *in all respect on 24/09/2020 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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Potin to DPH in phase manner (Phase-I) AND Erection of new 33 kV self-supporting Tower line from Potin to DPH in phase manner (Phase-II)		Commission vide order dated 5.1.2016 in Petition No. 40/GT/ 2015, on projected estimate. However, on implementation, the actual expenditure incurred is Rs.51.65 lakh and the increase in the expenditure is attributed to multiple re-alignment of the 33 kV line, which was done additionally to facilitate construction of Trans-Arunachal Highway at different locations. The Respondent APDCL has submitted that the additional accrued cost should be realised from the authority for which the re-alignment expenses is necessitated. Therefore, this should be a deposit nature of work and may not be loaded in tariff.	of the asset/ work which was already allowed vide order dated 5.1.2016 in Petition No. 40/GT/ 2015, the same is **allowed.** It is noticed that Commission vide order dated 5.1.2016 in Petition No. 40/GT/2015 had allowed a total projected expenditure of Rs.20.00 lakh during 2014-19 (i.e Rs.10.00 lakh each during 2015-16 and 2016-17) and had also considered an amount of Rs.16.28 lakh as the de-capitalized value of the old asset (i.e. Rs.7.94 lakh in 2015-16 and Rs.8.34 lakh in 2016-17) with respect to the said work/ asset. As against the said expenditure allowed, the Petitioner has capitalised actual amount of Rs.51.65 lakh in 2018-19. The Petitioner has, however, not indicated the de-capitalized value of the old asset in this petition. Accordingly, the de-capitalized value of the old asset has been considered under 'Assumed Deletions'.
Raising of tail pool wall of Dikrong Power House, Hoz. RHEP	71.77	The expenditure was allowed by order dated 5.1.2016 in Petition No. 40/GT/2015 for Rs.100 lakh. The completion of the work for two sections amounting to Rs.71.77 lakh has been done, which was necessary to ensure the safe operation	As the additional capital expenditure claimed is in respect of the asset/ work which was already allowed vide order dated 5.1.2016 in Petition No. 40/GT/2015, the same is **allowed.**

		of the generating station. The Respondent APDCL has submitted that the Petitioner had deferred the work from 2017-18 to 2018-19 which may lead to extra expenditure, thereby increasing the tariff of the Project for reasons attributable to the Petitioner.	
Purchasing of new Distribution transformer (2 Nos) 11/.4 kV, 630 KVA	31.86	An expenditure of Rs.4.23 lakh was allowed by order dated 5.1.2016 in Petition No. 40/GT/2015, on estimated bases. However, on implementation, an actual expenditure of Rs.22.28 lakh was incurred. The Respondent APDCL has submitted that the Commission may examine and decide accordingly.	As the additional capital expenditure claimed is in respect of the asset/ work which was already allowed vide order dated 5.1.2016 in Petition No. 40/GT/2015, the same is **allowed.** It is noticed that the justification submitted by the Petitioner do not relate to the said asset/ work claimed. However, it is observed that the Petitioner in Petition No. 40/GT/2015 had claimed expenditure on this asset, on replacement basis and the Commission vide its order dated 5.1.2016 had allowed additional capitalisation of ₹30 lakh in 2018-19 and had considered an amount of Rs.7.00 lakh as the de-capitalized value of the old asset with respect to this asset/ work. As against the expenditure allowed, the Petitioner has capitalised an actual amount of Rs.31.86 lakh in 2018-19. The Petitioner has, however, not indicated de-capitalized value of

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रेंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश / YAZALI, A.P-791119
हेड सिविल मेंटेनेंस विंग, होज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 282 Dtd: 22/9/20

To,

M/S TANA SENKAM
Hoz-Yayee, Papum Pare
Arunachal Pradesh.

Sub: Work order for "WBM for new formation cutting of surge shaft road re-alignment at chainage 1000.00 to 1180.00 from surge shaft approach gate at hoz, RHEP, A.P."

Ref: NIT no: 15/2019-20/HCMW Dtd 06/03/2020

Dear Sir,

With reference to the above NIT, the work for **"WBM for new formation cutting of surge shaft road re-alignment at chainage 1000.00 to 1180.00 from surge shaft approach gate at hoz, RHEP, A.P."** The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this confirmatory work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** WBM for new formation cutting at surge shaft road.
3) **Value of Work: Rs** 7, 12,176.00(Rupees Seven Lakhs Twelve Thousand One Hundred and Seventy Six Only).
4) **Time of completion:** 30 (Thirty) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 90 %(Ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

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13) **Paying Authority:** The Dy. General Manager (F), F&A wing, RHEP, NEEPCO Ltd, Ya... Arunachal Pradesh.

14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts a... amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities o... contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-ju...al court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/383-87 Dtd 22-09-20

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 346 Dtd 09/06/2020
2) The General Manager(C), RHEP for favour of information plz.
3) The Dy. General Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Scanned with ACE Scanner

BOQ

Name of work: WBM for New formation cutting of surge shaft road re-allignment at chainage 1000.00 to 1180.00 from surge shaft approach gate near TAH, hoz, A.P.

NIT NO. 015/2019-20/HCMW dtd. 06/03/2020

Sl. No.	Item	Unit	Qntty	Rate	Amount
(i)	Preparation of sub grade (Preparation of sub grade by excavating earth to an average depth of 22.50 cm, dressing to camber and consolidating with road roller, making good the undulations etc. and disposal of surplus earth, lead upto 50 m.)	Sqm	954.00	99.00	94446.00
(II)	Consolidation of sub-grade with road roller of 8 to 12 tonne capacity including making good the undulations etc. with earth or quarry spoils etc. and rerolling the sub grade.	Sqm	954.00	4.90	4674.60
(III)	Granular Sub-base with Close Graded Material. By Mix in Place Method (Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401) for grading- I Material	Cum	95.40	2685.00	256149.00
(IV)	Water Bound Macadam (Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density.) By Manual Means. Grading- I (Using Screening Crushable type such as Moorum or Gravel) Using Screening Crushable type such as Moorum or Gravel	Cum	101.25	3525.00	356906.25
				Total=	712175.85
				Say =	7,12,176.00

(Rupees Seven Lakh Twelve Thousand One Hundred and Seventy Six) Only

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
होज सिविल मेंटिनेन्स विंग
Hoz, Arunachal Pradesh

Dy. General Manager (C)
Hoz Civil Maintenance Wing,
RHEPNEEPCO Ltd.
Hoz, (A.P.)

Scanned with ACE Scanner

ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S TANA SENKAM has completed the work," WBM for New formation cutting of surge shaft road realignment at chainage 1000.00m to 1180.00 from from surge shaft approach gate." as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2020-21/382 dtd 22/09/2020 , *in all respect on 30/09/2020 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

Scanned with ACE Scanner

FY 2020-2021 Annexure-17

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A GOVT. OF INDIA ENTERPRISE)
O/O Dy. General Manager (E/M): US&W$_1$
Ranganadi Hydro Electric Plant
P.O. – Ranganadi Project, Lower Subansiri Dist.
Arunachal Pradesh – 791 119 Ph. No. 03809-222268 (O).
FAX NO.03809-222277 /222242

No. RHEP/DGM (E)/US&W/T-8 (Vol-VI)/2019-20/ /224 Dated -09.01.2020.

To,

M/s. Garuda Power Pvt. Ltd.,
Ex- Police Line, Tezpur-784001
A S S A M.

Ph. No. 03712-220936 & Fax No. 03712-221079

SUB:- **Order for Supply, Erection Testing & Commissioning of new 250 KVA Acoustic DG Set at Dam site, RHEP.**

REF:- Your Quotation No. Quo-05000000201860 Dtd. 23/12/2019.

Sir(s),

The undersigned on behalf of the Corporation is pleased to place this order for supply, erection, testing and commission of new 250 KVA Acoustic DG Set powered by Cummins Engine, Model 6L8.9TAAG4 with Standard panel, at Dam site, RHEP, Yazali (A.P.), as per quantity, rate, specifications and Terms & Conditions given below.

Sl. No	Description of Item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1.	250 KVA Acoustic D.G. Set powered by Cummins Engine Model 6L8.9TAAG4 with std. panel, including erection, commissioning & testing.	No.	1	1821600.00	18,21,600.00
				IGST 18% Rs.	3,27,888.00

Total Rs. - 21,49,488.00
(Rupees Twenty one Lakh Forty Nine Thousand Four Hundred Eighty Eight) only.

Terms and Conditions:

1. **Price:** - The above rates are as per 'FOR site basis' which shall firm till completion of the work.
2. **Tax:** - The above mentioned amount is inclusive of GST. Any statutory changes in local and Central Govt. taxes, shall be applicable from the date they are made effective and payment shall be made accordingly.
3. **Payment:** - 100% payment of Rs. 2149488.00, shall be made through E-Payment on submission of bill in triplicate after received of material, erection and successful commission of the DG set at site to the full satisfaction of the u/s or any authorized officer.
   The amount of Rs. 190000.00 (Rs. One lack ninety thousand) + 18% GST shall be credited in the purchaser A/c as the cost of 380 KVA DG set installed at Dam site, Engine Model-KTA 1150, against the buyback scheme, which shall be taken by them from site at their own cost.
   The following information may kindly be furnished for release of the payment: -

   i) Name & complete Address of the Supplier/Contractor as per Bank record.
   ii) Name & complete Address of the Bank with Branch detail.

iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number) if
v) IFSC/NEFT Code (11 digit)/ MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) Both the GSTIN should be mentioned in your Invoices/Bills i.e. the Co and the Consignor. RHEP GSTIN is **12AAACN9991J4Z0**.
viii) HSN or SAC Code against the materials should be mentioned i Invoices/Bills.
ix) The Invoices/Bills should be clearly mentioned with CGST, SGST, IG applicable.
x) E-mail address of the vendor/authorized official along with Mobile No. receiving the update status of payment).

4. **Delivery:** - Delivery of materials, erection, commiasion & testing should be comp within 2 -3 (months) from the date of issue of this letter. Considering the urgen the requirement, you are requested to complete the same as earliest.
5. **Freight:** -All Freight charges shall be in your account up to the supply of the DG to the allocated destination as specified which is Dam Site, 41 km.
6. **Insurance:** The scope of insurance for the new DG set supplied shall be under purview of the Corporation. The material shall be insured/covered for transit, fr your site to Dam Site of RHEP under Transit Insurance (Marine) open policy N 53010421190200000001 (Marine Cargo)of New India Assurance Co. Ltd., Nor Lakhimpur (Assam), Fax No. 03752-222262, E-Mail: nia.530104@newindia.co.i Please intimate to this office well in advance for intimation to M/s New Ind Assurance Co. Ltd, for insurance of material.
7. **Consignee:** - The Sr. Manager (C), S&T: RHEP, NEEPCO Ltd. Yazali P. O. – Ranganad Project, Pin – 791119, Phone Cum Fax – 03809/222243.
8. **Paying authority:** - DGM(F), F & A Wing, RHEP: NEEPCO Ltd. 43 Km Yazali, A. P.
9. **Packing & forwarding:** - The supply shall be responsible for securely protecting and packing the equipment taking special care for protruding parts and such other vulnerable parts as per prescribe slandered to with stand the journey ensuring. The safety of the equipment the consignment shall be inscribe with address of consignee.
10. **Foundation drawing:** - Foundation for installation of DG Set, Earthing, Cable shall be arranged by NEEPCO, however foundation detail drawing for DG Set, Cable trench etc. have to be to be furnished within 20(Twenty) days after receipt of order.
11. **Erection & Commissioning:** - The erection of the DG set is totally under the scope of the contractor. Any spares/ component not specifically mentioned but required for the successful commissioning of the machine shall be provided by the supplier at no extra cost to the Corporation. However unskilled manpower required during erection, if any shall be provided by the Corporation.
    During erection of the DG set, free accommodation for service /commissioning Engineers shall be provided by the Corporation.
    Any Consumables required for the erection, i.e. diesel water, cotton waste, Lubricant, oil (if required) shall also be provided by the Corporation.
12. **Tests:** - All the required initial test and calibration chart shall be conducted on the DG Set as per relevant IS Code by the supplier at their works without any extra of cost to the corporation. The Test Certificate and calibration chart, in triplicate, are to be forwarded to this Office for record. The acceptance of Test report and calibration chart by the corporation shall not absolve the supplies responsibility towards satisfactory performance of the equipment.
13. **Guarantee/warrantee:**
    i) The equipment shall be guaranteed against any manufacturing, design or any other defect for a period of 2(Two) years from the date of delivery or 5000 hrs. of operation, whichever is earlier.
    ii) The Firm shall supply the material and arrange for its successful commissioning to the satisfaction of the Consignee/Engineer-In-Charge. If the materials supplied are found defective the same shall be replaced by the supplier without any additional cost to the Corporation immediately on intimation from this end.

14. **Liquidated Damage**: - IF the Firm fails to supply material within the stipulated time as mentioned in delivery clause of this order, then the Corporation reserves the right to levy liquidated damage from the firm a sum equivalent to 0.5% (zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 10% (ten) of the total value of the order.

15. **Force Majeure**:- The term "Force Majeure" shall, herein, mean nots (other than among the Contractor's employees) Civil commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-charge, whose decision shall be final and binding.

16. **Arbitration**: - Any dispute in respect to which

a) The decision, if any, of the Engineer-in-charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference on pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Plant of RHEP, NEEPCO or by his duly authorized representative out of a panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act. No. 26 of 1996) and any Rules made there under and to such other order or orders, instruction issued by the Govt. of India from time to time in this Connection.

Please acknowledge the receipt & acceptance of this order for our record.

Thanking You.

Yours Sincerely,

DGM (E/M),
US & W,RHEP
NEEPCO Ltd., Yazali, A.P

NOT IN ORIGINAL
MEMO No. RHEP/DGM(E)/US&W/T-8(Vol.-VI)/19-20/1225-3 / Dtd. 9/01/2020.

Copy to: -

1. The H.O.P, RHEP – for favour of kind information please. This has reference to his approval conveyed vide U.O. No. 2502 Dtd. 07/01/2020.
2. The DGM (E/M), i/c GM(E/M), RHEP - for kind information please.
3. The DGM(Finance), RHEP – for information & necessary action please. Copy of the approved note sheet is enclosed herewith for reference.
4. The DGM(HR), RHEP, for information & n/a please, with a request for arranging accommodation of the Service/ Commissioning engineers during erection of the DG set.
5. The Sr. M (E), S&T: RHEP, NEEPCO Ltd. for information & necessary action please.
6. The Sr. Manager(C), Vigilance Wing, RHEP – for information please.
7. File: T-8(Pt-II, Vol-II) & T-50(Vol-XVII) - for record.

DGM (E/M),
US & W,RHEP
NEEPCO Ltd., Yazali, A.P

E/C

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
पैन्योर लोअर हाइड्रो पावर स्टेशन : PANYOR LOWER HYDRO POWER STATION
सड़क और इमारत विभाग : Road and Building (M) Department
याजली, अरुणाचल प्रदेश : Yazali, Arunachal Pradesh

COMPLETION CERTIFICATE

Name of work	:	Construction of Breast wall and drain along Pitapool Damsite road from Ch. 1700.00m to 1840.00m (Ch. 0.00m at PLHPS Dam main gate), PLHPS, NEEPCO Ltd. Ar. Pr
Name of Contractor	:	M/s Nabam Tad, Vill: - Amchi, Dist: Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	11535, Page no: 33 of 43
Work order no.	:	NEEPCOPLHPS/GM(C)/201/2022-23/7230 Dtd. 16.03.2023
Agreement no.	:	NEEPCO/PLHPS/GM(C)/246/100 Dated. 16.03.2023
Date of Start	:	16.03.2023
Date of completion as per W.O.	:	16.05.2023
Actual Date of Completion	:	23.04.2023
Value of work	:	₹ 25,90,802.00/-

Certified that the work has been physically completed on 23.04.2023 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

28/4/23

Sr. Manager(C), R&B(M)

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
पैन्योर लोअर हाइड्रो पावर स्टेशन :: PANYOR LOWER HYDRO POWER STATION
सड़क और इमारत विभाग :: Road and Building (M) Department
याजली, अरुणाचल प्रदेश :: Yazali, Arunachal Pradesh

COMPLETION CERTIFICATE

Name of work	:	Construction of Breast wall and drain along Pitapool Damsite road from Ch. 2150.00m to 2275.00m (Ch. 0.00m at RHEP Dam main gate), RHPS, NEEPCO Ltd. Ar. Pr.
Name of Contractor	:	M/s T. R. Enterprise, Vill: - Rub, Dist: Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	10581, Page no: 126 of 134
Work order no.	:	NEEPCO/RHPS/GM(C)/201/2022-23/7263 Dtd. 22.03.2023
Agreement no.	:	NEEPCO/RHPS/GM(C)/246/102 Dated. 22.03.2023
Date of Start	:	22.03.2023
Date of completion as per W.O.	:	22.05.2023
Actual Date of Completion	:	23.04.2023
Value of work	:	₹ 24,65,009.00/-

Certified that the work has been physically completed on 23.04.2023 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

26/4/23

Sr. Manager(C), R&B(M)

COMPLETION CERTIFICATE

Name of work	:	Construction of Breast wall and drain along Pitapool Damsite road from Ch. 2275.00m to 2400.00m (Ch. 0.00m at RHEP Dam main gate), RHPS, NEEPCO Ltd. Ar. Pr.
Name of Contractor	:	M/s Akin Wooden Furniture, Vill: - Yazali, Dist: Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	10996, Page no: 104 of 114
Work order no.	:	NEEPCO/PLHPS/GM(C)/201/2022-23/7272 Dtd. 22.03.2023
Agreement no.	:	NEEPCO/PLHPS/GM(C)/246/103 Dated. 22.03.2023
Date of Start	:	22.03.2023
Date of completion as per W.O.	:	22.05.2023
Actual Date of Completion	:	23.04.2023
Value of work	:	₹ 24,64,583.00/-

Certified that the work has been physically completed on 23.04.2023 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

26/4/23

Sr. Manager(C), R&B(M)

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

T-101/2021

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021

To,

M/s B.Y.Enterprise
Vill:- Yazali
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along Pitapool-Dam site road from Ch. 49.00 m to Ch. 210.00 m towards Pitapool,RHEP,A.P. (Ch. 0.00 at abandoned gammon quarry) GROUP-I**

Ref: This office NIT no. RHEP/GM/25/2020-21 dtd. 16.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along Pitapool-Dam site road from Ch. 49.00 m to Ch. 210.00 m towards Pitapool,RHEP,A.P. (Ch. 0.00 at abandoned gammon quarry) GROUP-I** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along Pitapool-Dam site road from Ch. 49.00 m to Ch. 210.00 m towards Pitapool,RHEP,A.P. (Ch. 0.00 at abandoned gammon quarry) GROUP-I** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 14,95,659.00** (Rupees fourteen lacs ninety five thousand six hundred fifty nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 90** (Ninety) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

AM(C)-II, RHEP

~523

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate**: - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M). RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you,

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO Ltd,Yazali,A.P.

Memo No: - NEEPCO/RHEP/GM(C)/ 2020-21/ 718-21 Dated 05.02.2021

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Sr.Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 816 dtd. 29.01.2021
3. The Sr.Manager©, R&B(M),RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO, Ltd.azali(A.P)

Construction of breast wall along Pitapool Damsite road from abandoned gammon quarry towards Pitapool (Ch. 49.00m to 210.00m),RHEP,A.P. GROUP-1					Annexure-I
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification including setting out, construction of shoring and bracing,removal of stumps and other deleterious matter, dressing of sides and bottom and back filling with approved materials. 1. Ordinary soil A. Means (i) upto 3 m depth	Cum	555.000	192.00	**106560.00**
2	P.C.C.1:3:6 in foudation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	43.956	8481.00	**372790.84**
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	135.975	7203.00	**979427.93**
4	Back filling behind abutment, wing wall and retrun wall complete as per drawing and technical specification . A. Granular material.	Cum	16.650	2215.00	**36879.75**
					1495658.51
				Say	**14,95,659.00**

(Rupees fourteen lacs ninety five thousand six hundred fifty nine) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्ट्रर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

T-101/2021

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021

To,

M/s T.J.Enterprise
Vill:- Potin,
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along Pitapool Dam-site road from Ch. 210.00 m to Ch. 300.00 m RHEP,A.P. (Ch.0.00m at abandoned gammon quarter) GROUP-I.**

Ref: This office NIT no. RHEP/GM/29/2020-21 dtd. 19.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along Pitapool Dam-site road from Ch. 210.00 m to Ch. 300.00 m RHEP,A.P. (Ch.0.00m at abandoned gammon quarter) GROUP-I.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along Pitapool Dam-site road from Ch. 210.00 m to Ch. 300.00 m RHEP,A.P. (Ch.0.00m at abandoned gammon quarter) GROUP-I.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in-charge (EIC).
2. **Value of work: - 11,05,289.00** (Rupees eleven lacs five thousand two hundred eighty nine) only which is inclusive of all applicable taxes.
3. **Time of completion:** - **60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

8/02/2021

AM(C)-II

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO, Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 713-14 **Dated 05.02.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No.817 dtd. 29.01.2021.
3. The Sr.Manager©,R&B(M),RHEP,NEEPCO Ltd,Yazali,A.P.for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Name of the work: :Construction of Beast wall along Pitapool Damsite Road from Ch. 210.00m to Ch. 300.00m RHEP,A.P. (Ch. 0.00m at abandoned Gammon Quarry) GROUP-I					Annexure-I
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification ,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)I.Ordinary soil A. Manual means (i) Depth upto 3 m	Cum	410.000	190.00	77900.00
2	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	32.472	8490.00	275687.28
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	100.450	7212.00	724445.40
4	Back filling behind abutment, wing wall and return wall complete as per drawing and technical specification . A. Granular material	Ton	12.300	2216.00	27256.80
					1105289.48
				Say	**11,05,289.00**

(Rupees eleven lacs five thousand two hundred eighty nine) only

General Manager ©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्ट्रर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

T-101/2021

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021

To,

M/s Kullu Enterprise
Vill:- Pitapool
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wal along Pitapool Damsite road from Ch. 328.00m to Ch. 450.00 m towards Pitapool. RHEP,A.P. (Co. 0.00 m at abandoned gammon quarry).**

Ref: This office LNIT no. RHEP/GM/24/2020-21 dtd. 16.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wal along Pitapool Damsite road from Ch. 328.00m to Ch. 450.00 m towards Pitapool. RHEP,A.P. (Co. 0.00 m at abandoned gammon quarry).** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wal along Pitapool Damsite road from Ch. 328.00m to Ch. 450.00 m towards Pitapool. RHEP,A.P. (Co. 0.00 m at abandoned gammon quarry).** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:** - **15,63,689.00** (Rupees fifteen lacs sixty three thousand six hundred eighty nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 90** (Ninety) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of 1 **(one) year** from the certified date of completion of work in all respect. Any defect in the work,

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detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of 1 **(one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 738-41 **Dated 05.02.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Sr.Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 812 dtd. 29.01.2021.
3. The Sr.Manager©, R&B(M), RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEPNEEPCO. Ltd.azali(A.P)

Name of the work: :Construction of breast wall along Pitapool Damsite road from Ch. 328.00m to 450.00m towards Pitapool.RHEP.A.P. (Ch.00.00m at abandoned quarry)					Annexure-I
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification including setting out, construction of shoring and bracing,removal of stumps and other deleterious matter, dressing of sides and bottom and back filling with approved materials. 1. Ordinary soil A. Means (i) upto 3 m depth	Cum	580.000	193.00	111940.00
2	P.C.C.1:3:6 in foudation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	45.936	8480.00	389537.28
3	in foundation complete as per drawing and technical specification B. Random Rubblel Masonry	Cum	142.100	7204.00	1023688.40
4	Back filling behind abutment, wing wall and retrun wall complete as per drawing and technical specification . A. Granular material.	Cum	17.400	2214.00	38523.60
					1563689.28
				Say	**15,63,689.00**

(Rupees fifteen lacs sixtty three thousand six hundred eighty nine) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

T-101

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Government of India Enterprise)

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

425
Date 2/4/21

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 28.01.202

To,

M/s T.R.Enterprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along Pitapool Dam site road from Ch. 903 .00m to 968.00m (Ch. 0.00 at RHEP Dam main gate), Yazali,A.P. (GROUP-I)**

Ref: This office NIT no. RHEP//GM/ 21/2020-21 dtd. 26.11.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along Pitapool Dam site road from Ch. 903 .00m to 968.00m (Ch. 0.00 at RHEP Dam main gate), Yazali,A.P. (GROUP-I))** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along Pitapool Dam site road from Ch. 903 .00m to 968.00m (Ch. 0.00 at RHEP Dam main gate), Yazali,A.P. (GROUP-I)** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in-charge (EIC).
2. **Value of work: - 8,75,989.00** (Rupees eight lacs seventy five thousand nine hundred eighty nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy GeneralManager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP.NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 638-41 Dated 28.01.2021

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 18.01.2021
2. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No758 Dtd. 07.01.2021.
3. The Sr.Manager©, R&B(M),RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO. Ltd azali(A.P)

Name of the work: : Construction of breast wall along Pitapool Dam site road from Ch. 903.00m to 968.00m (Ch. 0.00 at RHEP Dam Main Gate),Yazali,A.P..**(GROUP-I)**					**Annexure-I**
		Unit	Qntity	Rate	Amount
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification ,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)I.Ordinary soil A. Manual means (i) Depth upto 3 m	Cum	**325.000**	192.620	62601.50
2	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	**25.740**	8480.810	218296.05
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	**79.625**	7202.740	573518.17
4	Back filling behind abutment, wing wall and return wall complete as per drawing and technical specification . A. Granular material	Ton	**9.750**	2212.640	21573.24
					875988.96
				say	**875989.00**

(Rupees eight lacs seventy five thousand nine hundred eighty nine) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

T-101/2021

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021.

To,

M/s T.R.Enterprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along Pitapool Dam-site road from Ch. 968.00 m to Ch. 1033.00 m (Ch. 0.00 at Dam main gate) Yazali,A.P. GROUP-II.**

Ref: This office NIT no. RHEP/DGM/31/2020-21 dtd. 21.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along Pitapool Dam-site road from Ch. 968.00 m to Ch. 1033.00 m (Ch. 0.00 at Dam main gate) Yazali,A.P. GROUP-II** .as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along Pitapool Dam-site road from Ch. 968.00 m to Ch. 1033.00 m (Ch. 0.00 at Dam main gate) Yazali,A.P. GROUP-II.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 8,71,146.00** (Rupees eight lacs seventy one thousand one hundred forty six) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be

made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO Ltd,Yazali,A.P.

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 723-26 **Dated 05.02.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 811 Dtd. 29.01.2021.
3. The Sr.Manager©, R&B(M),RHEP,NEEPCO Ltd. Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager ©

RHEP, NEEPCO. Ltd.azali(A.P)

	Name of the work: : Construction of breast wall along Pitapool Dam site road from Ch. 968.00m toCh. 1033.00m (Ch. 0.00 at RHEP Dam Main Gate),Yazali,A.P..(GROUP-II)				
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification ,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)I.Ordinary soil A. Manual means (i) Depth upto 3 m	Cum	319.000	192.00	**61248.00**
2	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	25.740	8444.00	**217348.56**
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	79.625	7172.00	**571070.50**
4	Back filling behind abutment, wing wall and return wall complete as per drawing and technical specification . A. Granular material	Ton	9.750	2203.00	**21479.25**
					871146.31
				Say	**8,71,146.00**

(Rupees eight lacs seventy one thousand one hundred forty six)only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

T-101

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021

To,

M/s T.J.Enterprise
Vill:- Potin,
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along ~~along~~ Pitapool Dam-site road from Ch. 1033.00 m to Ch. 1112.00m (Ch. 0.00 at RHEP Dam main gate),Yazali,A.p. GROUP-III**

Ref: This office NIT no. RHEP/GM/32/2020-21 dtd. 21.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along along Pitapool Dam-site road from Ch. 1033.00 m to Ch. 1112.00m (Ch. 0.00 at RHEP Dam main gate),Yazali,A.p. GROUP-III** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along along Pitapool Dam-site road from Ch. 1033.00 m to Ch. 1112.00m (Ch. 0.00 at RHEP Dam main gate),Yazali,A.p. GROUP-III** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 8,74,471.00** (Rupees eight lacs seventy four thousand four hundred seventy one) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 708-11 **Dated 05.02.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 816 Dtd. 29.01.2021.
3. The Sr.Manager©,R&B(M), REHP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO, Ltd.azali(A.P)

Name of work:- Construction of breast wal along Pitapool damsite road from Ch. 1033.00 m to Ch. 1112.00m (Ch. 0.00 m at RHEP dam main gate)					Annexure-I
				GROUP-III	
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification ,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)I.Ordinary soil A. Manual means (i) Depth upto 3 m	Cum	324.500	192.00	**62304.00**
2	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	25.740	8468.00	**217966.32**
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	79.625	7192.00	**572663.00**
4	Back filling behind abutment, wing wall and return wall complete as per drawing and technical specification . A. Granular material	Ton	9.750	2209.00	**21537.75**
					874471.07
				Say	**8,74,471.00**

(Rupees eight lacs seventy four thousand four hundred seventy one) only

General Manager ©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 27.01.2023

To,

M/s Taba Teri
Vill:- Amchi
Dist: Lower Subansiri,
Arunachal Pradesh.

CA-1122370-02-
PR-1400000367
PO-3700004652

776
1/2/23

Sub: Work Order for **"Construction of Breast wall and drain along Pitapool dam site road from C. 1858.00m to 1920 m (Ch.0.00m at RHPS Dam main gate) GROUP-II"**

Ref: This office LNIT no. RHEP/GM/61/2022-23 dtd. 21.12.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of Breast wall and drain along Pitapool dam site road from C. 1858.00m to 1920 m (Ch.0.00m at RHPS Dam main gate) GROUP-II** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Breast wall and drain along Pitapool dam site road from C. 1858.00m to 1920 m (Ch.0.00m at RHPS Dam main gate) GROUP-II** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 9,47,505.00** (Rupees Nine lakhs Forty-Seven thousand Five Hundred Five) only which is inclusive of all applicable taxes.
3. **Time of completion: - 2** (Two) Months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F)**, RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
RHEP.NEEPCO. Ltd.Yazali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2022-23/ 3006–09 **Dated 27.01.2023**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 25.01.2023
2. The Sr. Manager©, R&B(M) ,RHEP,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),RHEP,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 952 Dtd. 21.01.2023

General Manager (C)
RHEP,NEEPCO. Ltd.Yazali(A.P)

Construction of Breast wall and drain along Pitapool dam site road from C. 1858.00m to 1920 m (Ch.0.00m at RHPS Dam main gate) GROUP-II					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil A Manual Means (i) upto 3 m dept	cum	19.600	390.00	7644
2	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil B)Mechanical Means (i) upto 3 m depth	cum	124.000	98.00	12152
3	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	26.652	8534.00	227448.168
4	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification (b) Random Rubble Masonry	cum	75.950	7008.00	532257.6

Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
5	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications B. PCC Grade M20. Case I. Using concrete mixer	Cum	12.600	11905.00	150003
6	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification A Granular material	Cum	6.000	3000.00	18000
					947504.77
				Say	**9,47,505.00**

(Rupees Nine lakhs Forty-Seven thousand Five Hundred Five) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

No. NEEPCO/PLHPS/GM(C)/201/2022-23/ Dated 22.03.2023

735
31/3/23

To,

M/s **Taba Talar**
Village: Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for " **Construction of Breast wall and drain along Pitapool Dam site road from 2040.00M to 2140m (Chainage 0.00M at PLHPS Dam main gate)PLHPS, NEEPCO Ltd, Ar. Pr."**

Ref: This office LNIT no. PLHPS/GM/91/2022-23 dtd. 30.01.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of " **Construction of Breast wall and drain along Pitapool Dam site road from 2040.00M to 2140m (Chainage 0.00M at PLHPS Dam main gate)PLHPS, NEEPCO Ltd, Ar. Pr."**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Breast wall and drain along Pitapool Dam site road from 2040.00M to 2140m (Chainage 0.00M at PLHPS Dam main gate)PLHPS, NEEPCO Ltd, Ar. Pr.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:** - **17,13,879.00** (Rupees Seventeen lakhs Thirteen thousand Eight hundred Seventy-Nine) only which is inclusive of all applicable taxes.
3. **Time of completion:** - 2(Two) Month from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

Work order Dy. M(C), Tore n/a please.
31/3/23.

-952-

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F)**, PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO**, 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
PLHPS,NEEPCO. Ltd,Yazali(A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2022-23/ ३२९१–९५ Dated 22.03.2023

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3077 dated 21.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1037 Dtd. 15.03.2023

General Manager (C)
PLHPS,NEEPCO. Ltd.Yazali(A.P)

Work Order for " Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2040m to 2170m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. A Manual Means (i) upto 3 m dept	cum	35.350	400.00	14140
2	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. B)Mechanical Means (i) upto 3 m depth	cum	260.000	156.00	40560
3	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	38.648	8150.00	314981.2
4	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification. (b) Random Rubble Masonry	Cum	143.300	7150.00	1024595
5	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications B. PCC Grade M20, Case I. Using concrete mixer	cum	22.725	11200.00	254520

Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
6	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification. A Granular material	Cum	21.000	2390.00	50190
7	Supplying, fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specifications	ton.	0.106	140500.00	14893
					1713879.20
				Say	**17,13,879.00**

17,13,879.00 (Rupees Seventeen lakhs Thirteen thousand Eight hundred Seventy-Nine) only

General Manager©
PLHPS,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

No. NEEPCO/PLHPS/GM(C)/201/2022-23/ Dated 22.03.2023

To,

M/s **Akin Wooden Furniture**
Town:- Yazali
Dist: Lower Subansiri,
Arunachal Pradesh.

737
3/3/23

Sub: Work Order for **"Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2275.00m to 2400.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P."**

Ref: This office LNIT no. PLHPS/GM/83/2022-23 dtd. 27.01.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2275.00m to 2400.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P.**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work**: - The work is for **Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2275.00m to 2400.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 24,64,583.00** (Rupees Twenty-Four lakhs Sixty-Four thousand five hundred Eighty-Three) only which is inclusive of all applicable taxes.
3. **Time of completion: - 2** (Two) Months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification**: As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F)**, PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO**, 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
PLHPS.NEEPCO. Ltd.Yazali(A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2022-23/ 7273-76 **Dated 22.03.2023**

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3076 dated 21.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1046 Dtd. 17.03.2023

General Manager (C)
PLHPS,NEEPCO. Ltd.Yazali(A.P)

Work Order for "Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2275.00m to 2400.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P."					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. A Manual Means (i) upto 3 m dept	cum	44.100	191.00	8423.1
2	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. B)Mechanical Means (i) upto 3 m depth	cum	248.000	93.00	23064
3	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	56.805	8518.00	483864.99
4	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification. (b) Random Rubble Masonry	cum	214.086	7264.00	1555120.704

Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
5	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications B. PCC Grade M20. Case I. Using concrete mixer	Cum	28.350	11127.00	315450.45
6	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification. A Granular material	Cum	34.500	2280.00	78660
					2464583.24
				Say	**24,64,583.00**

(Rupees Twenty-Four lakhs Sixty-Four thousand five hundred Eighty-Three) only

General Manager©
PLHPS,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्ट्रर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

Office of the General Manager (C)

Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2022-23/ Dated 22.03.2023

To,

M/s T.R. Enterprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

737
31/3/23

Sub: Work Order for **"Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2150.00m to 2275.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P"**

Ref: This office LNIT no. PLHPS/GM/79/2022-23 dtd. 25.01.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2150.00m to 2275.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2150.00m to 2275.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P I** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 24,65,009.00** (Rupees Twenty-Four lakhs Sixty-Five thousand Nine) only which is inclusive of all applicable taxes.
3. **Time of completion**: - **2** (Two) Months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

Work order Dy. m(c), for n/a please.
31/3/23

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for 1 **(one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F),** PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited-PLHPS**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO**, 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
PLHPS.NEEPCO. Ltd. Yazali(A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2022-23/ 7264-67 **Dated 22.03.2023**

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3075 dated 21.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1066 Dtd. 20.03.2023

General Manager (C)
PLHPS,NEEPCO. Ltd.Yazali(A.P)

Work Order for "Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2150.00m to 2275.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P"					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. A Manual Means (i) upto 3 m dept	cum	44.100	190.00	8379
2	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. B)Mechanical Means (i) upto 3 m depth	cum	248.000	93.00	23064
3	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	56.805	8518.00	483864.99
4	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification. (b) Random Rubble Masonry	cum	214.086	7263.00	1554906.618

Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
5	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications B. PCC Grade M20. Case I. Using concrete mixer	Cum	28.350	11127.00	315450.45
6	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification. A Granular material	Cum	34.800	2280.00	79344
					2465009.06
				Say	**24,65,009.00**

(Rupees Twenty-Four lakhs Sixty-Five thousand Nine) only

General Manager©
PLHPS,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यजली, अरुणाचल प्रदेश /YAZALI, A.P-791119
हॉज सिविल मेंटेनेंस विंग, हौज, रेप्प / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 783 Dtd: 04/01/2021

To,

M/S N C T ENTERPRISES
Yayee-II, Dakte-Hoz, Papum Pare
Arunachal Pradesh.

Sub: Work order for "Construction of CC drain and Toe Wall along surge shaft road at chainage 1060.00 to 1120.00 m from surge shaft approach gate, RHEP, A.P (Grp-2)."

Ref: NIT no: 13/2020-21/HCMW Dtd 01/10/2020

Dear Sir,

With reference to the above NIT, the work for **"Construction of CC drain and Toe Wall along surge shaft road at chainage 1060.00 to 1120.00 m from surge shaft approach gate, RHEP, A.P(Grp-2)."** The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this confirmatory work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions.

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A**.
2) **Scope of work:** As per specifications & BOQ
3) **Value of Work: Rs 13, 34,825.00**(Rupees Thirteen Lakhs Thirty Four Thousand Eight Hundred and Twenty Five)
4) **Time of completion:** 45 (Forty Five) days from issue this work order.
5) **Quantity and Rate**: As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes**: The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST)**: The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0**.
8) **Compensation for delay**: If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5% (zero point five percent) of the total contract value per week of delay subjected to maximum of 10% (ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification**: The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation**: The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus.
11) **Mode of payment**: 90 %(Ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 10% (ten percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

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13) **Paying Authority:** The Dy. General Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 764-68 Dtd 04/01/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 1340 Dtd 25/11/2020
2) The General Manager(C), RHEP for favour of information please.
3) The Dy. General Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Annexure-A

BILL OF QUANTITY

NAME OF WORK: Construction of CC drain and Toe Wall along surge shaft road at chainage 1060.00 to 1120.00 m from surge shaft approach gate, RHEP, A.P(Grp-2).

SL NO.	Description of Item	Unit	Quantity	Rate	Amount
A	B	C	D	E	F
(i)	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) Ordinary rock (not requiring blasting) Manual Means (Depth upto 3 m)	Cum	69.30	476.00	32,986.80
(II)	Plain/Reinforced cement concrete in sub-structure complete as per drawing and technical specifications. A) PCC Grade M15, Height upto 5m	Cum	126.00	10,153.00	12,79,278.00
(III)	Providing weep holes in Brick masonry/Plain/Reinforced concrete abutment, wing wall/return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical specifications	Each	120.00	188.00	22,560.00
				Total =	13,34,824.80
				Say Rs	**13,34,825.00**

(Rupess Thirteen Lakh Thirty Four Thousand Eight Hundred and Twenty Five) only

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
दीज़ हैड्रिक पॉवर प्रोजेक्ट लिमि
Hiz Arunachal Pradesh

Dy. General Manager (C)
Hiz Civil Maintenance Wing
RHEP, DIRANG
Dist. (Arl.)

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S N C T Enterprises has completed the work," Construction of CC drain and Toe Wall along surge shaft road at chainage 1060.00 to 1120.00m from gate at surge shaft, Dikrong Power Station, Hoj, RHEP, A.P." as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2020-21/783 dtd 04/11/2021, *in all respect on 27/01/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

Scanned with ACE Scanner

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 12.04.2021

Received No. 25
Date 13/4/21

To,

M/s Rini ENTERPRISE
Vill:- Potin,
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of CC approach Road to Ferry Ghat road (near DG Set, right bank), 41km,Yazali,A.P.**

Ref: This office LNIT no. RHEP/GM/38/2021-22 dtd. 05.03.2021

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of CC approach Road to Ferry Ghat road (near DG Set, right bank), 41km,Yazali,A.P.**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of CC approach Road to Ferry Ghat road (near DG Set, right bank), 41km,Yazali,A.P.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 5,52,227.00** (Rupees five lacs fifty two thousand two hundred twenty seven) only which is inclusive of all applicable taxes.
3. **Time of completion: - 45** (forty five) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period: -** The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority**: - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Deputy General Manager©,HSM, NEEPCO. Limited RHEP,** 43km Yazali.

You are requested to start the work in consultation with the **Deputy General Manager©,HSM, RHEP, NEEPCO,** 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEPNEEPCO, Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 28-41 **Dated 12.04.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 09.04.2021.
2. The Deputy General Manager©,HSM,RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
3. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 19 Dtd. 09.04.2021.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEPNEEPCO. Ltd.azali(A.P)

Name of the work: : Construction of CC Approach Road to ferry Ghat from Intake road (near DG Set, right bank) 41Km,RHEP,Yazali,A.P.					Annexure-I
1	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50m and lift upto 1.50m a) Ordinary Soil	Sqm	245.000	12.00	**2940.00**
2	Centring and shuttering including strutting, propping etc and removal of form work for a) Foundation , footing bases	Sqm.	35.000	463.50	**16222.50**
3	Provding and laying cement concrete 1:2:4 (1 cement :2 coarse sand: 4 stone aggregate 20mm nominal size) excluding the cost of centring and shuttering in: a) Foundations and plinth	Cum	61.250	8703.10	**533064.88**
					552227.38
				Say	**5,52,227.00**

(Rupees five lacs fifty two thousand two hundred twenty seven) only

General Manager ©
RHEP,NEEPCO Ltd.Yazali.A.P.

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
होज सिविल मेंटेनेंस विंग, हीज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 647 Dtd: 01/10/2021

To,

M/S TANA SENKAM
Hoj-Papum Pare
Arunachal Pradesh.

Sub: Work order for "Construction of cement concrete road from 33kV substation gate to Power house Gate at Dikrong Power house house, hoj, A.P. (Grp-2, ch 200.00 to 400.00m)."

Ref: NIT no: 11 of 2021-22/ HCMW Dtd: 07/07/2021

Dear Sir,

With reference to the above NIT, the work for "Construction of cement concrete road from 33kV substation gate to Power house Gate at Dikrong Power house house, hoj, A.P. (Grp-2, ch200.00 to 400.00m)."The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** Construction of CC Road.
3) **Value of Work: Rs 14, 46,480.00**(Rupees Fourteen Lakhs Forty Six Thousand Four Hundred and Eighty Only).
4) **Time of completion:** 45 (Forty Five) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 97 %(Ninety Seven Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

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13) **Paying Authority:** Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Prade
14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts an amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities o contractor.
15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.
19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 648-52 Dtd 01/10/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 814 Dtd 28/08/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Annexure-A

B.O.Q

Name of work: Construction of cement concrete road from 33 kV sub station gate to Power House Gate at Dikrong Power House Hoj, A.P. (Grp-2, ch:200.00 to 400.00m)

NIT NO. **No: 11 of 2021-22/ HCMW Dtd: 07/07/2021**

Sl. No.	Item	Unit	Qntty	Rate	Amount
(i)	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications. B) PCC Grade M20	Cum	140.000	10332.00	14,46,480.00
				Total RS	**14,46,480.00**

(Rupees Fifteen Lakhs Forty Seven Thousand One Hundred and Eighteen Only).

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yuyee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Tana Senkam has completed the work," Construction of cement concrete road from 33 kV sub station gate to Power House Gate at Dikrong Power House Hoj, A.P. (Grp-2, ch:200.00 to 400.00m)" as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2021-22/647 dtd 01/10/2021 , *in all respect on 20/10/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
हौज सिविल मेंटेनेंस विंग, हैज, रेप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 546 Dtd: 08/09/2021

To,

M/S B. Tana Enterprise
Near CRC pray Centre
Hoj-Papum Pare
Arunachal Pradesh.

Sub: Work order for "Construction of cement concrete road from gate near shiv mandir to SPT C4 junction via I.B and Health Centre inside dikrong power house colony hoz, RHEP, A.P. (Group III ch: 295.00 to ch: 420.00 and SPT B-13 & SPT B-14 Front)."

Ref: NIT no: 07 of 2021-22/ HCMW Dtd: 01/07/2021

Dear Sir,

With reference to the above NIT, the work for **"Construction of cement concrete road from gate near shiv mandir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group III ch:295.00 to ch:420.00 and SPT B-13 & SPT B-14 Front)"** The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** Construction of CC pavement.
3) **Value of Work: Rs 10, 93,154.00**(Rupees Ten Lakhs Ninety Three Thousand One Hundred and Fifty Four Only).
4) **Time of completion:** 45 (Forty Five) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.

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11) **Mode of payment:** 97 %(Ninety Seven Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

13) **Paying Authority:** Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ ৬৭৮-৮১ Dtd ০৪/০৭/২০২১

Copy to:

d/c

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 742 Dtd 19/08/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Bill of Quantity

NAME OF WORK: Construction of cement concrete road from gate near shiv madir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group III ch:295.00 to ch:420.00 and SPT B-13 & SPT B-14 Front)

SL NO.	Description of Item	Unit	Quantity	Rate	Amount
A	B	C	D	E	F
1	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing)	CuM	98.438	11105.00	1093153.99
				Total =	1093153.99
				Say Rs	10,93,154.00

(Rupees Ten Lakhs Ninety Three Thousand One Hundred and Fifty Four) Only

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S B Tana Enterprises has completed the work," Construction of cement concrete road from gate near shiv mandir to SPT-C4 junction via IB & Health Centre inside dikrong power house colony hoz (Group-III, ch 295.00m to ch 420.00m)."as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2021-22/546 dtd 08/09/2021 , *in all respect on 10/10/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यजली, अरुणाचल प्रदेश /YAZALI, A.P-791119
होज सिविल मेंटेनेंस विंग, होज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 555 Dtd: 14/09/2021

To,

M/S Bida Enterprises
Potin-Lower Subansiri
Arunachal Pradesh.

Sub: Work order for "Construction of cement concrete road from gate near shiv mandir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group II ch: 175.00 to ch: 295.00)."

Ref: NIT no: 06 of 2021-22/ HCMW Dtd: 01/07/2021

Dear Sir,

With reference to the above NIT, the work for **"Construction of cement concrete road from gate near shiv mandir to SPT C4 junction via LB and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group II ch:175.00 to ch:295.00)"** The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** Construction of CC pavement.
3) **Value of Work: Rs 12, 32,222.00**(Rupees Twelve Lakhs Thirty Two Thousand Two Hundred and Twenty Two Only).
4) **Time of completion:** 45 (Forty Five) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 97 %(Ninety Seven Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

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12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit defect liability period of 12(Twelve) months from the date of completion of work.

13) **Paying Authority:** Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Prades

14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 556-60 Dtd 14/09/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 741 Dtd 19/08/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Annexure -A

SCHEDULE OF RATES

NAME OF WORK: Construction of cement concrete road from gate near shiv madir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group II ch:175.00 to ch:295.00)

SL NO.	Description of Item	Unit	Quantity	Rate	Amount
A	B	C	D	E	F
1	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing)	CuM	111.075	11093.60	1232221.62
				Total = Rs	12,32,221.62
				Say Rs	12,32,222.00

(Rupees Twelve Lakhs Thirty Two Thousand Two Hundred and Twenty Two) only

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
होज डिकरिंग पावर हाउस कॉलोनी
Hoz, Arunachal Pradesh

Dy. General Manager (C)
Civil Maintenance Wing
RHEPPNEEPCO Ltd.
Hoz, (A.P.)

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ISO 9001-2008

ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Bida Enterprises has completed the work," Construction of cement concrete road from gate near shiv mandir to SPT-C4 junction via IB & Health Centre inside dikrong power house colony hoz (Group-II, ch 175.00m to ch 295.00m)."as per Specifications mentioned in BOQ. wide work order no:DGM(C)/HCMW/RHEP/T-6/2021-22/555 dtd 14/09/2021 *. in all respect on 21/10/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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P.O: 3600000431

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
हौज सिविल मेंटेनेंस विंग, हौज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 764 Dtd: 03/11/2021

To,

M/S T.R Enterprises
Yazali-Lower Subansiri
Arunachal Pradesh.

Sub: Work order for "Construction of cement concrete road from gate near shiv mandir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group I ch: 0.00 to ch: 175.00)."

Ref: NIT no: 05 of 2021-22/ HCMW Dtd: 01/07/2021

Dear Sir,

With reference to the above NIT, the work for **"Construction of cement concrete road from gate near shiv mandir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group I ch:0.00 to ch:175.00)"** The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** Construction of CC pavement.
3) **Value of Work: Rs 14, 83,936.00**(Rupees Fourteen Lakhs Eighty Three Thousand Nine Hundred and Thirty Six Only).
4) **Time of completion:** 45 (Forty Five) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 97 %(Ninety Seven Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

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12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for defect liability period of 12(Twelve) months from the date of completion of work.
13) **Paying Authority:** Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.
14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.
19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 785-89 Dtd 03/11/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 961 Dtd 18/09/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Annexure-A

Bill of Quantity

Name of work: Construction of cement concrete road from gate near shiv madir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group I ch:0.00 to ch:175.00)

NIT NO. **No: 05 of 2021-22/ HCMW Dtd: 01/07/2021**

Sl. No.	Item	Unit	Qnty	Rate	Amount
(i)	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing)	Cum	133.70	11099.00	1483936.30
				Total = RS	1483936.30
				Say = Rs	14,83,936.00

(Rupees Fourteen Lakhs Eighty Three Thousand Nine Hundred and Thirty Six) Only

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
होज सिविल मेंटेनेन्स विंग

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S T.R Enterprises has completed the work," Construction of cement concrete road from gate near shiv mandir to SPT-C4 junction via IB & Health Centre inside dikrong power house colony hoz (Group-I, ch 0.00m to ch 175.00m). "as per Specifications mentioned in BOQ, wide work order no:DGM(C)/HCMW/RHEP/T-6/2021-22/784 dtd 03/11/2021 , *in all respect on 12/11/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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SAP. P.O NO : 3600000452

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
होज सिविल मेंटेनेंस विंग, हौज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 798 Dtd: 03/11/2021

To,

M/S Akin-wooden Furniture
Yazali-Lower Subansiri
Arunachal Pradesh.

Sub: Work order for "Construction of cement concrete road from gate near shiv mandir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group-IV ch: 420.00 to ch: 620.00)."

Ref: NIT no: 08 of 2021-22/ HCMW Dtd: 01/07/2021

Dear Sir,

With reference to the above NIT, the work for "**Construction of cement concrete road from gate near shiv mandir to SPT C4 junction via I.B and health centre inside dikrong power house colony hoz, RHEP, A.P. (Group-IV,ch:420.00 to ch:620.00)**" The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** Construction of CC pavement.
3) **Value of Work: Rs 11,** 28,768.00(Rupees Eleven Lakhs Twenty Eight Thousand Seven Hundred and Sixty Eight Only).
4) **Time of completion:** 45 (Forty Five) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 97 %(Ninety Seven Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

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12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit fo defect liability period of 12(Twelve) months from the date of completion of work.
13) **Paying Authority:** Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.
14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.
19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 7-79-93 Dtd 03/11/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 962 Dtd 18/09/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Annexure-A

Bill of Quantity

Name of work: Construction of cement concrete road from gate near shiv madir to SPT C4 Junction via I.B and health centre Inside dikrong power house colony hoz, RHEP, A.P. (Group IV ch:420.00 to ch:620.00)

NIT NO. **No: 05 of 2021-22/ HCMW Dtd: 01/07/2021**

Sl. No.	Item	Unit	Qnty	Rate	Amount
(i)	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing)	Cum	101.70	11099.00.	1128768.30
				Total = RS	1128768.30
				Say = Rs	11,28,768.00

(Rupees Eleven Lakhs Twenty Eight Thousand Seven Hundred and Sixty Eight) Only

Dy. General Manager (C)
Civil Maintenance Wing
ENGINEERS India Ltd.
Itanagar (A.P.)

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
हेवी इंजिनियरिंग मेन्टेनेन्स विंग
No), Arunachal Pradesh

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Akin wooden Furniture has completed the work," Construction of cement concrete road from gate near shiv mandir to SPT-C4 junction via IB & Health Centre inside dikrong power house colony hoz (Group-IV, ch 420.00m to ch 620.00m). "as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2021-22/778 dtd 03/11/2021 , *in all respect on 30/11/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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SAP: NO: 3600000450

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
होज सिविल वेटरेंस विंग, हौज, रेप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 672 Dtd: 03/11/2021

To,

M/S Akinwooden Furniture
Yazali-Lower Subansiri
Arunachal Pradesh.

Sub: Work order for "Construction of cement concrete road for main entry gate Dikrong Power House, Hcj, A.P".

Ref: NIT no: 21 of 2020-21/ HCMW Dtd: 17/02/2021

Dear Sir,

With reference to the above NIT, the work for "Construction of cement concrete road for main entry gate Dikrong Power Hoj, A.P)" The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** Construction of CC pavement for Main entry Gate.
3) **Value of Work: Rs 4, 20,313.00**(Rupees Four Lakhs Twenty Thousand Three Hundred and Thirteen Only).
4) **Time of completion:** 30 (Thirty) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 97 %(Ninety Seven Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.
13) **Paying Authority:** Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

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14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 773-77 Dtd 03/11/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 130 Dtd 28/04/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Name of work: Construction of cement concrete road for Main Entry Gate Dikrong Power House, Hoj, A.P.

NIT NO: 21/2020-21/HCMW dtd. 17/02/2021

Sl. No.	Item	Unit	Quty	Rate	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) Ordinary rock (not requiring blasting) Manual Means (Depth upto 3 m)	Cum	4.800	484.51	2,325.65
2	Plain/Reinforced cement concrete in open foundation as per drawing and technical specifications, R4CC Grade M20, Height upto 5m	Cum	3.600	10738.57	38,658.85
3	Supplying, fitting and placing un-coated HYSD bar reinforcement infoundation complete as per drawing and technical specifications	Tonnes	0.432	108275.00	46,774.80
4	Providing and laying in foundations and plinth cement concrete 1 : 4 : 8 (1 cement : 4 course sand : 8 graded stone aggregate 40 mm nominal size) excluding the cost of centring and shuttering.	Cum	2.244	5869.00	13,170.04
5	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : a) Foundations and plinth	CuM	35.054	9111.20	3,19,384.00
					4,20,313.34
				Say = Rs	**4,20,313.00**

(Rupees Four Lakhs Twenty Thousand Three Hundred and Thirteen) Only

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
होज सिविल मैन्टिनेन्स विंग

Dy. General Manager (C)

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ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Akinwooden Furniture has completed the work," Construction of cement concrete road for main entry gate dikrong power house, Hoj, A.P."as per Specifications mentioned in BOQ, wide work order no:DGM(C)/HCMW/RHEP/T-6/2021-22/772 dtd 03/11/2021 , *in all respect on 12/11/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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P.O: 3600000437

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
सिविल मेंटेनेंस विंग, होज, पेपु / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 735 Dtd: 21/10/2021

To,

M/S B. Tana Enterprise
Near CRC pray Centre
Hoj-Papum Pare
Arunachal Pradesh.

Sub: Work order for "Construction of CC drain from Gate near 33kV substation to catch pit above 400kV switchyard at Dikrong Power House Hoj A.P (chainage 0.00 to 210.00 m).

Ref: NIT no: 17 of 2021-22/ HCMW Dtd: 02/09/2021

Dear Sir,

With reference to the above NIT, the work for "Construction of CC drain from Gate near 33kV substation to catch pit above 400kV switchyard at Dikrong Power House Hoj A.P (chainage 0.00 to 210.00 m)."The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** Construction of CC Drain.
3) **Value of Work: Rs** 9, 19,548.00(Rupees Nine Lakhs Nineteen Thousand Five Hundred and Forty Eight Only).
4) **Time of completion:** 30 (Thirty Days) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes**: The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 97 %(Ninety Seven Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

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12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for defect liability period of 12(Twelve) months from the date of completion of work.

13) **Paying Authority:** Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 736-40 Dtd 21/10/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 1119 Dtd 11/10/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Annexure-A

BOQ

Name of work: Construction of CC drain from Gate near 33kV substation to catch pit above 400kV switchyard at Dikrong Power House Hoj A.P(chainage 0.00 to 210.00 m] .

NIT NO. No: 17 of 2021-22/ HCMW Dtd: 02/09/2021

SL No.	Item	Unit	Qnity	Rate	Amount
(i)	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out,construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.(1) Ordinary Soil, A) Manual Means (i) upto 3m	Cum	168.00	186.00	31248.00
(II)	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications. (a) PCC Grade M15	Cum	94.50	9400.00	888300.00
				Total = Rs	919548.00
				Say Rs	9,19,548.00

(Rupees Nine Lakhs Nineteen Thousand Five Hundred and Fifty Four) Only

Dy. General Manager (C)
Civil Maintenance Wing
NEEPCO Ltd.
(A.P.)

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मेंटिनेन्स विंग
Hoj, Arunachal Pradesh

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S B Tana Enterprises has completed the work," Construction of CC drain from gate near 33Kv substation to catch pit above 400kV switchyard to Dikrong Power House Hoj, A.P (Chainage 0.00 to 210.00m).
."as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2021-22/735 dtd 21/10/2021 , *in all respect on 31/10/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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FY 2021-2022 Annexure-12

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Government of India Enterprise)

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

Office of the Dy. General Manager (Civil)

Hoz Civil Maintenance Wing, Yayee, A.P

CIN – U40101ML1976GOI001658

Tel: 03809-244204/244211

E-mail: hcmw2012@gmail.com

File No: DGM(C)/HCMW/RHEP/T-06/2021-2022/ 719 Dated 21 /10 /2021

To,

M/s NCT Enterprise
Village- Yayee/Hoj
Papum Pare Distt.
Arunachal Pradesh

Sub: Work Order for **"Construction of PCC drain (Ch: 00.00m to Ch: 120.00m) from PH Circular road to Security colony at Dikrong Power House, Hoj, A.P."**

Ref: This office NIT No. 15 of 2021-2022/HCMW/RHEP Dtd: 01/09/2021

Dear Sir,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of PCC drain (Ch: 00.00m to Ch: 120.00m) from PH Circular road to Security colony at Dikrong Power House, Hoj, A.P."** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:

1. **Scope of work:** The work is for **"Construction of PCC drain (Ch: 00.00m to Ch: 120.00m) from PH Circular road to Security colony at Dikrong Power House, Hoj, A.P."** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure-I. The work is to be executed and completed as per direction of the Engineer -in- charge (E-I-C).
2. **Value of work: ₹ 4,50,730.00** (Rupees Four Lakh Fifty Thousand Seven Hundred Thirty) only which is inclusive of all applicable taxes.
3. **Time of completion: 30** (Thirty) days from the date of issue of this order.
4. **Quantity and Rates:** As enclosed *in BOQ*. The rates are inclusive of all taxes.
5. **Taxes, Duties, Levies:** The rates are inclusive of all taxes and remain firm till the completion of work.
6. **Goods & Service Tax(GST):** GST against the work shall be paid extra as applicable at the time of execution of the work. The rate of GST is 18% (Eighteen Percent). Please provide your GST registration number in your bill, our GST No. is 12AAACN9991J4Z0.
7. **Compensation for Delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.50 %(zero point five percent) of the total contract value per week of delay subject to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.

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8. **Technical Specification:** As per specification mentioned in the BOQ and as directed by the Engineer-in-Charge at site.
9. **Quantity variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e. plus or minus.
10. **Defect Liability Period:** Defect liability period shall be of 12(Twelve) months from the date of completion of work. The contractor shall make good defects observed/pointed out during the defect liability period or completion of defect rectification work to the satisfaction of the Engineer-in-charge duly deducting any outstanding dues, if any, against the work.
11. **Mode of payment:** 97%(Ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12. **Paying authority:** The Manager (F), RHEP, NEEPCO, Yazali(A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
13. **Security Deposit:** 03% (Three percent) of final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.
14. **Labours and regulation:** Compliance of statutory labour rules, regulations, acts and amendments as notified by the Govt. of India and State Govt. shall be the responsibilities of the contractor.
15. **Employees provident fund schemes:** Copy of the up to date EPF challan against your allotted Code No by the Employees' Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of forwarding of your work bill for releasing of payment.
16. **General safety:** All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
17. **General insurance:** The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
18. **Store Materials:** The materials required for the said work will be under contractor's scope including all cost of collection and transportation of store materials etc. complete.
19. **Foreclosure of Contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard. The Engineer in charge shall be the **Dy. General Manager(C), HCMW(C), RHEP /NEEPCO Ltd.** Hoz.

You are requested to start the work immediately and attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non-Judicial Stamp paper of **Rs. 50.00 (Rupees Fifty)** only.

Thanking you.

Yours Sincerely,

Dy. General Manager(C)
Hoz Civil Maintenance Wing,
RHEP, NEEPCO Ltd. Arunachal Pradesh

Encl: Annexure-I

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Memo No: DGM(C)/HCMW/RHEP/T-05/2021-2022/ 720-24 Dated 21/10/2021

Copy to:

1. The H.O.P, RHEP, Yazali, A.P. for favour of kind information with reference to his approval accorded vide HOP, RHEP, NEEPCO/ U.O. No.1120, Dtd. 11/10/2021.
2. The General Manager (C), RHEP, Yazali, A.P. for kind information please.
3. The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing H.O.P's approval enclosed herewith.
4. The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P. for kind information please.
5. Shri Tilling Gumbo, Assistant Engineer(C), HCMW for information and necessary action please.

d/c

Dy. General Manager(C)
HCMW, RHEP, NEEPCO Ltd, A.P.

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ANNEXURE-I

BILL OF QUANTITY

Name of work: Construction of PCC drain(Ch: 00.00m to Ch: 120.00m) from PH Circular road to Security colony at Dikrong Power House, Hoj, A.P.

Sl. No.	Description of the Items	Unit	Quantity	Rate in ₹	Amount in ₹
1	Earth work in excavation in foundation trenches not exceeding 1.50 m width or 10 Sq.m. on plan or drains not exceeding 1.50 m in width or 10 Sq.m. on plan including dressing of sides and ramming of bottoms, lift upto 1.50 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) Ordinary Soil	Cum	90.000	157.00	14130.00
2	Centring and shuttering including strutting, propping etc and removal of form work for : (a) Foundations and plinth	Sqm	300.00	384.00	115200.00
3	Random rubble masonry with hard stone in foundations and plinth in cement mortar 1 : 6 (1 cement : 6 fine sand) including levelling up with cement concrete 1 : 6 : 12 (1 cement : 6 coarse sand : 12 stone aggregate 20 mm nominal size) at plinth level.	Cum	12.000	4484.00	53808.00
4	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	Cum	32.400	8259.00	267591.60
				Grand Total ₹	**4,50,729.60**
				say ₹	**4,50,730.00**

(Rupees Four Lakh Fifty Thousand Seven Hundred and Thirty) Only

Dy. General Manager (C)
Civil Maintenance Wing
NEEPCO Ltd.
Hoj (A.P.)

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
होज सिविल मैन्टिनेन्स विंग
Hoj, Arunachal Pradesh

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COMPLETION CERTIFICATE

Certified that the work- **Construction of PCC drain (Ch: 00.00m to Ch: 120.00m) from PH Circular road to Security colony at Dikrong Power House, Hoj, A.P.** executed by M/s NCT Enterprise, Village-Yayee, Hoj A.P. vide Work Order No. DGM(C)/HCMW/RHEP/T-06/2021-2022/719, Dtd.21/10/2021 has been completed on 05/11/2021 within the stipulated time and as per specifications. No T&P materials are issued to the contractor.

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मैन्टिनेन्स विंग
Hoj, Arunachal Pradesh

Dy. General Manager (C)
Civil Maintenance Wing
NEEPCO Ltd.
(A.P.)

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SAP PO NO.: 9600000456

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
हौज सिविल मेंटेनेंस विंग, हौज, रेप्स /HOZ Civil Maint. Wing, HOZ, RHEP

DOC = 30/11/2021

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 768 Dtd: 03/11/2021

To,

M/S Bida Enterprises
Potin-Lower Subansiri
Arunachal Pradesh.

Sub: Work order for "Construction of Peripheral fencing for PMT-A1, A2, A3 and A4 quarters at hoz, A.P."

Ref: NIT no: 18 of 2021-22/ HCMW Dtd: 06/09/2021

Dear Sir,

With reference to the above NIT, the work for "**Construction of Peripheral fencing for PMT-A1, A2, A3 and A4 quarters at hoz, A.P.**" The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as Annexure-A.
2) **Scope of work:** Construction peripheral chain linked fence.
3) **Value of Work: Rs 5, 11,454.00**(Rupees Five Lakhs Eleven Thousand Four Hundred and Fifty Four Only).
4) **Time of completion:** 30 (Thirty) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 97 %(Ninety Seven Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.
13) **Paying Authority:** Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

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14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, acts amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

Memo no: DGM(C)/HCMW/RHEP/T-6/2020-21/ 767-71 Dtd 03/11/2021

Copy to

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 1140 Dtd 21/10/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The Manager (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Annexure-A

B.O.Q

Name of work: Construction of Peripheral fencing for PMT-A1, A2, A3 and A4 quarters at hoz, A.P.

NIT NO. No: 18 of 2021-22/ HCMW Dtd: 06/09/2021

Sl. No.	Item	Unit	Qntty	Rate	Amount
1	Earth work in excavation in foundation and trenches etc. in all kinds of soil (excluding soil containing 50% or more of shingle or small size boulders upto 30 cm size, saturated soil and rock), lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers, when required, into plinth sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus soil as directed within a lead of 50m.	Cum	7.927	266.00	2108.58
2	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) excluding the cost of centring and shuttering in : a) Foundations and plinth	Cum	13.696	7926.00	108554.50
3	Shuttering and Form Work: Centring and shuttering including strutting, propping etc and removal of form work for : Foundation, footings, bases of columns etc. and mass concrete.	Sqm	54.80	389.00	21317.20
4	Steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. b) In Tees, Angles and Channels	Qntls	11.14	11266.00	125503.24
5	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia 4 mm	SqM	356.20	713.00	253970.60
				Total= Rs	511454.12
				Say Rs	5,11,454.00

(Rupees Five Lakh Eleven Thousand Four Hundred and Fifty Four) Only

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NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Bida Enterprises has completed the work," Construction of Peripheral fencing for PMT-A1, A2 and A3 and A4 quarters at hoz, A.P." as per Specifications mentioned in BOQ. wide work order no: DGM(C)/HCMW/RHEP/T-6/2020-21/766 dtd 03/11/2021. *in all respect on 20/11/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C), HCMW

Dy. General Manager (C), HCMW

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P.O 5300006487

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
हौज सिविल मेंटेनेंस विंग, हौज, हेप्प / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 979 Dtd: 09/08/2021

To,

M/S TABA TAD
Hoj-Yaaye, Papum Pare
Arunachal Pradesh.

Sub: Work order for "Construction of Plan-IV (9) at dikrong power house hoz, RHEP, A.P."

Ref: NIT no: 03/2021-22/HCMW Dtd 01/04/2021

Dear Sir,

With reference to the above NIT, the undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as Annexure-A.
2) **Scope of work:** Construction of Plan-IV building.
3) **Value of Work: Rs 27, 91,130.00**(Rupees Twenty Seven Lakhs Ninety One Thousand One Hundred and Thirty Only).
4) **Time of completion:** 180 (One Hundred Eighty) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0**.
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 2 (Two) R.A bill shall be paid i.e First R.A bill on 50% completion of work and Final R.A bill on 100% successful completion and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.
13) **Paying Authority:** The Dy. General Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

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14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, a amendments as notified by the Govt. of India and State Govt. Shall be the responsib contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allo code no. by the Employee's Provident Fund Organization, Regional Office, North East Regi Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 380-84 Dtd 09/08/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 459 Dtd 22/07/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The DGM (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Name of work: Construction of Plan-IV (B) at dikrong power house hoz, RHEP, A.P.

NIT NO. No: 02 of 2021-22/ HCMW Dtd: 01/04/2021

Sl. No.	Item	Unit	Qntty	Rate	Amount
1	Site Development				
(i)	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50 m and lift upto 1.50 m. b) Hard soil	SqM	450.00	16.30	7335.00
2	Earth Work:				
(i)	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	CuM	15.000	309.68	4645.20
(ii)	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	CuM	43.225	1374.25	59401.96
3	P. C. C				
(i)	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	2.580	8275.26	21350.17
4	Shuttering and Form Work:				
	Centring and shuttering including strutting, propping etc and removal of form work for :				
(I)	Foundation, footings, bases of columns etc. and mass concrete.	SqM	19.50	385.71	7521.35
(II)	Lintels, beams, girders, bressumers and cantilevers etc.	SqM	205.85	509.43	104866.17
(III)	Column, pillars, posts and struts etc.	SqM	54.00	648.15	35000.10
5	Steel Work				
	Reinforcement of RCC work including bending, binding and placing in position complete.				
(i)	Tor/ TMT steel	Kg	1982.943	98.18	194685.34
(ii)	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer welded and bolted including special shaped washers etc complete (welding to be paid separately).	Kg	1696.906	124.71	211621.15
(iii)	Welding by Electric plant	Cmlength	3700.00	6.72	24864.00
(iv)	Providing and fixing MS grills of required pattern in frames of windows etc with MS flat, square or round bars with round headed bolts and nuts or by screws.a) Plain grill.	Kg	338.958	149.48	50667.44
6	R. C. C				
(I)	Reinforced concrete work in foundations, footings, bases of columns etc. and mass concrete excluding cost of centring, shuttering and reinforcement in a) M20 (1 cement :1.5 coarse sand :3 stone aggregate 20 mm nominal size).	CuM	2.869	9392.31	26946.54

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Sl. No.	Item	Unit	Quty	Rate	Amount
(ii)	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but exluding cost of centring, shuttering and reinforcement.a) M20 (1 cement : 1.5 course sand : 3 stone aggregate 20 mm nominal size).	CuM	3.375	10725.73	36199.34
(iii)	Reinforced cement concrete work in lintels, beams and bressumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.a) M20	CuM	14.544	10617.84	154425.86
7	D. P. C				
(i)	Providing and laying damp proof course 38 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 12.5 mm nominal size).	SqM	25.48	358.06	9123.37
8	Brick Work:				
(i)	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	9.263	9736.01	90184.66
(ii)	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	SqM	327.77	1229.53	403003.05
9	Plastering:				
(i)	15 mm cement pluster 1 : 4 (1 cement : 4 fine sand) on the rough side of single or half brick wall.	SqM	327.77	229.79	75318.27
(ii)	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	SqM	327.77	194.24	63666.04
10	Woed work				
(i)	Providing approved best available local wood (Class - B II) work in frames of doors, windows clerestory windows and other frames, wrought framed andfixed in position.	Tencudm	287.40	543.91	156319.73
(ii)	Providing and fixing panelled, glazed or panelled and glazed shutters fordoors, windows and clerestory windows including aluminium butt hinges withnecessary screws.	SqM	26.64	3511.76	93553.29
(iii)	Supplying and fixing factory made panelled shutters made out of best available hard wood for doors including panelling with panels 12 mm thick commercial veneered teak wood particle boards (Phenyle Bonded) 3 layers flat pressed including applying one coat of approved wood primer.c) 30 mm thick including anodized aluminum butt hinges with necessary screws.	SqM	26.88	3529.59	94875.38
(iv)	Providing best available local wood (Class - B II) work in frames of false ceiling, partitions and trusses etc, sawn and put up in position.	Tencudm	98.63	511.55	50454.18
(v)	Providing and fixing 4.0 mm thick asbestors plain sheet ceiling of approved quality with neccessary nails etc.complete (frame work: for base to be paid separately).	SqM	112.50	634.55	71386.88
(vi)	Providing and fixing 2.50 cm thick approved local wood eaves boards 23 cm wide with necessary mouldings etc.	Mtr	104.30	406.45	42392.74

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No.	Item	Unit	Qnty	Rate	Amount
(vii)	Providing and fixing aluminium tower bolts (barrel type) with necessary screws etc complete.b) 200 x 10 mm	Each	88.00	123.41	10860.08
(viii)	Providing and fixing aluminium sliding door bolts anodised transparent or dyed to required color or shade with nuts and screws etc complete.a) 300 x 16 mm	Each	16.00	307.04	4912.64
(ix)	Providing and fixing aluminium Handles anodised transparent or dyed to required color or shade with necessary screws etc complete.a) 125 mm	Each	60.00	95.23	5713.80
11	**Roofing**				
(i)	Providing and fixing Durashine zinc-Aluminium alloy coated (TATA Bluescope building product) sheet roofing fixed with necessary fasteners and lapping method as described by the manufacturer inclusive of cutting hoisting and fixing complete, excluding the cost of purlins, rafters and trusses.	Sqm	222.66	1052.07	234253.91
12	**Flooring**				
(i)	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement.c) 75 mm thick	SqM	112.50	787.17	88556.63
13	**Painting:**				
(i)	Distempering (two or more coats) with oil bound washable distemper of approved brand and manufacture and of required shade on new work over and including a priming coat with distemper primer of approved brand and manufacture to give an even shade.(interior walls)	SqM	541.53	97.76	52939.97
(ii)	Applying one coat of cement primer of approved brand and manufacture on wall surface.	SqM	139.38	41.40	5770.33
(iii)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.	SqM	139.38	186.27	25962.31
(iv)	Applying priming coat with ready mixed pink primer of approved brand and manufacture on wood work complete.	SqM	148.76	39.30	5846.27
(v)	Painting two or more coats with enamel paint of approved brand and manufacture in any shade on new work to give an even shade.	SqM	148.76	85.33	12693.69
14	**Plinth Protection:**				
(i)	Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement :3 coarse sand : 6 stone aggregate using 20 mm nominal size) over 75 mm bed of stone ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finsihing the top smooth.	SqM	34.80	611.22	21270.46
(ii)	Construction of cement concrete drain 15 cm wide and 15 cm deep in cement concrete 1 : 3 : 6 (1 cement : 3 sand : 6 hard graded stone chips or shingle 40 mm and down gauge) 8 cm thick on sides and bottom and plastering andall exposed surfaces with 12 mm thick cement mortar 1 : 3 (1 cement : 3coarse sand) including shuttering complete	Mtr	62.25	504.21	31387.07
15	**Water supply and sanitary**				
(i)	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting [illegible] making good the walls wherever required :Kitchen sink with drain board, 510x1040 mm bowl depth 225 mm	Each		6442.14	25768.56

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Sl. No.	Item	Unit	Qutty	Rate	Amount
(ii)	Providing and fixing white vitreous china water closet squatting pan size 580 mm size,b) Orissa type WC pan	Each	4.00	2241.87	8967.48
(iii)	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	12.00	681.24	8174.88
(iv)	Providing and fixing GI pipes complete with GI fittings and clamps including cutting and making good the walls (internal				
	a) 15 mm nominal bore	Mtr	40.00	275.33	11013.20
(v)	Providing and fixing sand cast iron/ cast iron (spun) soil, waste and vent pipes.				
	i)75mm	Mtr	32.00	961.38	30764.16
	(ii) 100mm	Mtr	16.00	1163.65	18618.40
	SEPTIC TANK				
1	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	CuM	18.000	309.68	5574.24
2	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	1.2430	8275.15	10286.14
3	Reinforced cement concrete in suspended floors, roofs, landings and balconies upto floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring and shuttering and reinforcement with M20	CuM	1.415	10747.08	15207.12
4	Centring and shuttering of Suspended floors, roofs, landings shelves and their supports, balconies and chajjas (3.5 m height).	SqM	16.750	805.44	13491.12
5	Reinforcement of RCC work including bending, binding and placing in position complete. Tor/ TMT steel	Kg	109.579	98.17	10757.37
6	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	2.898	9736.82	28214.99
7	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	SqM	33.73	194.24	6551.72
8	Neat cement Punning	SqM	33.73	57.76	1948.24
9	Construction of soak pit 1.2 x 1.1 x 1.2 m filled with brick bats including SW drain pipe 100 mm dia and 1.20 m long complete as per standard design.	Each	1.00	5818.00	5818.00
				Total =	2791129.95
				Say = Rs	27,91,130.00

(Rupees Twenty Seven Lakhs Ninety One Thousand One Hundred and Thirty) only

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
सिविल मेन्टिनेन्स विंग
Hoz, Arunachal Pradesh

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S TABA TAD has completed the work, " Construction of Plan-IV (9) at dikrong Power House hoz, RHEP, A.P" as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2021-22/379 dtd 09/08/2021 , *in all respect on 31/10/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited

FY 2021-2022 Annexure-16

Materials Goods Receipt

Goods Receipt Number	5000002557	Goods Receipt Date	Dec 24, 2021
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location		-	
Delivery Note No		PTE2122DCH44	
Vendor Address		100598 - POWER TOOLS & ENGINEERING Guwahati Assam	
Transporter Name			
Vehicle Number		AS01BZ0183	
L.R No.		PTE2122DCH44	
L.R Date		Dec 24, 2021	
PO Number	3600000489	PO Date	Jul 19, 2021

S.No.	Material No.	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
1		Megger make 3 phase winding analyser.	1	NO	1.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/O THE SR. MANAGER (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ओ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791119
Ph No. 03809-244346 (O)
E-mail: tanyataji@neepco.co.in

NO. RHEP/DGM(E)/PH&SY(O&M)/T-120(M)/21-22/ 124 Date : 19/07/21

To,

M/s Power Tools & Engineering
Seshaadhri Nilay, 1st Floor.
House No-29(A), D. Neog path, Ananda Nagar
Behind Dona Planet, GS Road, Guwahati-781 005, Assam.

SUB: **ORDER FOR SUPPLY & COMMISSIOING OF MEGGER MAKE 3-PHASE RATIO AND WINDING RESISTANCE ANALYZER FOR DIKRONG POWER HOUSE, RANGANADI H.E. PLANT, NEEPCO Ltd, ARUNACHAL PRADESH.**

Ref : 1. Our Letter No- RHEP/DGM(E)/PH&SY(O&M)/T-120(SY)/21-22/152 Dtd.04/05/2021
2 Offer No. PTE/SUP/21-22/030 Dtd. 04.05.2021
3. Email Dated 04/05/2021 & 13/07/2021

Dear Sir(s),

You being the authorized dealer of "MEGGER", the Corporation is pleased to place this order for supply & Commissioning of MEGGER make 3-phase Ratio & Winding Resistance Analyzer, Model No. MWA300 as per scope of work, price schedule, terms & conditions indicated below.

A. SCOPE OF WORK: The scope of work under this contract shall include supply, detail engineering, commissioning at site of Portable 3-phase Ratio & Winding Resistance Analyzer, Make-Megger, Model-MWA300 capable for conducting a test of ratio , phase , winding resistance measurement for 3-Phase Transformer such as Power Transformer, Distribution Transformer including CT, PT, Motors and Generators. The Freight and Insurance Covered under this scope of Work as because FOR is site basis. The scope includes the following accessories.

(a) Reputed brand Laptop with high end configuration.
(b) AC Power Cord (IEC60320-C13 to US Standard)-17032
(c)USB 2.0 Standard Type A to B Cable 2m-CA-USB
(d)USB Memory Stick, User Guide, Power DB Lite, Software related documents-1009-316
(e) Quick Guide-2008-071
(f) Ground Lead 9m-2002-131
(g) Canvas Carrying Bag-2005-265

B. PRICE SCHEDULE:

Sl No	Description of Item.	Qty (set)	Rate in (₹)	Amount in (₹)
1.	Supply, Engineering & Commissioning of 3-phase Ratio & Winding Resistance Analyzer with Laptop Make-Megger Model-MWA300 Include Accessories (a)AC Power Cord (IEC60320-C13 to US Standard)-17032 (b)USB 2.0 Standard Type A to B Cable 2m-CA-USB (c)USB Memory Stick, User Guide, Power DB Lite, Software related documents-1009-316 (d) Quick Guide-2008-071 (e) Ground Lead 9m-2002-131 (f) Canvas Carrying Bag-2005-265	01	4210000.00	4210000.00
			Total (₹)	4210000.00
			Discount @1% in ₹	42100.00
			Total (₹)	4167900.00
			Add GST @18% in ₹	750222.00
			Total (₹)	49,18,122.00

(Rupees Forty Nine Lakh Eighteen Thousand One Hundred Twenty Two Only)

Contd....P/2

C. **TERMS & CONDITIONS :**

1. **Price:** The rates indicated above are at FOR Site basis inclusive of GST as indicated above. The rates shall remain firm till completion of supply.

2. **Order Value:** ₹ 49,18,122.00 (Rupees Forty Nine Lakh Eighteen Thousand One Hundred Twenty Two) only inclusive of GST as indicated above.

3. **Discount:** Discount @ 1 % (One percent) shall be applicable as indicated above.

4. **Good & Service Taxes (GST):** GST shall be paid extra on the supply at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill. **Our GSTIN No-12AAACN9991J4Z0.**

5. **Delivery :** The material shall be delivered within 90 (Ninety) Days from the date of issue of this order . Equipment shall be supplied with a warranty and calibration Certificate along with all required accessories as indicated above. However all efforts should be made to supply the material at an earliest.

6. **Payment:** 90% (Ninety percent) payment shall be made after receipt of material at site in full & good condition and successful commissioning. Balance 10% (ten percent) payment shall be made on submission of Performance Bank Guarantee of equivalent. The Performance Bank Guarantee shall be valid for a period such as to cover one month of the warrantee/guarantee period of the contract.PBG shall be release after the expiry of warrantee/guarantee period which is indicated in Clause No 9. Performance BG form is enclosed in Annexure-I.

   You are also requested to submit the following details along with your Bill / Invoice for e-payment to consignee:
   i) Name & complete address of the firm as per bank record.
   ii) Complete address of the Bank with Branch details.
   iii) Type of Bank Account (Saving/Current/Cash Credit).
   iv) Bank Account Number (Indicating Core Banking Account Number), if any.
   v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
   vi) Permanent Account Number (PAN) under Income Tax.
   vii) GST Number (for supply of Goods and services) as applicable.
   viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

7. **O&M Manual:** The supplier shall provide 02 (two) sets of operation & maintenance manual of the product along with the kit.

8. **Calibration Certificate:** Manufacturer's calibration Certificate of the equipment as per relevant IS to be submitted along with the equipment.

9. **Guarantee/Warranty:** The supplied equipment shall be warranted against any Manufacturing or technical defect or erroneous results for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Any defects arises during this period shall be rectified /replaced free of cost by the supplier.

10. **Testing & Commissioning :** The equipment shall be Tested & commissioned by engineer of M/s Megger India Pvt. Ltd at site to the full satisfaction of Engineer In-charge. The engineer shall provide a demonstration on operation & maintenance of the Ratio & Winding Resistance Analyzer Equipment to site engineers at project site. After receipt of material at site you will be intimated for deputation of your engineer. No any extra payment for Testing & commissioning shall be paid. However only free accommodation for your engineer shall be provide at the project guest house. Manager(E/M), PH & SY (M) shall be Engineer I/C for this contract.

11. **Technical Specification:**Technical specification of Equipment along with Laptop shall be as per Annexure – II.

Contd....P/3

12. **Consignee:** The Manager (EI), Power House Store, RHEP, Hoz (Yayee), Papumpare Dist., Pin – 791 112, Arunachal Pradesh.

13. **Destination:** Dikrong Power House, Ranganadi HE Plant, NEEPCO Ltd, Hoz (Yayee) , Dist. Papumpare, Arunachal Pradesh.

14. **Paying Authority :** The DGM (Finance), F & A Wing, RHEP, NEEPCO Ltd., Yazali, Pin 791 119, Arunachal Pradesh.

15. **Liquidated Damage:** If the firm fail to supply material within the stipulated time as mentioned in this order then the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

16. **Force Majeure :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding

17. **Arbitration:**

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge receipt and acceptance of this order for our record.
Thanking you.

Enclo: 1. PBG Format- Annex-I

Yours faithfully,

(TANYA TAJI)
DGM (E/M)
PH & SY (O&M)
RHEP, NEEPCO Ltd., Hoj

Memo No RHEP/DGM(E)/PH&SY(O&M)/T-120(M)/21-22/ 625 – 650 Date: 19/8/21

Copy to :-

1. The Head of Project, RHEP – for favour of kind information please. This has reference to his approval conveyed vide U.O. No.440, Dtd. 14.07.21.
2. The GM (E/M),I/C, RHEP - for favour of kind information please.
3. The DGM (Finance), RHEP – for favour of kind information please. A copy of approval of HOP, RHEP is enclosed here with for his reference please.
4. The Sr. Manager (C), Vigilance Wing, RHEP – for information please.
5. The Manager (E), PH Store, RHEP, Hoj – for information and necessary action please.
6. The Manager (E), PH&SY(M), Hoj for information & necessary action please.

DGM (E/M) 19/8/21
PH & SY (O&M) RHEP

TECHNICAL SPECIFICATIONS

Input Power
MWA3xx: 108 to 132 V, (207 to 253 V*), 58 - 62 Hz, 660 VA
MWA3XX-47: 207 to 253 V, (108 to 132 V*), 48 - 52 Hz, 660 VA
*Input fuse change required - 6.3A fuse for 120 V nominal and 4.0A fuse for 230 V nominal line input.

Internal Data Storage
MWA330A (built-in computer): up to 100,000 data sets

Communication/Control Software
MWA3xx: PowerDB Lite

MWA330A: Controlled via built-in industrial PC or external customer PC.
The MWA330A's internal computer is designed to control a limited number of Megger instruments including the DELTA4000 as well as the Megger S1 and MIT Series DC insulation testers.

Environmental
Operating: -10° C to +50° C (14° F to 122° F)
Storage: -30° C to +70° C (-22° F to +158° F)
Relative Humidity: 0-90% non-condensing

Case
Ruggedized case (metal/plastic trim) with removable lid and soft-side pouch with carrying strap

Safety/EMC/Vibration
Conforms to the requirements of:
IEC 61010-1:2010
ASTMD999.75,
IEC 61326-1:2012* (both emissions and immunity)
*-see manual

Dimensions/Weight

Dimensions
290 x 290 x 460 mm (11 x 11 x 18 in.) does not include handles

Weight
Standard unit: 14.5 kg (32 lbs)

Transformer Winding Phase Relationship

ANSI C57.12.70-1978
CEI/IEC 76-1:1993 and Publication 616:1978
AS-2374, Part 4-1982 (Australian Standard)
DC Specifications (Winding resistance, LTC/continuity, core demagnetization, heat-run)

Resistance

Resistance ranges:

Current Range (A)	Resistance Range (Ω)	Resolution (Ω)
10 A	10 µΩ to 0.2 Ω	0.000001
10 A	0.2 Ω to 2 Ω	0.0001
1 A	100 µΩ to 2 Ω	0.00001
1 A	2Ω to 20 Ω	0.001
100mA	1 mΩ to 20 Ω	0.0001
100mA	20 Ω to 200 Ω	0.01
10 mA	10 mΩ to 200 Ω	0.001
10 mA	200 Ω to 2000 Ω	0.1

Accuracy: ±0.25% Range ±0.25% Rdg
Resolution: Up to 4 digits

Excitation Current Specifications
Range and Accuracy
0 to 500 mA, 3 digit resolution, ±(2% of reading + 1 digit)

AC Specifications (Turns Ratio, Winding Balance)
Range and Turns Ratio Accuracy:
8 V AC:
±0.1% (0.8 to 2000)
±0.25% (2001 to 4000)
±0.35% (4001 to 8000)
40 V AC:
±0.1% (0.8 to 2000)
±0.15% (2001 to 4000)
±0.3% (4001 to 10,000)
±0.35% (10,001 to 25,000)
80 V AC:
±0.1% (0.8 to 2000)
±0.15% (2001 to 4000)
±0.25% (4001 to 10,000)
±0.30% (10,001 to 45,000)

Phase Specifications (Phase angle deviation, Phase- shift analysis, auto Vector detection)
Input voltages: 8, 40, and 80 V AC Range and Accuracy
±90 degrees, 2 decimal points for the degree display, or for the centi-radian display
Accuracy: ±3 minutes (from 0.8:1 – 2,000:1)

The Technical Configuration of Laptop

The Laptop should have following minimum configuration of reputed Brand

(a) Intel i5/i7 11 Generation
(b) 8GB RAM
(c) 512 GB SSD
(d) Integrated Graphic Card
(e) Windows 10 Professional
(f) MS Office 365

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
पैन्योर लोआर हाइड्रो पावर स्टेशन : PANYOR LOWER HYDRO POWER STATION
सड़क और इमारत विभाग : Road and Building (M) Department
याजली, अरुणाचल प्रदेश : Yazali, Arunachal Pradesh

COMPLETION CERTIFICATE

Name of work	:	Construction of Breast wall and drain along Pitapool Damsite road from Ch. 1700.00m to 1840.00m (Ch. 0.00m at PLHPS Dam main gate), PLHPS, NEEPCO Ltd. Ar. Pr
Name of Contractor	:	M/s Nabam Tad, Vill: - Amchi, Dist: Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	11535, Page no: 33 of 43
Work order no.	:	NEEPCOPLHPS/GM(C)/201/2022-23/7230 Dtd. 16.03.2023
Agreement no.	:	NEEPCO/PLHPS/GM(C)/246/100 Dated. 16.03.2023
Date of Start	:	16.03.2023
Date of completion as per W.O.	:	16.05.2023
Actual Date of Completion	:	23.04.2023
Value of work	:	₹ 25,90,802.00/-

Certified that the work has been physically completed on 23.04.2023 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

28/4/23

Sr. Manager(C), R&B(M)

COMPLETION CERTIFICATE

Name of work	:	Construction of Breast wall and drain along Pitapool Damsite road from Ch. 2150.00m to 2275.00m (Ch. 0.00m at RHEP Dam main gate), RHPS, NEEPCO Ltd. Ar. Pr.
Name of Contractor	:	M/s T. R. Enterprise, Vill: - Rub, Dist: Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	10581, Page no: 126 of 134
Work order no.	:	NEEPCO/RHPS/GM(C)/201/2022-23/7263 Dtd. 22.03.2023
Agreement no.	:	NEEPCO/RHPS/GM(C)/246/102 Dated. 22.03.2023
Date of Start	:	22.03.2023
Date of completion as per W.O.	:	22.05.2023
Actual Date of Completion	:	23.04.2023
Value of work	:	₹ 24,65,009.00/-

Certified that the work has been physically completed on 23.04.2023 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

26/4/23

Sr. Manager(C), R&B(M)

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
पैन्योर लोअर हाइड्रो पावर स्टेशन : PANYOR LOWER HYDRO POWER STATION
सड़क और इमारत विभाग :: Road and Building (M) Department
याजली, अरुणाचल प्रदेश : Yazali, Arunachal Pradesh

COMPLETION CERTIFICATE

Name of work	:	Construction of Breast wall and drain along Pitapool Damsite road from Ch. 2275.00m to 2400.00m (Ch. 0.00m at RHEP Dam main gate), RHPS, NEEPCO Ltd. Ar. Pr.
Name of Contractor	:	M/s Akin Wooden Furniture, Vill: - Yazali, Dist: Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	10996, Page no: 104 of 114
Work order no.	:	NEEPCO/PLHPS/GM(C)/201/2022-23/7272 Dtd. 22.03.2023
Agreement no.	:	NEEPCO/PLHPS/GM(C)/246/103 Dated. 22.03.2023
Date of Start	:	22.03.2023
Date of completion as per W.O.	:	22.05.2023
Actual Date of Completion	:	23.04.2023
Value of work	:	₹ 24,64,583.00/-

Certified that the work has been physically completed on 23.04.2023 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

26/4/23

Sr. Manager(C), R&B(M)

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

T-101/2021

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021

To,

M/s B.Y.Enterprise
Vill:- Yazali
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along Pitapool-Dam site road from Ch. 49.00 m to Ch. 210.00 m towards Pitapool,RHEP,A.P. (Ch. 0.00 at abandoned gammon quarry) GROUP-I**

Ref: This office NIT no. RHEP/GM/25/2020-21 dtd. 16.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along Pitapool-Dam site road from Ch. 49.00 m to Ch. 210.00 m towards Pitapool,RHEP,A.P. (Ch. 0.00 at abandoned gammon quarry) GROUP-I** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along Pitapool-Dam site road from Ch. 49.00 m to Ch. 210.00 m towards Pitapool,RHEP,A.P. (Ch. 0.00 at abandoned gammon quarry) GROUP-I** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 14,95,659.00** (Rupees fourteen lacs ninety five thousand six hundred fifty nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 90** (Ninety) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

AM(C)-II, RHEP

-627-

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate**: - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M). RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you,

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO Ltd,Yazali,A.P.

Memo No: - NEEPCO/RHEP/GM(C)/ 2020-21/ 718-21 **Dated 05.02.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Sr.Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 816 dtd. 29.01.2021
3. The Sr.Manager©, R&B(M),RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO, Ltd.azali(A.P)

Construction of breast wall along Pitapool Damsite road from abandoned gammon quarry towards Pitapool (Ch. 49.00m to 210.00m),RHEP,A.P. GROUP-I					Annexure-1
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification including setting out, construction of shoring and bracing,removal of stumps and other deleterious matter, dressing of sides and bottom and back filling with approved materials. 1. Ordinary soil A. Means (i) upto 3 m depth	Cum	555.000	192.00	**106560.00**
2	P.C.C.1:3:6 in foudation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	43.956	8481.00	**372790.84**
3	Stone masonry work in cement moratar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	135.975	7203.00	**979427.93**
4	Back filling behind abutment, wing wall and retrun wall complete as per drawing and technical specification . A. Granular material.	Cum	16.650	2215.00	**36879.75**
					1495658.51
				Say	**14,95,659.00**

(Rupees fourteen lacs ninety five thousand six hundred fifty nine) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

T-101/2021

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021

To,

M/s T.J.Enterprise
Vill:- Potin,
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along Pitapool Dam-site road from Ch. 210.00 m to Ch. 300.00 m RHEP,A.P. (Ch.0.00m at abandoned gammon quarter) GROUP-I.**

Ref: This office NIT no. RHEP/GM/29/2020-21 dtd. 19.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along Pitapool Dam-site road from Ch. 210.00 m to Ch. 300.00 m RHEP,A.P. (Ch.0.00m at abandoned gammon quarter) GROUP-I.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along Pitapool Dam-site road from Ch. 210.00 m to Ch. 300.00 m RHEP,A.P. (Ch.0.00m at abandoned gammon quarter) GROUP-I.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in-charge (EIC).
2. **Value of work: - 11,05,289.00** (Rupees eleven lacs five thousand two hundred eighty nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

8/02/2021

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 713-16 **Dated 05.02.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No.817 dtd. 29.01.2021.
3. The Sr.Manager©,R&B(M),RHEP,NEEPCO Ltd,Yazali,A.P.for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Name of the work: :Construction of Beast wall along Pitapool Damsite Road from Ch. 210.00m to Ch. 300.00m RHEP,A.P. (Ch. 0.00m at abandoned Gammon Quarry) GROUP-I					Annexure-I
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification ,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)I.Ordinary soil A. Manual means (i) Depth upto 3 m	Cum	410.000	190.00	77900.00
2	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	32.472	8490.00	275687.28
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	100.450	7212.00	724445.40
4	Back filling behind abutment, wing wall and return wall complete as per drawing and technical specification . A. Granular material	Ton	12.300	2216.00	27256.80
					1105289.48
				Say	**11,05,289.00**

(Rupees eleven lacs five thousand two hundred eighty nine) only

General Manager ©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्ट्रर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

T-101/2021

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021

To,

M/s Kullu Enterprise
Vill:- Pitapool
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wal along Pitapool Damsite road from Ch. 328.00m to Ch. 450.00 m towards Pitapool. RHEP,A.P. (Co. 0.00 m at abandoned gammon quarry).**

Ref: This office LNIT no. RHEP/GM/24/2020-21 dtd. 16.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wal along Pitapool Damsite road from Ch. 328.00m to Ch. 450.00 m towards Pitapool. RHEP,A.P. (Co. 0.00 m at abandoned gammon quarry).** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wal along Pitapool Damsite road from Ch. 328.00m to Ch. 450.00 m towards Pitapool. RHEP,A.P. (Co. 0.00 m at abandoned gammon quarry).** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 15,63,689.00** (Rupees fifteen lacs sixty three thousand six hundred eighty nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 90** (Ninety) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

O/C 8/02/21 AM(C)-II, RHEP ~635

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority**: - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes**: The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate**: - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 738-41 **Dated 05.02.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Sr.Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 812 dtd. 29.01.2021.
3. The Sr.Manager©, R&B(M), RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEPNEEPCO. Ltd.azali(A.P)

Name of the work: :Construction of breast wall along Pitapool Damsite road from Ch. 328.00m to 450.00m towards Pitapool,RHEP,A.P. (Ch.00.00m at abandoned quarry)					Annexure-I
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification including setting out, construction of shoring and bracing,removal of stumps and other deleterious matter, dressing of sides and bottom and back filling with approved materials. 1. Ordinary soil A. Means (i) upto 3 m depth	Cum	580.000	193.00	111940.00
2	P.C.C.1:3:6 in foudation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	45.936	8480.00	389537.28
3	in foundation complete as per drawing and technical specification B. Random Rubblel Masonry	Cum	142.100	7204.00	1023688.40
4	Back filling behind abutment, wing wall and retrun wall complete as per drawing and technical specification . A. Granular material.	Cum	17.400	2214.00	38523.60
					1563689.28
				Say	**15,63,689.00**

(Ruces fifteen lacs sixtty three thousand six hundred eighty nine) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

T-101

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Government of India Enterprise)

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001 2007

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

42-5

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 28.01.202

To,

M/s T.R.Enterprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along Pitapool Dam site road from Ch. 903 .00m to 968.00m (Ch. 0.00 at RHEP Dam main gate), Yazali,A.P. (GROUP-I)**

Ref: This office NIT no. RHEP//GM/ 21/2020-21 dtd. 26.11.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along Pitapool Dam site road from Ch. 903 .00m to 968.00m (Ch. 0.00 at RHEP Dam main gate), Yazali,A.P. (GROUP-I))** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along Pitapool Dam site road from Ch. 903 .00m to 968.00m (Ch. 0.00 at RHEP Dam main gate), Yazali,A.P. (GROUP-I)** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in-charge (EIC).
2. **Value of work: - 8,75,989.00** (Rupees eight lacs seventy five thousand nine hundred eighty nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy GeneralManager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP.NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 638-41 Dated 28.01.2021

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 18.01.2021
2. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No758 Dtd. 07.01.2021.
3. The Sr.Manager©, R&B(M),RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO. Ltd,azali(A.P)

Name of the work: : Construction of breast wall along Pitapool Dam site road from Ch. 903.00m to 968.00m (Ch. 0.00 at RHEP Dam Main Gate),Yazali,A.P..**(GROUP-I)**

Annexure-I

		Unit	Qntity	Rate	Amount
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification ,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)I.Ordinary soil A. Manual means (i) Depth upto 3 m	Cum	**325.000**	192.620	62601.50
2	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	**25.740**	8480.810	218296.05
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	**79.625**	7202.740	573518.17
4	Back filling behind abutment, wing wall and return wall complete as per drawing and technical specification . A. Granular material	Ton	**9.750**	2212.640	21573.24
					875988.96
				say	**875989.00**

(Rupees eight lacs seventy five thousand nine hundred eighty nine) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

T-101/2021

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021.

To,

M/s T.R.Enterprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along Pitapool Dam-site road from Ch. 968.00 m to Ch. 1033.00 m (Ch. 0.00 at Dam main gate) Yazali,A.P. GROUP-II.**

Ref: This office NIT no. RHEP/DGM/31/2020-21 dtd. 21.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along Pitapool Dam-site road from Ch. 968.00 m to Ch. 1033.00 m (Ch. 0.00 at Dam main gate) Yazali.A.P. GROUP-II** ,as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of breast wall along Pitapool Dam-site road from Ch. 968.00 m to Ch. 1033.00 m (Ch. 0.00 at Dam main gate) Yazali,A.P. GROUP-II.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 8,71,146.00** (Rupees eight lacs seventy one thousand one hundred forty six) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be

8/2/21

made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO Ltd.Yazali,A.P.

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 723-26 Dated 05.02.2021

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 811 Dtd. 29.01.2021.
3. The Sr.Manager©, R&B(M),RHEP,NEEPCO Ltd. Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager ©

RHEP, NEEPCO. Ltd.azali(A.P)

	Name of the work: : Construction of breast wall along Pitapool Dam site road from Ch. 968.00m toCh. 1033.00m (Ch. 0.00 at RHEP Dam Main Gate),Yazali,A.P..(GROUP-II)				
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification ,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)I.Ordinary soil A. Manual means (i) Depth upto 3 m	Cum	319.000	192.00	**61248.00**
2	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	25.740	8444.00	**217348.56**
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	79.625	7172.00	**571070.50**
4	Back filling behind abutment, wing wall and return wall complete as per drawing and technical specification . A. Granular material	Ton	9.750	2203.00	**21479.25**
					871146.31
				Say	**8,71,146.00**

(Rupees eight lacs seventy one thousand one hundred forty six)only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

439
5/2/21

T-101

No. NEEPCO/RHEP/GM(C)/201/2020-21/ Dated 05.02.2021

To,

M/s T.J.Enterprise
Vill:- Potin,
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of breast wall along along Pitapool Dam-site road from Ch. 1033.00 m to Ch. 1112.00m (Ch. 0.00 at RHEP Dam main gate),Yazali,A.p. GROUP-III**

Ref: This office NIT no. RHEP/GM/32/2020-21 dtd. 21.12.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of breast wall along along Pitapool Dam-site road from Ch. 1033.00 m to Ch. 1112.00m (Ch. 0.00 at RHEP Dam main gate),Yazali,A.p. GROUP-III** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work**: - The work is for **Construction of breast wall along along Pitapool Dam-site road from Ch. 1033.00 m to Ch. 1112.00m (Ch. 0.00 at RHEP Dam main gate),Yazali,A.p. GROUP-III** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 8,74,471.00** (Rupees eight lacs seventy four thousand four hundred seventy one) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates: -** The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.: -** The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification**: As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period: -** The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

8/2

AM(C)-II, RHEP

~647~

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (Ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority**: - The Deputy General Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO. Ltd,azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2020-21/ 708-11 **Dated 05.02.2021**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 03.02.2021
2. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No. 816 Dtd. 29.01.2021.
3. The Sr.Manager©,R&B(M), REHP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
4. The Sr. Manager (C), Vigilance wing, RHEP,NEEPCO Ltd, for information please.

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Name of work:- Construction of breast wal along Pitapool damsite road from Ch. 1033.00 m to Ch. 1112.00m (Ch. 0.00 m at RHEP dam main gate)					Annexure-I
				GROUP-III	
1	Excavation for structurers (Earth work in excavation of foundation of structurers as per drawing and technical specification ,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)I.Ordinary soil A. Manual means (i) Depth upto 3 m	Cum	324.500	192.00	**62304.00**
2	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechnically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	25.740	8468.00	**217966.32**
3	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and technical specification B. Random Rubble Masonry	Cum	79.625	7192.00	**572663.00**
4	Back filling behind abutment, wing wall and return wall complete as per drawing and technical specification . A. Granular material	Ton	9.750	2209.00	**21537.75**
					874471.07
				Say	**8,74,471.00**

(Rupees eight lacs seventy four thousand four hundred seventy one) only

General Manager ©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 27.01.2023

To,

M/s Taba Teri
Vill:- Amchi
Dist: Lower Subansiri,
Arunachal Pradesh.

CA - 1122370202
PR - 1400000367
PO - 3700004652

7/6 1/2/23

Sub: Work Order for **"Construction of Breast wall and drain along Pitapool dam site road from C. 1858.00m to 1920 m (Ch.0.00m at RHPS Dam main gate) GROUP-II"**

Ref: This office LNIT no. RHEP/GM/61/2022-23 dtd. 21.12.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of Breast wall and drain along Pitapool dam site road from C. 1858.00m to 1920 m (Ch.0.00m at RHPS Dam main gate) GROUP-II** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Breast wall and drain along Pitapool dam site road from C. 1858.00m to 1920 m (Ch.0.00m at RHPS Dam main gate) GROUP-II** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 9,47,505.00** (Rupees Nine lakhs Forty-Seven thousand Five Hundred Five) only which is inclusive of all applicable taxes.
3. **Time of completion:** - 2 (Two) Months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F),** RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP.NEEPCO. Ltd.Yazali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2022-23/ 3006–09 **Dated 27.01.2023**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 25.01.2023
2. The Sr. Manager©, R&B(M) ,RHEP,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),RHEP,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 952 Dtd. 21.01.2023

General Manager (C)
RHEP,NEEPCO. Ltd.Yazali(A.P)

Construction of Breast wall and drain along Pitapool dam site road from C. 1858.00m to 1920 m (Ch.0.00m at RHPS Dam main gate) GROUP-II					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil A Manual Means (i) upto 3 m dept	cum	19.600	390.00	7644
2	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil B)Mechanical Means (i) upto 3 m depth	cum	124.000	98.00	12152
3	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	26.652	8534.00	227448.168
4	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification (b) Random Rubble Masonry	cum	75.950	7008.00	532257.6

Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
5	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications B. PCC Grade M20. Case I. Using concrete mixer	Cum	12.600	11905.00	150003
6	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification A Granular material	Cum	6.000	3000.00	18000
					947504.77
				Say	**9,47,505.00**

(Rupees Nine lakhs Forty-Seven thousand Five Hundred Five) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

No. NEEPCO/PLHPS/GM(C)/201/2022-23/ Dated 22.03.2023

735
31/3/23

To,

M/s **Taba Talar**
Village: Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for " **Construction of Breast wall and drain along Pitapool Dam site road from 2040.00M to 2140m (Chainage 0.00M at PLHPS Dam main gate)PLHPS, NEEPCO Ltd, Ar. Pr.**"

Ref: This office LNIT no. PLHPS/GM/91/2022-23 dtd. 30.01.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of " **Construction of Breast wall and drain along Pitapool Dam site road from 2040.00M to 2140m (Chainage 0.00M at PLHPS Dam main gate)PLHPS, NEEPCO Ltd, Ar. Pr.**"as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Breast wall and drain along Pitapool Dam site road from 2040.00M to 2140m (Chainage 0.00M at PLHPS Dam main gate)PLHPS, NEEPCO Ltd, Ar. Pr.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 17,13,879.00** (Rupees Seventeen lakhs Thirteen thousand Eight hundred Seventy-Nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 2**(Two) Month from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

Work order Dy. M(C), Sore m/c please.
31/3/23.

~ 650 ~

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F)**, PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO**, 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
PLHPS.NEEPCO. Ltd.Yazali(A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2022-23/ 7291-917 Dated 22.03.2023

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3077 dated 21.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1037 Dtd. 15.03.2023

General Manager (C)
PLHPS,NEEPCO. Ltd.Yazali(A.P)

Work Order for " Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2040m to 2170m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. A Manual Means (i) upto 3 m dept	cum	35.350	400.00	14140
2	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. B)Mechanical Means (i) upto 3 m depth	cum	260.000	156.00	40560
3	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	38.648	8150.00	314981.2
4	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification. (b) Random Rubble Masonry	Cum	143.300	7150.00	1024595
5	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications B. PCC Grade M20. Case I. Using concrete mixer	cum	22.725	11200.00	254520

Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
6	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification. A Granular material	Cum	21.000	2390.00	50190
7	Supplying, fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specifications	ton.	0.106	140500.00	14893
					1713879.20
				Say	**17,13,879.00**

17,13,879.00 (Rupees Seventeen lakhs Thirteen thousand Eight hundred Seventy-Nine) only

General Manager©
PLHPS,NEEPCO Ltd,Yazali,A.P.

(17)

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

Office of the General Manager (C)

Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2022-23/ Dated 22.03.2023

737
3/3/23

To,

M/s Akin Wooden Furniture
Town:- Yazali
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2275.00m to 2400.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P."**

Ref: This office LNIT no. PLHPS/GM/83/2022-23 dtd. 27.01.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2275.00m to 2400.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P.**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2275.00m to 2400.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 24,64,583.00** (Rupees Twenty-Four lakhs Sixty-Four thousand five hundred Eighty-Three) only which is inclusive of all applicable taxes.
3. **Time of completion: - 2** (Two) Months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit :-** As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F),** PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation:** - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety:** - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance:** - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract:** The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO,** 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
PLHPS.NEEPCO. Ltd.Yazali(A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2022-23/ 72 73-76 **Dated 22.03.2023**

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3076 dated 21.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1046 Dtd. 17.03.2023

General Manager (C)
PLHPS,NEEPCO. Ltd.Yazali(A.P)

Work Order for "Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2275.00m to 2400.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P."					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. A Manual Means (i) upto 3 m dept	cum	44.100	191.00	8423.1
2	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. B)Mechanical Means (i) upto 3 m depth	cum	248.000	93.00	23064
3	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	56.805	8518.00	483864.99
4	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification. (b) Random Rubble Masonry	cum	214.086	7264.00	1555120.704

SL No	Item	Unit	Qntity	Rates	
				Rates	Amount
5	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications B. PCC Grade M20. Case I. Using concrete mixer	Cum	28.350	11127.00	315450.45
6	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification. A Granular material	Cum	34.500	2280.00	78660

2464583.24

Say **24,64,583.00**

(Rupees Twenty-Four lakhs Sixty-Four thousand five hundred Eighty-Three) only

General Manager©
PLHPS,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

Office of the General Manager (C)

Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2022-23/ Dated 22.03.2023

To,

M/s T.R. Enterprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

737
31/3/23

Sub: Work Order for **"Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2150.00m to 2275.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P"**

Ref: This office LNIT no. PLHPS/GM/79/2022-23 dtd. 25.01.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2150.00m to 2275.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2150.00m to 2275.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P I** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 24,65,009.00** (Rupees Twenty-Four lakhs Sixty-Five thousand Nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 2** (Two) Months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F)**, PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS,** 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO,** 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
PLHPS.NEEPCO. Ltd.Yazali(A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2022-23/ 764-67 **Dated 22.03.2023**

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3075 dated 21.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1066 Dtd. 20.03.2023

General Manager (C)
PLHPS,NEEPCO. Ltd.Yazali(A.P)

Work Order for "Construction of Breast wall and drain along Pitapool Dam site road from Ch. 2150.00m to 2275.00M (Chainage 0.00M at PLHPS Dam main gate)PLHPS,NEEPCO Ltd, A.P"					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. A Manual Means (i) upto 3 m dept	cum	44.100	190.00	8379
2	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) I Ordinary soil. B)Mechanical Means (i) upto 3 m depth	cum	248.000	93.00	23064
3	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	56.805	8518.00	483864.99
4	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification. (b) Random Rubble Masonry	cum	214.086	7263.00	1554906.618

Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
5	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications B. PCC Grade M20. Case I. Using concrete mixer	Cum	28.350	11127.00	315450.45
6	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification. A Granular material	Cum	34.800	2280.00	79344
					2465009.06
				Say	**24,65,009.00**

(Rupees Twenty-Four lakhs Sixty-Five thousand Nine) only

General Manager©
PLHPS,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

No. NEEPCO/PLHPS/GM(C)/201/2022-23/ Dated 24.03.2023

To,

M/s **Rini Enterprise**
Village: Rub, 43km
Dist: Lower Subansiri,
Arunachal Pradesh.

734
31/3/23

Sub: Work Order for "" **Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 1830m to 2040m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "**

Ref: This office LNIT no. PLHPS/GM/88/2022-23 dtd. 30.01.2023

Dear Sirs,
In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of " **Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 1830m to 2040m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

Scope of work: - The work is for " **Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 1830m to 2040m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).

1. **Value of work: - 22,49,171.00** (Rupees Twenty-Two lakhs Forty-Nine thousand One hundred Seventy-One) only which is inclusive of all applicable taxes.
2. **Time of completion: - 1** (One) Month from the date of issue of this order.
3. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
4. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
5. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
6. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.

31/3/23

7. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

8. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

9. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.

10. **Paying authority: - The Manager (F),** PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard. (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.

11. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.

12. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.

13. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.

14. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.

15. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.

16. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS,** 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO,** 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
PLHPS, NEEPCO. Ltd, Yazali(A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2022-23/ 9309-12 **Dated 24.03.2023**

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3074 dated 21.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1047 Dtd. 17.03.2023

General Manager (C)
PLHPS,NEEPCO. Ltd. Yazali(A.P)

Work Order for " Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 1830m to 2040m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres.)	sqm	102.000	45.00	4590
2	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M15.	Cum	44.850	10000.00	448500
3	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M20.	Cum	161.460	11124.00	1796081.04
					2249171.04
				Say	**22,49,171.00**

(Rupees Twenty-Two lakhs Forty-Nine thousand One hundred Seventy-One) only

General Manager©
PLHPS,NEEPCO Ltd,Yazali,A.P.

(28)

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

Office of the General Manager (C)

Panyor Lower Hydro Power Station P.O. Panyor Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2022-23/ Dated 06.03.2023

To,

M/s Rini Enterprise
Village Rub
Lower Subansiri
Arunachal Pradesh

Sub: Work Order for **"Construction of cement concrete road connecting PLHPS Dam to 43Km, NEEPCO Colony, from Ch. 1650.00m to 1830.00m (Ch.0.00m PLHPS Dam main gate), PLHPS, NEEPCO Ltd, Yazali, A.P."**

Ref: This office LNIT no. PLHPS/GM/ 78/2022-23 dtd. 25.01.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of cement concrete road connecting PLHPS Dam to 43Km, NEEPCO Colony, from Ch. 1650.00m to 1830.00m (Ch.0.00m PLHPS Dam main gate), PLHPS, NEEPCO Ltd, Yazali, A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

Scope of work: - The work is for **"Construction of cement concrete road connecting PLHPS Dam to 43Km, NEEPCO Colony, from Ch. 1650.00m to 1830.00m (Ch.0.00m PLHPS Dam main gate), PLHPS, NEEPCO Ltd, Yazali, A.P.**

1. as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 22,57,092.00** (Rupees Twenty-Two lakhs Fifty-Seven thousand ~~Five~~ hundred Ninety-Two) only which is inclusive of all applicable taxes.
3. **Time of completion: - 1(One)** Month from the date of issue of the Order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.

Dy. M. (C), for info please.
16/3/23

8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting **to 3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F),** PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance:** - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate: -** The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the Sr. **Manager(C), R&B(M), NEEPCO. Limited PLHPS,** 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C),** R&B, **PLHPS, NEEPCO,** 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclosed: Annexure-I
Drawing

General Manager (C)
PLHPS.NEEPCO. Ltd. Yazali (A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2022-23/ 7212-15 **Dated 06.03.2023**

Copy to:-

1. The Head of Project, PLHPS for favor of kind information please. This is with reference to his approval dated U.O. No.2962 Dated 04.03.2023
2. The Senior Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Deputy General Manager (Vigilance),PLHPS,NEEPCO Ltd,Yazali,A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1022 Dtd. 02.03.2023

General Manager (C)
PLHPS,NEEPCO. Ltd, Yazali (A.P)

Work Order for "Construction of cement concrete road connecting PLHPS Dam to 43Km, NEEPCO Colony, from Ch. 1650.oom to 1830.00m (Ch.0.00m PLHPS Dam main gate), PLHPS, NEEPCO Ltd, Yazali, A.P."					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres.)	sqm	108.000	49.00	5292
2	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M15.	Cum	45.000	10800.00	486000
3	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M20.	Cum	162.000	10900.00	1765800
					2257092.00
				Say	**22,57,092.00**

(Rupees Twenty-Two lakhs Fifty-Seven thousand Five hundred Ninety-Two) only

General Manager©
PLHPS,NEEPCO Ltd,Yazali,A.P.

(30)

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Government of India Enterprise)

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

Office of the General Manager (C

Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

35
25/04/23

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ Dated 17.04.2023

To,

M/s **T.D.R**
Village: Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2170m to 2300 (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr."**

Ref: This office LNIT no. PLHPS/GM/93/2022-23 dtd. 04.02.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2170m to 2300 (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr."** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2170m to 2300 (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr."** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 16,07,537.00** (Rupees Sixteen lakhs Seven thousand Five hundred Thirty-Seven) only which is inclusive of all applicable taxes.
3. **Time of completion:** - 1 (One) Month from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.

Dy. M(c), for m/a please.

~679~

26/4/23

8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.

11. **Paying authority: - The Manager (F)**, PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard. (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.

12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.

13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.

14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.

15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labors and materials to be engaged at site.

16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.

17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO**, 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

Deputy General Manager (C)
O/o the GM(C), PLHPS,
NEEPCO Ltd. Yazali (A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2023-24/29-32 **Dated 17.04.2023**

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3073 dated 21.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1038 Dtd. 15.03.2023

17.04.23.

Deputy General Manager (C)
O/o the GM(C), PLHPS,
NEEPCO Ltd. Yazali (A.P)

Work Order for "Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2170m to 2300 (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr."					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres.)	sqm	73.000	100.00	7300
2	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M15.	Cum	32.050	9901.00	317327.05
3	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M20.	Cum	115.380	11119.00	1282910.22
					1607537.27
				Say	**16,07,537.00**

(Rupees Sixteen lakhs Seven thousand Five hundred Thirty-Seven) only

17.04.23

Deputy General Manager ©

O/o the GM(C), PLHPS, NEEPCO Ltd. Yazali (A.P)

(31)

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Government of India Enterprise)

Office of the General Manager (C)

Panyor Lower Hydro Power Station, P.O. Ranganadi Project

Dist. Lower Subansiri, 791 119, A.P.

CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ Dated 17.04.2023

To,

M/s **Taba Teri**
Village: Amchi
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for " **Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2040m to 2170m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "**

Ref: This office LNIT no. PLHPS/GM/89/2022-23 dtd. 30.01.2023

Dear Sirs.

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of " **Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2040m to 2170m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2040m to 2170m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 15,92,557.00** (Rupees Fifteen lakhs Ninety-Two thousand Five hundred Fifty-Seven) only which is inclusive of all applicable taxes.
3. **Time of completion: - 1** (One) Month from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.

Work order

Dy. M(c), for n/a please.

26/04/23

8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit :-** As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.

11. **Paying authority: - The Manager (F)**, PLHPS, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard. (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.

12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.

13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.

14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.

15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labors and materials to be engaged at site.

16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.

17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO**, 43km, PLHPS and to attend this office within 6 **(six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you,

Yours faithfully

Enclos: Annexure-I
Drawing

Deputy General Manager (C)
O/o the GM(C), PLHPS,
NEEPCO Ltd. Yazali (A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2023-24/ 2023 Dated 17.04.2023

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3073 dated 21.03.2023
2. The Sr. Manager(S), R&B(M) ,PLHPS,NEEPCO Ltd. Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1038 Dtd. 15.03.2023

17.04.23

Deputy General Manager (C)
O/o the GM(C), PLHPS,
NEEPCO Ltd. Yazali (A.P)

Work Order for " Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 20-40m to 2170m (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr. "					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres.)	sqm	78.000	41.00	3198
2	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M15.	Cum	32.050	9990.00	320179.5
3	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M20.	Cum	115.380	11000.00	1269180
					1592557.50
				Say	**15,92,557.00**

(Rupees Fifteen lakhs Ninety-Two thousand Five hundred Fifty-Seven) only

17.04.23.

Deputy General Manager ©

O/o the GM(C), PLHPS, NEEPCO Ltd. Yazali (A.P)

(42)

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ Dated 17.04.2023

To,

M/s **Nabam Tad**
Village: Amchi
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2300m to 2400 (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr."**

Ref: This office LNIT no. PLHPS/GM/94/2022-23 dtd. 04.02.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2300m to 2400 (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr."** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2300m to 2400 (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr."** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 14,99,148.00** (Rupees Fourteen lakhs Ninety-Nine thousand One hundred Forty-Eight) only which is inclusive of all applicable taxes.
3. **Time of completion: - 1** (One) Month from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.

8. **Technical Specification:** As per specification mentioned in the BOQ/Bid ... ments or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability p... of **1 (one) year** from the certified date of completion of work in all respect. Any def... the work, detected during or after the completion of the work within the defect liability ...od, shall be made good by the contractor at his own risk and cost, and no extra payment ...e made by the corporation. The nature and extent of defects to be considered for the pu... e of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engi... n charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date ... completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit am... nting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the ...ified date of completion and the same shall be released after expiry of defect liability ...d or defect rectification work if any arises or payment of final bill whichever is later.

11. **Paying authority: - The Manager (F),** PLHPS, NEEPCO, Yazali (A.P). P... ent shall be made under the 'E-payment' system. You are requested to submit the followin... details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-c...dit) (iii) IFS code (11 digits)/MICR code as applicable.

12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, re...lations, and amendments by the Govt. of India and State Govt. and should be complied by the ...ontractor.

13. **Employees provident fund schemes:** The contractor himself will be ...nsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there u...der and shall specify Independent Code No.

14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The coutractor shall himself ensure proper use of the safety measures.

15. **General insurance**: - The contractor shall be fully responsible for making arran...ment against insurance of labors and materials to be engaged at site.

16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.

17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to ...rminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be **the Senior Manager(C), R&B(M), NEEPCO. Limited PLHPS,** 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B, PLHPS, NEEPCO**, 43km, PLHPS and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

Deputy General Manager (C)
O/o the GM(C), PLHPS,
NEEPCO Ltd. Yazali (A.P)

Memo No: - NEEPCO/PLHPS/GM(C)/201/2023-24/ 39-42 Dated 17.04.2023

Copy to:-

1. The Head of Project, PLHPS for favour of kind information please. This is with reference to his approval vide U.O. No. 3109 dated 23.03.2023
2. The Sr. Manager©, R&B(M) ,PLHPS,NEEPCO Ltd, Yazali, A.P. for information and necessary action please.
3. The Sr. Manager(Vigilance),PLHPS,NEEPCO Ltd, Yazali, A.P. for information please.
4. The Manager (F), PLHPS, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1063 Dtd. 22.03.2023

17.04.23.

Deputy General Manager (C)
O/o the GM(C), PLHPS,
NEEPCO Ltd, Yazali (A.P)

Work Order for "Construction of Cement concrete road connecting PLHPS Dam to 43km NEEPCO colony from Chainage 2300m to 2400 (Ch. 0.0m at PLHPS Dam Main gate), PLHPS, NEEPCO Yazali Ltd., Ar. Pr."					Annexure-I
Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres.)	sqm	60.000	69.00	4140
2	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M15.	Cum	25.150	9800.00	246470
3	Plain/Reinforced cement concrete in open foundation complete as per drawing and technical specifications A PCC Grade M20.	Cum	90.540	11059.00	1001281.86
4	PCC 1:3:6 in Foundation (Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.)	Cum	3.789	7997.00	30300.633
5	Laying Reinforced Cement Concrete Pipe NP 2 /prestrssed concrete pipe on first class bedding in double row . (Laying Reinforced cement concrete pipe NP2 /prestrssed concrete pipe for culverts on first class bedding of granular material in double row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets .) A 1000 mm dia	metre	5.000	4550.00	22750

Sl. No	Item	Unit	Qntity	Rates	
				Rates	Amount
6	Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification (b) Random Rubble Masonry	Cum	26.244	7400.00	194205.6
					1499148.09
				Say	**14,99,148.00**

(Rupees Fourteen lakhs Ninety-Nine thousand One hundred Forty-Eight) only

17.04.23.

Deputy General Manager ©

O/o the GM(C), PLHPS, NEEPCO Ltd. Yazali (A.P)

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
भारत सरकार का उद्यम (A govt. of India Enterprise)
रंगानदी जल शक्ति स्टेशन
RANGANADI HYDRO POWER STATION (RHPS)
Yazali, A.P-791119
Road and Building (M), RHEP
दूरभाष/ फोन - 03809-222229

No :- NEEPCO/RHPS/R&B(M)/Sr. M(C) T-108/2022-23/..... Dated .....

COMPLETION CERTIFICATE

Name of work	:	Construction of Cement concrete road connecting RHPS Dam to 43km NEEPCO colony from Ch. 1440.00m to Ch. 1530.00m (Ch. 0.00m at RHPS Dam main gate), NEEPCO Ltd., Ar. Pr. (Group-XV)
Name of Contractor	:	M/s T. J. Enterprise, Vill-Potin, Dist. Lower Subansiri, Arunachal Pradesh
Work order no.	:	NEEPCO/RHEP/GM(C)/201/2021-22/3480 DT.08.03.2022
Agreement no.		NEEPCO/RHEP/GM(C)/246/86 DT. 10.03.2022
MB no. / Pg. no.	:	8540 / P-165
Date of commencement of work	:	08.03.2022
Date of completion as per W.O.	:	05.06.2022
Actual Date of Completion	:	31.03.2022
Value of work	:	₹ 14,56,634.00/-

Certified that the work has been physically completed on 31.03.2022 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed. All scaffolding, surplus material, rubbish have been cleaned from the work upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

13/04/22

Sr. Manager (C), R&B(M)
R & B (M) Division
RHEP, NEEPCO Ltd. Yazali (A. P.)

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

भारत सरकार का उद्यम (A govt. of India Enterprise)

रंगानदी जल शक्ति स्टेशन

RANGANADI HYDRO POWER STATION (RHPS)

Yazali, A.P-791119

Road and Building (M), RHEP

दूरभाष/ फोन - 03809-222229

No :- NEEPCO/RHPS/R&B(M)/Sr. M(C) T-108/2022-23/..... Dated .....

COMPLETION CERTIFICATE

Name of work	:	Construction of Cement concrete road connecting RHPS Dam to 43km NEEPCO colony from Ch. 1320.00m to Ch. 1440.00m (Ch. 0.00m at RHPS Dam main gate), NEEPCO Ltd., Ar. Pr. (Group-XIV)
Name of Contractor	:	M/s T. J. Enterprise, Vill-Potin, Dist. Lower Subansiri, Arunachal Pradesh
Work order no.	:	NEEPCO/RHEP/GM(C)/201/2021-22/3561 DT.09.03.2022
Agreement no.		NEEPCO/RHEP/GM(C)/246/97 DT. 11.03.2022
MB no. / Pg. no.	:	1002 / P-187
Date of commencement of work	:	09.03.2022
Date of completion as per W.O.	:	06.06.2022
Actual Date of Completion	:	31.03.2022
Value of work	:	₹ 17,02,502.00/-

Certified that the work has been physically completed on 31.03.2022 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed. All scaffolding, surplus material, rubbish have been cleaned from the work upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

13/04/22

Sr. Manager (C), R&B(M)
R & B (M) Division
RHEP, NEEPCO Ltd. Yazali (A.P.)

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

भारत सरकार का उद्यम (A govt. of India Enterprise)

रंगानदी जल शक्ति स्टेशन

RANGANADI HYDRO POWER STATION (RHPS)

Yazali, A.P-791119

Road and Building (M), RHEP

दूरभाष/ फोन - 03809-222229

No :- NEEPCO/RHPS/R&B(M)/Sr. M(C) T-108/2022-23/..... Dated .....

COMPLETION CERTIFICATE

Name of work	:	Construction of Cement concrete road connecting RHPS Dam to 43km NEEPCO colony from Ch. 1590.00m to Ch. 1650.00m (Ch. 0.00m at RHPS Dam main gate), NEEPCO Ltd., Ar. Pr. (Group-XVII)
Name of Contractor	:	M/s T. Brothers Enterprises, Vill-Potin Dist. Lower Subansiri, Arunachal Pradesh
Work order no.	:	NEEPCO/RHEP/GM(C)/201/2021-22/3540 DT. 09.03.2022
Agreement no.		NEEPCO/RHEP/GM(C)/246/93 DT. 11.03.2022
MB no. / Pg. no.	:	7411 / P-185
Date of commencement of work	:	09.03.2022
Date of completion as per W.O.	:	06.06.2022
Actual Date of Completion	:	31.03.2022
Value of work	:	₹ 9,93,741.00/-

Certified that the work has been physically completed on 31.03.2022 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed. All scaffolding, surplus material, rubbish have been cleaned from the work upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

13/04/22

Sr. Manager (C), R&B(M)

Sr. Manager (Civil)
R & B (M) Division
RHEP, NEEPCO Ltd. Yazali (A. P.)

नॉर्थ ईस्ट्रर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1996GOI001658

No. NEEPCO/RHEP/GM(C)/201/2021-22/ Dated /2022

To,

M/s Taba Talar
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of RCC Box culvert along with approach road and protective works on Amchi Nallah on Pitapool Dam site road,,RHEP,Yazali,A.P.**

Ref: This office LNIT no. RHEP/GM/41/2021-22 dtd. 29.11.2021

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of RCC Box culvert along with approach road and protective works on Amchi Nallah on Pitapool Dam site road,,RHEP,Yazali,A.P.**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of RCC Box culvert along with approach road and protective works on Amchi Nallah on Pitapool Dam site road,,RHEP,Yazali,A.P.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 28,33,617.00** (Rupees twenty eight lacs thirty three thousand six hundred seventeen) only which is inclusive of all applicable taxes.
3. **Time of completion:** - 4 (four) months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 3% (three percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F),** RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable. The R/A bill shall be made on sufficient progress of work and satisfied by the Engineer-In-Charge.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Senior Manager(C), R&B (M), NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Senior Manager (C), R&B (M), RHEP, NEEPCO,** 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2021-22/ 1365-68 **Dated** 18/1/ **.2022.**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 11.01.2022
2. The Sr.Manager©, R&B(M),RHEP,NEEPCO Ltd,Yazali, A.P. for information and necessary action please.
3. The Sr.Manager(Vigilance),RHEP,NEEPCO Ltd,Yazali, for information please.
4. The .Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please.

General Manager (C)
RHEP,NEEPCO. Ltd azali(A.P)

Construction of RCC Box culvert along with protection work at Amchi Nallah on Pitapool Dam road, NEEPCO Colony,RHEP,Yazali,A.P.					Annexure-I
Sl.No	Item	Unit	Qntity	Rate	Amount.
1	Construction of subgrade and earten shoulders (Construction of subgrade and earthen shoulders withapproved material obtained from borrow pits with all lifts & leads, transporting to site ,spreading,garding to required slope and compacted to meet requirement of table No.300-2)	Cum	636.160	328.23	208806.80
2	Water bound macadam (providing ,laying spreading and compacting stone aggregates of specifiec sizes to water bound macadam specification including spreading in uninform thickness,hand packing,rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber,applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate ,watering and compacting to the required density) A) by Manual means (iii) Grading-III (using screeding crushable type such as moorum or gravel) a) Using screening crushable type such as moorum or Gravel.	Cum	80.640	3571.52	288007.37
3	Cement concrete pavement (Construction of un-reinforced, dowel jointedd,plain cement concrete pavement over a prepared sub base with 43 grade cement @400Kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver,spread,compacted and finished in a continous operation including provision of contraction,expansion,construction and longitudinal joints, joint filler,separation membrane,sealant primer,joint sealant,debonding strip,dowel bar,rie rod, admixtures as approved ,curing compound,finishing to lines and grades as per	Cum	50.263	12414.66	623998.06

4	Painting two coats on new concrete surfaces (painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces)	Sqm.	5.560	121.61	676.15
5	Excavation for structures (Earth work in excvavation of foundation of structures as per drawing and technical specification,including setting out,construction of shring and bracing,removal of sttumps and other deleterious matter, dressing of sides and bottom and backfilling with approved materiasl. I. Ordinary soil A. Manual means (i) Depth upto 3m	Cum	18.000	199.54	3591.72
6	PCC 1:3:6 IN Foundation (plain cement concrete 1:3:6 nominal size in foundation with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days)	Cum	4.200	8839.98	37127.92
7	Stone masonry wrokk in cement mortar 1:3 (1 foundation complete as per drawing and technical specification .B.Random rubble masonry	Cum	11.876	7526.88	89389.23
8	Plain cement concrete in open foundation complete as per drawingn and technical specifications C.RCC grade M20.CaseI. Using concrete mixer	Cum	12.450	11918.75	148388.44
9	Supplying,fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specification.	Ton	1.165	117756.95	137186.85
10	Plain/reinforced cement concrete in sub-structure complete as per drawing and technical specification E.RCC grade M20.p) Height upto 5m Case I. Using concrete mixer	Cum	10.905	12536.25	136707.81
11	Supplying ,fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and technical specifications.	ton	1.625	117991.90	191736.84
12	Providing weep holes in brick masonry/plain/reinforced concrete abutment,wing wall/return wall with 100 mm dia AC pipe ,extendign through the full width of the structure with slope of IV :20H towards drawing face,complete as per drawing and technical specifications.	Mtr	7.000	207.80	1454.60

13	Back filling behind abutment,wing wall andreturn wall complete as per drawing and technical specification. A. Granular material	Cum	8.100	2343.82	18984.94
14	Furnishing and placingreinforced/prestressed cement concrete in superr-structure as per drawing and technical specification. A.RCC grade M20 Case I. Using concrete mixer i0 for solid slab super-structure ,20-30% of (a+b+c) p) Height upto 5m	Cum	8.056	13451.29	108363.59
15	Supplying ,fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and technical specifications.	ton	0.921	119966.02	110488.70
16	providing and laying cement concrete wearing coat M-30 grade including reinforcement complete as per drawing and technical specifications	Cum	0.911	21874.52	19927.69
17	Providing and laying boulders apron on riveer bed for protection against scour with stone boulders weighing not less than 40Kg each complete as per drawing and technical specification. A) Boulder laid dry without wire crate.	Cum	3.200	2590.59	8289.89
18	Gabian struture for erosion control,river training works and protection works (Providing and construction gabain structures for erosion control,river training works and protection works with wire crates of size 3mx1mx1m each divided into 1m compartments by cross netting,made from 4mm galvanised steel wire @32Kg per 10 sq.m having minimum tensile strengh of 300Mpa conforming to IS:280 and galvanising coating conforming to IS 4826 ,woveninto mesh with bouble twist,mesh size not exceeding 100mmx100mm ,filled with boulders with least dimension of 200mm,all loose ends to be securely tied with 4mm galvaniseed steel wire)	Cum	156.000	4490.32	700489.92

2833616.50

Say **28,33,617.00**

(Rupees twenty eight lacs thirty three thousand six hundred seventeen) only

General Manager©

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
भारत सरकार का उद्यम (A govt. of India Enterprise)
रंगानदी जल शक्ति स्टेशन
RANGANADI HYDRO POWER STATION (RHPS)
Yazali, A P-791119
Road and Building (M), RHEP
दूरभाष/ फोन - 03809-222229

No. - NEEPCO/RHPS/R&B(M)/Sr. M(C) T-108/2022-23/ Dated

COMPLETION CERTIFICATE

Name of work	:	Construction of RCC Box culvert along with protective works at Amchi Nallah on Pitapool Dam road, RHEP, NEEPCO Ltd., Ar. Pr.
Name of Contractor	:	M/s Taba Talar, Vill-Rub, Dist. Lower Subansiri, Arunachal Pradesh
Work order no.	:	NEEPCO/RHEP/GM(C)/201/2021-22/1364 DT. 18.01.2022
Agreement no.		NEEPCO/RHEP/GM(C)/246/40 DT. 22.01.2022
MB no. / Pg. no.	:	8872 / P-186, 9431 / P-193, 9444 / P-190
Date of commencement of work	:	18.01.2022
Date of completion as per W.O.	:	18.05.2022
Actual Date of Completion	:	16.03.2022
Value of work	:	₹ 28,33,617.00/-

Certified that the work has been physically completed on 16.03.2022 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed. All scaffolding, surplus material, rubbish have been cleaned from the work upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

5/4/22

Sr. Manager (C), R&B(M)
RHEP, NEEPCO Ltd., Yazali (A. P.)

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
हौज सिविल मेंटेनेंस विंग, हैज, रेहप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 985 Dtd: 09/09/2021

To,

M/S T.R Enterprises
Rub, Yazali, Lower Subansiri
Arunachal Pradesh.

Sub: Work order for "Construction of Plan-IV (10) at dikrong power house hoz, RHEP, A.P."

Ref: NIT no: 04/2021-22/HCMW Dtd 01/04/2021

Dear Sir,

With reference to the above NIT, the undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A.**
2) **Scope of work:** Construction of Plan-IV building.
3) **Value of Work: Rs 27, 91,613.00**(Rupees Twenty Seven Lakhs Ninety One Thousand Six Hundred and Thirteen Only).
4) **Time of completion: 180** (One Hundred Eighty) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0.**
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 2 (Two) R.A bill shall be paid i.e First R.A bill on 50% completion of work and Final R.A bill on 100% successful completion and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.
13) **Paying Authority:** The Dy. General Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

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14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, act amendments as notified by the Govt. of India and State Govt. Shall be the responsibility contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allo code no. by the Employee's Provident Fund Organization, Regional Office, North East Re Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasi payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as pe relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 386-90 Dtd 09/08/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 460 Dtd 22/07/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The DGM (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Name of work: Construction of Plan-IV (10) at dikrong power house hor, RHEP, A.P.

UNIT NO. No: 04 of 2021-22/ HCMW Dtd: 01/04/2021

Sl. No.	Item	Unit	Qntty	Rate	Amount
1	**Site Development**				
(i)	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50 m and lift upto 1.50 m. b) Hard soil	SqM	450.00	16.30	7335.00
2	**Earth Work:**				
(i)	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	CuM	15.000	309.70	4645.50
(ii)	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	CuM	43.225	1374.50	59412.76
3	**P. C. C**				
(i)	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	2.580	8275.25	21350.15
4	**Shuttering and Form Work:**				
	Centring and shuttering including strutting, propping etc and removal of form work for :				
(I)	Foundation, footings, bases of columns etc. and mass concrete	SqM	19.50	385.70	7521.15
(II)	Lintels, beams, girders, bressumers and cantilevers etc.	SqM	205.85	509.45	104870.28
(III)	Columns, pillars, posts and struts etc.	SqM	54.00	648.15	35000.10
5	**Steel Work**				
	Reinforcement of RCC work including bending, binding and placing in position complete.				
(i)	Tor/ TMT steel	Kg	1982.943	98.20	194725.00
(ii)	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer welded and bolted including special shaped washers etc complete (welding to be paid separately).	Kg	1696.906	124.70	211604.18
(iii)	Welding by Electric plant	Cmlength	3700.00	6.75	24975.00
(iv)	Providing and fixing MS grills of required pattern in frames of windows etc with MS flat, square or round bars with round headed bolts and nuts or by screws.a) Plain grill.	Kg	338.958	150.00	50843.70
6	**R. C. C**				
(I)	Reinforced concrete work in foundations, footings, bases of columns etc. and mass concrete excluding cost of centring, shuttering and reinforcement in a) M20 (1 cement :1.5 coarse sand :3 stone aggregate 20 mm nominal size).	CuM	2.869	9392.30	26946.51

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No.	Item	Unit	Qnty	Rate	Amount
(II)	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but exluding cost of centring, shuttering and reinforcement.a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	CuM	3.375	10725.70	36199.24
(III)	Reinforced cement concrete work in lintels, beams and bressumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.a) M20	CuM	14.544	10617.85	154426.01
7	D. P. C				
(I)	Providing and laying damp proof course 38 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 12.5 mm nominal size).	SqM	25.48	358.05	9123.11
8	Brick Work:				
(I)	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	9.263	9736.05	90185.03
(II)	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	SqM	327.77	1230.00	403157.10
9	Plastering:				
(I)	15 mm cement plaster 1 : 4 (1 cement : 4 fine sand) on the rough side of single or half brick wall.	SqM	327.77	229.80	75321.55
(II)	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	SqM	327.77	194.25	63669.32
10	Wood work				
(i)	Providing approved best available local wood (Class - B II) work in frames of doors, windows clerestory windows and other frames, wrought framed andfixed in position.	Tencudm	287.40	543.90	156316.86
(ii)	Providing and fixing panelled, glazed or panelled and glazed shutters fordoors, windows and clerestory windows including aluminium butt hinges withnecessary screws.	SqM	26.64	3511.75	93553.02
(iii)	Supplying and fixing factory made panelled shutters made out of best available hard wood for doors including panelling with panels 12 mm thick commercial veneered teak wood particle boards (Phenyle Bonded) 3 layers flat pressed including applying one coat of approved wood primer.c) 30 mm thick including anodized aluminum butt hinges with necessary screws.	SqM	26.88	3529.60	94875.65
(iv)	Providing best available local wood (Class - B II) work in frames of false ceiling, partitions and trusses etc, sawn and put up in position.	Tencudm	98.63	511.55	50454.18
(v)	Providing and fixing 4.0 mm thick asbestors plain sheet ceiling of approved quality with necessary nails etc.complete (frame work for base to be paid separately).	SqM	112.50	634.55	71386.88
(vi)	Providing and fixing 2.50 cm thick approved local wood eaves boards 23 cm wide with necessary mouldings etc.	Mtr	104.30	406.45	42392.74

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No.	Item	Unit	Qnty	Rate	Amount
(vii)	Providing and fixing aluminium tower bolts (barrel type) with necessary screws etc complete.b) 200 x 10 mm	Each	88.00	123.41	10860.08
(viii)	Providing and fixing aluminium sliding door bolts anodised transparent or dyed to required color or shade with nuts and screws etc complete.a) 300 x 16 mm	Each	16.00	307.04	4912.64
(ix)	Providing and fixing aluminium Handles anodised transparent or dyed to required color or shade with necessary screws etc complete.a) 125 mm	Each	60.00	95.23	5713.80
11	**Roofing**				
(i)	Providing and fixing Durashine zinc-Aluminium alloy coated (TATA Bluescope building product) sheet roofing fixed with necessary fasteners and lapping method as described by the manufacturer inclusive of cutting hoisting and fixing complete, excluding the cost of purlins, rafters and trusses.	Sqm	222.66	1052.07	234253.91
12	**Flooring**				
(i)	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement.c) 75 mm thick	SqM	112.50	787.17	88556.63
13	**Painting:**				
(i)	Distempering (two or more coats) with all bound washable distemper of approved brand and manufacture and of required shade on new work over and including a priming coat with distemper primer of approved brand and manufacture to give an even shade.(interior walls)	SqM	541.53	97.76	52939.97
(ii)	Applying one coat of cement primer of approved brand and manufacture on wall surface.	SqM	139.38	41.40	5770.33
(iii)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.	SqM	139.38	186.27	25962.31
(iv)	Applying priming coat with ready mixed pink primer of approved brand and manufacture on wood work complete.	SqM	148.76	39.30	5846.27
(v)	Painting two or more coats with enamel paint of approved brand and manufacture in any shade on new work to give an even shade.	SqM	148.76	85.33	12693.69
14	**Plinth Protection:**				
(i)	Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement :3 coarse sand : 6 stone aggregate using 20 mm nominal size) over 75 mm bed of stone ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	SqM	34.80	611.22	21270.46
(ii)	Construction of cement concrete drain 15 cm wide and 15 cm deep in cement concrete 1 : 3 : 6 (1 cement : 3 sand : 6 hard graded stone chips or shingle 40 mm and down gauge) 8 cm thick on sides and bottom and plastering andall exposed surfaces with 12 mm thick cement mortar 1 : 3 (1 cement : 3coarse sand) including shuttering complete	Mtr	62.25	504.21	31387.07
15	**Water supply and sanitary**				
(i)	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board, 510x1040 mm bowl depth 225 mm	Each	4.00	6442.14	25768.56

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No.	Item	Unit	Qutty	Rate	Amount
(iii)	Providing and fixing white vitreous china water closet squatting pan size 580 mm size.b) Orbon type WC pan	Each	4.00	2241.87	8967.48
(iii)	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	12.00	681.24	8174.88
(iv)	Providing and fixing CI pipes complete with CI fittings and clamps including cutting and making good the walls (Internal				
	a) 15 mm nominal bore	Mtr	40.00	275.33	11013.20
(v)	Providing and fixing sand cast iron/ cast iron (spun) soil, waste and vent pipes.				
	i)75mm	Mtr	32.00	961.38	30764.16
	(ii) 100mm	Mtr	16.00	1163.65	18618.40
	SEPTIC TANK				
1	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	CuM	18.000	309.68	5574.24
2	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	1.2430	8275.25	10286.14
3	Reinforced cement concrete in suspended floors, roofs, landings and balconies upto floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring and shuttering and reinforcement with M20	CuM	1.415	10747.08	15207.12
4	Centring and shuttering of Suspended floors, roofs, landings shelves and their supports, balconies and chajjas (3.5 m height).	SqM	16.750	805.44	13491.12
5	Reinforcement of RCC work including bending, binding and placing in position complete. Tor/ TMT steel	Kg	109.579	98.17	10757.37
6	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	2.898	9736.02	28214.99
7	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	SqM	33.73	194.24	6551.72
8	Neat cement Punning	SqM	33.73	57.76	1948.24
9	Construction of soak pit 1.2 x 1.1 x 1.2 m filled with brick bats including SW drain pipe 100 mm dia and 1.20 m long complete as per standard design.	Each	1.00	5818.00	5818.00
				Total =	2791612.77
				Say = Rs	27,91,613.00

(Rupees Twenty Seven Lakhs Ninety One Thousand Six Hundred and Thirteen) only

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
सीज सिविल मेन्टिनेन्स विंग
Hoj, Arunachal Pradesh

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yuyee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S T R Enterprise has completed the work," Construction of Plan-IV(10) at dikrong Power House hoz. RHEP, A.P" as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2021-22/385 dtd 09/08/2021 *, in all respect on 30/11/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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P.O: 36[illegible]

FY 2021-2022 Annexure-22

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
यazali, अरुणाचल प्रदेश /YAZALI, A.P-791119
हॉज सिविल मेंटेनेंस विंग, हॉज, रेप / HOZ Civil Maint. Wing, HOZ, RHEP

File no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 973 Dtd: 07/06/2021

To,

M/S Taha Tana Tara Construction Agency
Hoj-Yaaye, Papum Pare
Arunachal Pradesh.

Sub: Work order for "Construction of Plan-IV (8) at dikrong power house hoz, RHEP, A.P."

Ref: NIT no: 02/2021-22/HCMW Dtd 01/04/2021

Dear Sir,

With reference to the above NIT, the undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

SPECIFICATION, TERMS AND CONDITIONS:

1) **Schedule of price:** The schedule of price against the items of the work order is enclosed as **Annexure-A**.
2) **Scope of work:** Construction of Plan-IV building.
3) **Value of Work: Rs 27, 91,130.00**(Rupees Twenty Seven Lakhs Ninety One Thousand One Hundred and Thirty Only).
4) **Time of completion: 180** (One Hundred Eighty) days from issue this work order.
5) **Quantity and Rate:** As enclosed in BOQ. The rates are inclusive of all taxes.
6) **Taxes:** The rates are inclusive of all taxes.
7) **Goods & Service Tax (GST):** The work order amount is inclusive of applicable GST. Please provide your GST registration number in your bill, our GST no is **12AAACN9991J4Z0**.
8) **Compensation for delay:** If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.5%(zero point five percent) of the total contract value per week of delay subjected to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.
9) **Technical specification:** The detailed technical specification of the works enclosed as Annexure-I.
10) **Quantity Variation:** The rate shall remain valid irrespective of any quantity variation either upward or downward i.e plus or minus. However, this work is already completed; the quantity shown in BOQ is as per measurement at site and shall remain same.
11) **Mode of payment:** 2 (Two) R.A bill shall be paid i.e First R.A bill on 50% completion of work and Final R.A bill on 100% successful completion and full satisfaction of the Engineer-in-charge.
12) **Security Deposit:** 3% (Three percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.
13) **Paying Authority:** The Dy. General Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

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14) **Labours and Regulation:** Compliance of statutory labour rules, regulation, act amendments as notified by the Govt. of India and State Govt. Shall be the responsibility of the contractor.

15) **Employees Provident Fund Scheme:** Copy of the up to date EPF challan against your allotted code no. by the Employee's Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.

16) **General Safety:** All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.

17) **General Insurance:** The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.

18) **Store Materials:** The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.

19) **Foreclosure of contract:** The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non- completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.

You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Enclosed: 1) Annexure-A (BOQ)

Yours sincerely

Dy. General Manger(c)
Hoz Civil Maintenance Wing
RHEP, NEEPCO Ltd, Arunachal Pradesh

Memo no: DGM(C)/HCMW/RHEP/T-6/2021-22/ 874-78 Dtd 07/08/2021

Copy to:

1) The H.O.P, RHEP, Yazali, A.P for favour of kind information with reference U.O no 458 Dtd 22/07/2021.
2) The General Manager(C), RHEP for favour of information please.
3) The DGM (F), F&A Wing, RHEP, Yazali, A.P for information and necessary action please. Photocopy of the note sheet containing approval of H.O.P, RHEP is enclosed herewith.
4) The Sr. Manager (C), Vigilance, RHEP, Yazali, A.P
5) Shri G. Mhaliyang, A.E (C), HCMW for information and necessary action please.

Dy. General Manger(c)
HCMW, RHEP, NEEPCO Ltd, A.P

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Name of work: Construction of Plan-IV (9) at dikrong power house hoz, RHEP, A.P.

AGREEMENT NO. No: 03 of 2021-22/ HCMW Dtd: 01/04/2021

Sl. No.	Item	Unit	Qntty	Rate	Amount
1	**Site Development**				
(i)	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50 m and lift upto 1.50 m. b) Hard soil	SqM	450.00	16.30	7335.00
2	**Earth Work:**				
(i)	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	CuM	15.000	309.68	4645.20
(ii)	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	CuM	43.225	1374.25	59401.96
3	**P. C. C**				
(i)	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	2.580	8275.26	21350.17
4	**Shuttering and Form Work:**				
	Centring and shuttering including strutting, propping etc and removal of form work for :				
(I)	Foundation, footings, bases of columns etc. and mass concrete.	SqM	19.50	385.71	7521.35
(II)	Lintels, beams, girders, bressumers and cantilevers etc.	SqM	205.85	509.43	104866.17
(III)	Column, pillars, posts and struts etc.	SqM	54.00	648.15	35000.10
5	**Steel Work**				
	Reinforcement of RCC work including bending, binding and placing in position complete.				
(i)	Tar/ TMT steel	Kg	1982.943	98.18	194685.34
(ii)	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer welded and bolted including special shaped washers etc complete (welding to be paid separately).	Kg	1696.906	124.71	211621.15
(iii)	Welding by Electric plant	Cmlength	3700.00	6.72	24864.00
(iv)	Providing and fixing MS grills of required pattern in frames of windows etc with MS flat, square or round bars with round headed bolts and nuts or by screws.a) Plain grill.	Kg	338.958	149.48	50667.44
6	**R. C. C**				
(I)	Reinforced concrete work in foundations, footings, bases of columns etc. and mass concrete excluding cost of centring, shuttering and reinforcement in a) M20 (1 cement :1.5 coarse sand :3 stone aggregate 20 mm nominal size).	CuM	2.869	9392.31	26946.54

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Sl. No.	Item	Unit	Qutty	Rate	Amount
(II)	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but exluding cost of centring, shuttering and reinforcement.a) M20 (1 cement : 1.5 course sand : 3 stone aggregate 20 mm nominal size).	CuM	3.375	10725.73	36199.34
(III)	Reinforced cement concrete work in lintels, beams and bresumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.a) M20	CuM	14.544	10617.84	154425.86
7	D. P. C				
(I)	Providing and laying damp proof course 38 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 course sand : 4 stone aggregate 12.5 mm nominal size).	SqM	25.48	358.06	9123.37
8	Brick Work:				
(I)	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	9.263	9736.01	90184.66
(II)	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	SqM	327.77	1229.53	403003.05
9	Plastering:				
(I)	15 mm cement plaster 1 : 4 (1 cement : 4 fine sand) on the rough side of single or half brick wall.	SqM	327.77	229.79	75318.27
(II)	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	SqM	327.77	194.24	63666.04
10	Wood work				
(i)	Providing approved best available local wood (Class - B II) work in frames of doors, windows clerestory windows and other frames, wrought framed andfixed in position.	Tencudm	287.40	543.91	156319.73
(ii)	Providing and fixing panelled, glazed or panelled and glazed shutters fordoors, windows and clerestory windows including aluminium butt hinges withnecessary screws.	SqM	26.64	3511.76	93553.29
(iii)	Supplying and fixing factory made panelled shutters made out of best available hard wood for doors including panelling with panels 12 mm thick commercial veneered teak wood particle boards (Phenyle Bonded) 3 layers flat pressed including applying one coat of approved wood primer.c) 30 mm thick including anodized aluminum butt hinges with necessary screws.	SqM	26.88	3529.59	94875.38
(iv)	Providing best available local wood (Class - B II) work in frames of false ceiling, partitions and trusses etc, sawn and put up in position.	Tencudm	98.63	511.55	50454.18
(v)	Providing and fixing 4.0 mm thick asbestors plain sheet ceiling of approved quality with necessary nails etc.complete (frame work for base to be paid separately).	SqM	112.50	634.55	71386.88
(vi)	Providing and fixing 2.50 cm thick approved local wood eaves boards 23 cm wide with necessary mouldings etc.	Mtr	104.30	406.45	42392.74

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No.	Item	Unit	Qnty	Rate	Amount
(vii)	Providing and fixing aluminum tower bolts (barrel type) with necessary screws etc complete.b) 200 x 10 mm	Each	88.00	123.41	10860.08
(viii)	Providing and fixing aluminum sliding door bolts anodised transparent or dyed to required color or shade with nuts and screws etc complete.a) 300 x 16 mm	Each	16.00	307.04	4912.64
(ix)	Providing and fixing aluminum Handles anodised transparent or dyed to required color or shade with necessary screws etc complete.a) 125 mm	Each	60.00	95.23	5713.80
11	**Roofing**				
(i)	Providing and fixing Durashine zinc-Aluminium alloy coated (TATA Bluescope building product) sheet roofing fixed with necessary fasteners and lapping method as described by the manufacturer inclusive of cutting hoisting and fixing complete, excluding the cost of purlins, rafters and trusses.	Sqm	222.66	1052.07	234253.91
12	**Flooring**				
(i)	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement.c) 75 mm thick	SqM	112.50	787.17	88556.63
13	**Painting:**				
(i)	Distempering (two or more coats) with oil bound washable distemper of approved brand and manufacture and of required shade on new work over and including a priming coat with distemper primer of approved brand and manufacture to give an even shade.(interior walls)	SqM	541.53	97.76	52939.97
(ii)	Applying one coat of cement primer of approved brand and manufacture on wall surface.	SqM	139.38	41.40	5770.33
(iii)	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.	SqM	139.38	186.27	25962.31
(iv)	Applying priming coat with ready mixed pink primer of approved brand and manufacture on wood work complete.	SqM	148.76	39.30	5846.27
(v)	Painting two or more coats with enamel paint of approved brand and manufacture in any shade on new work to give an even shade.	SqM	148.76	85.33	12693.69
14	**Plinth Protection:**				
(i)	Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement :3 coarse sand : 6 stone aggregate using 20 mm nominal size) over 75 mm bed of stone ballast 40 mm nominal size well rammed and consolidated and grouted with fine saad including finishing the top smooth.	SqM	34.80	611.22	21270.46
(ii)	Construction of cement concrete drain 15 cm wide and 15 cm deep in cement concrete 1 : 3 : 6 (1 cement : 3 sand : 6 hard graded stone chips or shingle 40 mm and down gauge) 8 cm thick on sides and bottom and plastering andall exposed surfaces with 12 mm thick cement mortar 1 : 3 (1 cement : 3coarse sand) including shuttering complete	Mtr	62.25	504.21	31387.07
15	**Water supply and sanitary**				
(i)	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel coupling [illegible] 40 mm, including painting of fittings and brackets [illegible] making good the walls wherever required :Kitchen sink with [illegible] drain board, 510x1040 mm bowl depth 225 mm		4.00	6442.14	25768.56

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Sl. No.	Item	Unit	Qnty	Rate	Amount
(ii)	Providing and fixing white vitreous china water closet squatting pan size 580 mm size.b) Orissa type WC pan	Each	4.00	2241.87	8967.48
(iii)	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	12.00	681.24	8174.88
(iv)	Providing and fixing GI pipes complete with GI fittings and clamps including cutting and making good the walls (interna				
	a) 15 mm nominal bore	Mtr	40.00	275.33	11013.20
(v)	Providing and fixing sand cast iron/ cast iron (spun) soil, waste and vent pipes.				
	i)75mm	Mtr	32.00	961.38	30764.16
	(ii) 100mm	Mtr	16.00	1163.65	18618.40
	SEPTIC TANK				
1	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	CuM	18.000	309.68	5574.24
2	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in : (a) Foundation and Plinth	CuM	1.2430	8275.25	10286.14
3	Reinforced cement concrete in suspended floors, roofs, landings and balconies upto floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring and shuttering and reinforcement with M20	CuM	1.415	10747.68	15207.12
4	Centring and shuttering of Suspended floors, roofs, landings shelves and their supports, balconies and chajjas (3.5 m height).	SqM	16.750	805.44	13491.12
5	Reinforcement of RCC work including bending, binding and placing in position complete. Tar/ TMT steel	Kg	109.579	98.17	10757.37
6	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	2.898	9736.02	28214.99
7	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	SqM	33.73	194.24	6551.72
8	Neat cement Punning	SqM	33.73	57.76	1948.24
9	Construction of soak pit 1.2 x 1.1 x 1.2 m filled with brick bats including SW drain pipe 100 mm dia and 1.20 m long complete as per standard design.	Each	1.00	5818.00	5818.00
				Total =	2791129.95
				Say = Rs	27,91,130.00

(Rupees Twenty Seven Lakhs Ninety One Thousand One Hundred and Thirty) only

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
सिविल मेंटिनेंस विंग
Hoz. Arunachal Pradesh

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz. (A.P.)

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ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHEP, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taka Tana Tara Construction Agency has completed the work, " Construction of Plan-IV (8) at dikrong Power House hoz, RHEP, A.P" as per Specifications mentioned in BOQ, wide work order no: DGM(C)/HCMW/RHEP/T-6/2021-22/373 dtd 02/08/2021 , *in all respect on 30/11/2021 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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COMPLETION CERTIFICATE.

Certified that the work "Construction of the HSM Office at Dam Site on the 1st Floor of the existing Security Barrack, RHEP, 41 Km, Yazali, Arunachal Pradesh" has been completed on dated 28.03.22 by the Contractor, M/S Rini Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2021-22/1108 dtd 04.01.2022

DGM©, HSM

D.M(C), HSM.

T-52

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2020-21/ 1108 Dated

To,

M/s Rini Enterprise,
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

PR - 1460080088
PO - 3760001801.
SE - 5100005090. - 28/3/22.

Sub: Work Order for **"Construction of HSM site Office at Dam site 1st floor of the existing security barrack at 41 Km, Dan Site,RHEP, Yazali, A.P.**

Ref: This office LNIT no. RHEP/GM/35/2021-22 dtd. 08.12.2021

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of HSM site Office at Dam site 1st floor of the existing security barrack at 41 Km, Dan Site,RHEP, Yazali, A.P..** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of HSM site Office at Dam site 1st floor of the existing security barrack at 41 Km, Dan Site,RHEP, Yazali, A.P..** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 39,94,404.00** (Rupees thirty nine lacs ninety four thousand four hundred four) only which is inclusive of all applicable taxes.
3. **Mode of Payment: -** The R/A bill shall be made on sufficient progress of work and satisfaction of Engineer-In charge.
4. **Time of completion: - 5** (five) Months from the date of issue of this order.
5. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
6. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
7. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
8. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
9. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

Complete 28/3/22

10. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.
11. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to **3% (three percent)** of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
12. **Paying authority: - The Manager (F), RHEP, NEEPCO, Yazali (A.P)**. Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable. The payment will be released after satisfactory completion of work as certififed by the Engineer-In-Charge.
13. **Labour act and regulation**: - Strict adherence to all statutory labor rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
14. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
15. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
16. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
17. **Completion Certificate: -** The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
18. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non-completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Deputy General Manager(C), HSM, NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Deputy General Manager (C), HSM, RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP, NEEPCO. Ltd. Yazali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2019-20/ 1109-12 **Dated** 04/1/2022

Copy to: -

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated '1717 Dtd. **29.12.2021**
2. The Deputy General Manager (C), HSM, RHEP, Yazali for information and necessary action please.
3. The Sr.Manager(Vigilance),RHEP,NEEPCO Ltd,Yazali,a.P. for information please.
4. The . Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No.753 Dtd. **29.12.2021**

General Manager (C)
RHEP, NEEPCO. Ltd.azali(A.P)

Name of work:- Cconstruction of the HSM Office at Dam site on the 1st floor of the existing security barrack ,RHEP,41Km,Yazali,A.P.					Annexure-I	
Sl. No	Item	Unit	Qntty	Rate in ₹.	Amount in ₹.	
1 1-51	Earth work in excavation in foundation and trenches etc. in allkinds of soil (excluding soil containing 50% o more of shingle or small size boulders upto 30cm size, saturated soil and rock) lift up to 1.50m and stacking the excavated soil not more than 3m clear from the edge of the excavation and returning the stacked soil in 15 cm layers, when required, in to plinth sides of foundationetc consolidating each deposited layer by ramming and watering and then disposing of all surplus soil as directed within a lead of 50m	Cum	19.856	334.75	6646.80	1000489.
2 1-52	filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	cum	4.029	4040.41	16278.81	6000 e 25
3 58	Providing and laying in foundation and plinth cement concrete 1:5:10 (1 cement :5 coarse sand : 10 graded stone aggregate 40mm nominal size) excluding the cost of centring and shuttering	Cum	1.001	17329.02	17346.35	·698
4 59.	Providing and laying in foundation and plinth cement concrete 1:4:8 (1 cement :4 coarse sand : 8 graded stone aggregate 40mm nominal size) excluding the cost of centring and shuttering	Cum	1.496	1420.00	2124.32	579
5 60	Providing and laying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size) excluding the cost of centring and shuttering. A) Foundation and plinth	Cum	2.491	13204.00	32891.16	577
6 61.	Providing and laying proof couse 38mm thick with cement concrete 1:2:4 (1 cement : 2 coasrse sand:4 stone aggregate 12.5mm nominal size)	Sq.m	12.113	1500.00	18169.50	1000 32
7	Reinformcement concrete work in foundation , footings, bases of columns etc. and mass concrete excluding the cost of centring ,shuttering and reinforcement in. a) M20 (1 cement : 1.5coarse sand :3 stone aggregate 20mm nominal size)	Cum	3.279	13013.72	42671.99	1000
68 8	Reinformcement of RCC work including bending,binding and placing in position complete. B) Tar/TMT steel.	Kg	2552	116.00	296032.00	413
9	Centering anshuttering including bending,binding etc and removal of form work for :	sq.m	0		0.00	
69	A)Foundation footings, bases of columns etc	...	21.13	414.24	8752.89	09
			79.091	545.73	43134.49	92

71. B) Lintels :

Sl. No	Item	Unit	Qntty	Rate in ₹.	Amount in ₹.	
72	c) column,pillars,posts and struts etc.	Cum	116.56	**695.67**	81087.30	93
10 83.	Reinforcement cement concrete work in columns,pillars,post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1:3 (1 cement : 3 fine sand) of thickness not exceeding 6mm to give a smooth and even surface but excluding cost of centring shuttering and reinforcement. a) M20 (1 cement:1.5 coarse sand:3 stone aggregate 20mm nominal size)	Cum	15.689	**12000.00**	188268.00	493
11 78	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	cum	5.174	**12600.00**	65192.40	071
12 80	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	Sqm.	444.165	**1300.00**	577414.50	039
13 81.	Extra for half brick masonry in superstructure above plinth level and up to floor two level.	Sqm.	444.165	**73.90**	32823.79	494
14 84.	Providing approved best available local wood (Class-B-II) work in frames ,doors, winxlows clerestory windows and other frames , wrought framed and fixed in position.	en cnd	141	**583.46**	82267.86	512
15 85	Provding and fixing 40x3 mm flat iron hold fasts 440cm long including fixing to frame with 10mm dia bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm in 1:3:6 (1 cement : 3 sand:6 hard stone chips 40mm nominal size)	Each	64	**123.64**	7912.96	453
16 87	Providing and fixing flush door shutters, non decorative type, core of black board construction with frame of 1st class hard wood and well matched commercial ply veneering with vertical grains or cross band and face veneers on both faces of shutters. A) 40mm thick including anodised alluminium butt hinges with necessary screws.	Sqm.	20.55	**2875.64**	59094.40	124.
17 88	Providing and fixing panelled, glazed or panelled and glazed shutters for doors, windows and clerestory windows including necessary iron butt hinges with necessary screws. A) 38mm thick best available local wood ,class-B-1	Sqm.	25.54	**3320.70**	84810.68	629

Sl. No	Item	Unit	Qntty	Rate in `.	Amount in `.
18	Providing and fixing aluminum Handles anodised transparent or dyed to required coloror shade with necessary screws etc complete.	0	0		0.00
89	c) 150 x10mm	Each	22	**91.39**	2010.58
90	d) 100 x 10mm	Each	22	**73.19**	1610.18
19	Providing and fixing aluminum sliding door bolts anodised transparent or dyed to required coloror shade with necessary screws etc complete.a) 300 x 16mm	Each	10	**331.89**	3318.90
20 91	Providing and fixing aluminium Handles anodised transporant or dyed to required color or shade with necessary screws etc complete. B) 100mm	Each	33	**81.28**	2682.24
21 94.	Providing and fixing MS grills of required pattern in wooden frames of windows etc with MS flat,square or round bars with round headed bolt sand nuts or by screws .a) Plain grill	Kg	446.35	**160.89**	71813.25
22 96.	Steel work in built up tubular trusses including cutting,hoisting,fixing in position and applying a priming coat of approved steel primer welded and bolted includinng special shaped washers etc complete (welding to be paid separately	Kg	2616.352	**138.87**	363332.80
23	Welding by Electric plant	m lengt	3000	**7.26**	21780.00
24 98.	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement:4coarse sand), including grouting the joints with white cement and matching pigments etc. Complete . b) Size of Tile 600x600 mm	Sq.m	171.368	**2341.00**	401172.49
25 101.	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades,in skirting riser of steps, over 12mm thick bed of cement morr 1:3(1 cement : 3 coarse sand),including grouting the joint with white cement & matching pigments etc. complete. a) Size of Time 600x600mm	sq.m	89.67	**2100.00**	188307.00
102	25mm thick cement concrete flooring 1:2:4 (1		18.38	1354	24852

Sl. No	Item	Unit	Qntty	Rate in ₹.	Amount in ₹.	
27	Cement plaster skirting (up to 30cm height) with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement ,including rounding of junctions with floor. A) 18mm thick	sq.m	3.7	**422.57**	1563.51	048
28	providing and fixing Durashine Zinc-Aluminium alloy coated (TATA bluescope building product) sheet roofing fixed with necessary fasterners and lapping method as described by the manufcture inclusive of cutting hoisting and fixing complete,excluding the cost of purlins,refters andd trusses.	sq.m	271.61	**1100.00**	298771.00	611
29	Providing and fixing durashine Zinc-aluminium aloy coated (TATA bluescope building product) sheet ridges fixed with necessary fasteners and lapping method as decribed by the manufacture inclusive of cutting hoisting and fixing complete, excluding the cost of purlins,rafters and trusses	Metre	26.22	**889.53**	23323.48	613
30	Providing and fixing 3mm thickhard board sheet celing of approved quality with necessary nails etc. complete (frame workto be paid separately)	sq.m	182.482	**490.00**	89416.18	607
31	Providing and fixing plain,square edged wooden beading 38mmx12mm section with screws of approved quality for ceiling. A) Best local approved quality wood.	Metre	689.2	**85.20**	58719.84	539
32	15mm cement plasterr 1:4 (1 cement:4 fine sand) on the rough side of single or half brick wall	sq.m	279.5	**279.65**	78162.18	
33	12mm cement plaster 1:4 (1 cement: 4 fine sand)	sq.m	615.27	**230.00**	141512.10	511
34	20mm cement plaster 1:4 (1 cement : 4 fine sand)	sq.m	17	**290.00**	4930.00	663
35	Neat cement punning	sq.m	34.37	**298.93**	10274.22	12
36	Distempering (two or more coat) with oil bound washable distermper of approved brand and manafacture and of required shade on new work over and including a priming coat with distemper primer or approved brand and manufacture to give an even shade	sq.m	615.27	**128.00**	78754.56	143
37	Finishing wall with water proofing cement paint of approved brand and manufacture and required shade on new wrok (three or more coats) to give an even shade	sq.m	279.41	**201.35**	56259.20	338
38	Painting two coats with oil wood preservative		235.499	57.		900

Sl. No	Item	Unit	Qntty	Rate in `.	Amount in `.
39	Painting two or more coats (excluding priming coat) with superior ready mixed paint for wood work of approved brand and manufacture in all shades on new work to give an even shade.	sq.m	275.479	**130.00**	35812.27
40	Painting two or more coats (excluding priming coat) with superior ready mixed paint for steel work of appproved brand and manufacture in all shade on new work to give an even shade.	sq.m	20.58	**115.67**	2380.49
41	Providing and fixing soft wood EVE board 25mm thick and 225mm wide inluding painting two coat complete as direction	Metre	79.73	**410.00**	32689.30
42	Random rubble masonry with hard stone in foundation and plinth in cement mortar 1:6 (1 cement : 6 fine sand) including levelling up with cement concrete 1:6:12 (1 cement : 3 sand:6 coarse sand :12 stone aggregate 20mm nominal size) at plinth level.	cum	0.748	**4096.10**	3063.88
43	Construction of cement concrete drain 15cm wide and 15cm deep in cement concrete 1:3:^ (1 cement : 3 sand:6 hard graded stone chips or aggregate 40mm and down gauge) 8cm thick on sides and bottom and plastering all exposed surface with 12mm thick cement mortar 1:3 (1 cement:3 coarse sand) including testing of joints etc complete.	Metre	8.3	**2220.00**	18426.00
44	Providing laying and jointing glazed stone ware pipe grade A with stiff mixture of cement mortarin the proportion of 1:1 (1 cement :1 fine sand) including testing of joints etc complete a) 100mm dia SW pipes	Metre	100	**600.00**	60000.00
45	Providing and laying cement concrete 1:5:10 1 cement :5 lime sand:10 graded stone aggregate 40mm nominal size) all around SW pipe including bed concrete 15cm thick as per standard design A) 100mm dia SW pipes	Metre	60	**900.00**	54000.00

Sl. No	Item	Unit	Qntty	Rate in ₹.	Amount in ₹.
46	Construction brick masonry manhole with2nd class bricks in cement mortar 1:5 (1 cement:5 fine sand) RCC top slab with 1:2:4 (1 cement:2 coarse sand:4 stone single 20mm nominal size) ,foundation concrete 1:4:8 (1 cement:4 coarse sand:8 stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement:3 coarse sand) finished witha floating coat of neat cement and making channels in cement concrete 1:2:4mix (1 cement:2 coarse sand:4 stone aggregate 20mm nominal size) neatly finished complete as per standard design.	0	0		0.00
132	a) Inside size 90x80cm and 45cm deep including CI cover with frame (light duty) 455x610mm internal dimensions totaol weigh to becovered and frame to be not less than 38Kg (weight of cover and frame to be not less than 38kg,(weight of cover 23kg and weight of frame 15kg)	Each	3	**19100.00**	57300.00
133 47	Making soak pit 2.5 m dia 3m deep with 45x45 cm dry brick honey comb shgaft and SW drain pipe 100mm dia 1.80m long complete as per standard design.	Each	1	**60000.00**	60000.00
134. 48	Providing and fixing GI pipes complete with GI fitting including trenching and refilling,etc. a) 15mm nominal size.	Metre	31.5	**259.00**	8158.50
135. 49	Providing and fixing brass bib cock of approved quality.	Each	6	**372.23**	2233.38
136. 50	Providing and fixing brass stop cock of approved quality.a) 15mm nominal size	Each	3	**372.23**	1116.69
155 51	Providing znd fixing white vitreous china pedestal type (European type WC pan) water clost withseat and lid with CP brass hinges and rubber baffers,12.5 Litres white vitreous china low level flushing cistern with fittings and brackets 40mm white porcelain in enamel led flush band,20mm over flow pipe with specials and mosquito proof coupling of approved municipal design complete including ,cutting and making good the walls and floors where requiired a) WC pan with white plastic seat and lid	Each	3	**10500.00**	31500.00

Sl. No	Item	Unit	Qutty	Rate in `.	Amount in `.
52	Providing and fixing white vitreous china wash basin with RS or C1 brackets painted white 15mm CP brass pillar tap sand CP brass chain with rubber plug 32mm CP brass wastecfstanddard pattern 32mm dia CP brass trapand MI unions complete, including cutting and making good the walls where required.a) Flat back wah basin size 550x400 mm with a pair of 15mm CP brass pillar taps of heavy quality.	Each	3	**4900.00**	14700.00
53	Providing and fixing 600x450mm bevelled edge mirror or superior glass (of approved quality) complete with 6mm thick asbestos sheet ground fixed to wooden cleadt withCP brass screws and washers	Each	3	**1431.21**	4293.63
54	Provding and fixing CP brass (complete with CP brass buckes fixed to washer with CP brass screws (heavy quality) a) 750x20mm dia	Each	3	**842.76**	2528.28
55	Providing and fixing sand cast iron heel rest sanitary bend. B) 100mm dia	Each	12	**45.00**	540.00
56	Providing and fixing sand cast iron sigle equal plain junction of required degree with access door, insertion rubber washer 3mm thick,bolts and nuts complete.b) 100x100x100mm	Each	3	**690.00**	2070.00
57	Providing and fixing sand cast iron trap of self cleaning design with sand cast iron screwed down or hinged grating with or without vent arm complete including cost of cutting and making good the walls and floors.b) 100mm inlet and 75mm outlet	Each	3	**997.00**	2991.00
58	Providing and fixing toilet paper holder. A) CP brass	Each	3	**1123.00**	3369.00
59	Providing and fixing 100mm sand cast iron grating for gulley, floors or nahni trap	Each	3	**117.95**	353.85

Total in `. = 3994404.10

Say `. 3994404.00

(Rupees thirty nine lacs ninety four thousand four hundred four) only

COMPLETION CERTIFICATE.

Certified that the work "Repairing of RCC Drain near Intake Main Gate as well as near the Culvert in the Approach Road of Intake ,RHEP, Yazali, A.P" has been completed on dated 31.12.21 by the Contractor, M/S Nabam Tad as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM©/2021-22/201/1014 dtd 18.12.21

DGM (C), HSM.

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

No. NEEPCO/RHEP/GM(C)/201/2021-22/ Dated 18.11.2021

To,

M/s Nabam Tad
Vill:- Amchi
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of RCC drain near Intake main gate as well as culvert in the approach road of Intake ,RHEP,Yazali,A.P**

Ref: This office LNIT no. RHEP//GM/ 31/2021-22 dtd. 12.11.2021

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of RCC drain near Intake main gate as well as culvert in the approach road of Intake ,RHEP,Yazali,A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of RCC drain near Intake main gate as well as culvert in the approach road of Intake ,RHEP,Yazali,A.P** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 11,13,021.00** (Rupees eleven lacs thirteen thousand twenty one) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 3% (three percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F), RHEP,** NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate**: - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Deputy General Manager(C),HSM, NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the **Deputy General Manager (C), HSM, RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP.NEEPCO. Ltd.azali(A.P)

437

Memo No: - NEEPCO/RHEP/GM(C)/201/2021-22/ 1015-18 **Dated 18.12.2021** 24/12/21

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 17.12.2021.
2. The Deputy General Manager©, HSM,RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
3. The Sr.Manager(Vigilance),RHEP,NEEPCO Ltd,Yazali,A.P. for information please.;
4. The Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 718 Dtd. 16.12.2021.

General Manager (C)
RHEP,NEEPCO, Ltd.azali(A.P)

T-1

Name of the work: : Construction of RCC drain near Intake main gate as well as near the culvert in the approach road of Intake, RHEP,Yazali,A.P.					Annexure-I
1	Excavation for structures (earth work in excavation of foundation of structures as per drawiang and technical specification, including setting out construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material) I. Ordinary soil A. Manual means (i) Depth upto 3m	cum	93.700	197.70	18524.49
2	Sand filling in foundation Trenches as per drawing & technical specification.	cum	4.008	1891.80	7582.33
3	plain/reinforced cement concrete in open foundation complete as per drawing and technical specifications. A) PCC Grade M15	cum	13.360	10405.10	139012.14
4	Plain cement concrete in opend foundation complete as per drawing and technical specifictions C. RCC Grade M20 Case I. Using concrete mixer	cum	43.485	11894.65	517238.86
5	Supplying fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specification.	Tonne	3.689	116742.40	430662.71
					1113020.53
				Say	**11,13,021.00**

(Rupees elevenn lacs thirteen thousand twenty one) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

COMPLETION CERTIFICATE.

Certified that the work "Construction of Check Dam at Amchi Nallah across the Pitapool Dam Site Road,RHEP, Yazali,A.P" has been completed on dated 25.02.22 by the Contractor, M/S Taba Teri as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2021-22/1596 dtd 01.02.22

DGM (C), HSM.

D.M(C), HSM.

Name of work:- Construction of Check Dam at Amchi Nallah across Pitapool Dam site road,RHEP,Yazali,A.P.					Annexure-I
1	Excavation for structures (Earth work in excavation of foundation of structures as per drawing and technical specification , including setting out, construction of shoring and bracing, removal of stumpps and others deleterious matter, dressing of sides and bottom and backfilling with approved materials) I. Ordinary soil. A. Manual means. (i) Upto 3m depth	Cum	16.200	199.71	3235.30
2	Gabion structure for erosion control, River training works and protection works (Providing and constructing gabain structures for erosion control,river training works and protection works with wire crates of size 3mx1mx1m each divided in to 1m comp[artment by cross netting, made from 4mm galvanised streel wire @ 32Kg per 10 sqm having minimium tensile strength of 300 Mpa conforming to IS:280 and galvanizingn coating conforming to IS : 4826, woven into mesh with double twist, mesh size not exceeding 100mmx100mm, filled with boulderrs with least dimension of 200mm, all loose ends to be securely tied with 4mm galvanised streel wire)	Cum	93.000	4545.96	422774.28
					426009.58
				Say	**4,26,010.00**

(Rupees four lacs twenty six thousand ten) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

No. NEEPCO/RHEP/GM(C)/201/2021-22/ Dated 27.12.2021

PR - 3700001515
PO - 3700001515
SE - 1000005046

To,

M/s Goyee Trade Cenre
Vill:- Yazali
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of Check Dam on Pei Nallah, Pitapool,RHEP,Yazali,A.P.**

Ref: This office NIT no. RHEP//GM/ 26/2020-21 dtd. 06.11.2020

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of Check Dam on Pei Nallah, Pitapool,RHEP,Yazali,A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Check Dam on Pei Nallah, Pitapool,RHEP,Yazali,A.P.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 17,41,778.00** (Rupees seventeen lacs forty one thousand seven hundred seventy eight) only which is inclusive of all applicable taxes.
3. **Time of completion: - 45** (forty five) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect

Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 3% (three percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority:** - The Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the **Deputy General Manager(C), HSM, NEEPCO. Limited RHEP,** 43km Yazali.

You are requested to start the work in consultation with the **Deputy General Manager (C), HSM, RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
RHEP.NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2021-22/ 1047-57 Dated 27.12.2021

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 17.12..2021.
2. The Deputy General Manager(O,HSM,RHEP,NEEPCO Ltd,Yazali, A.P. for information and necessary action please.
3. The Sr.Manager(Vigilance),RHEP,NEEPCO Ltd,Yazali,A.P. for information please.
4. The Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No712 Dtd. 16.12.2021.

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Name of the work: : Construction of Check Dam on Pei Nallah, Pitapool, RHEP,Yazali,A.P.					Annexure-I
Sl.No	Items	Unit	Qntity	Rate	Amount
1	Excavation for structures (Earth in excavation of foundation of structure as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material) 1. Ordinary A. Manual means (i) Depth upto 3m	Cum	76.812	199.00	15285.59
2	Gabion structure for Erosion control, river training, works and protection works (providing and construction gabion structures for erosion control,river training works and protection works with wire crates of size 2mx1mx0.6m each, made from 4mm galvanized steel wire @ 32Kg per 10sqm having minimum tensile strength of 300 Mpa conforming to IS:280 and galvanizing coating conforming to IS:4826 woven into mesh with double twist, mesh size not exceeding 100mm x100mm, filled with boulders with least dimension of 200 mm, all loose ends to be securely tied with 4mm galvanised steel wire)	Cum	357.600	4828.00	1726492.80
					1741778.39
				Say	**17,41,778.00**

(Rupees seventeen lacs forty one thousand seven hundred seventy eight) only

General Manager©
RHEP,NEEPCO Ltd,Yazali,A.P.

(75) (75)

No. J-11016/117/83-EN.5
Government of India
Department of Environment

Bikaner House
New Delhi.
26.07.85

Secretary,
tral Electricity Authority,
a Bhavan, R.K. Puram,
Delhi-110066.

Subject : Rangnadi Hydro-Electric Project, Stage I, Arunachal Pradesh - Environmental Appraisal.

I am pleased to inform you that the above project has onsidered from the environmental angle and approved subject effective implementation of the following safeguards the execution of the project :

i. Adequate fuel arrangement should be made, at project cost, for the construction workers to prevent indiscriminate felling of trees in the neighbouring forested areas. Necessary financial provision should, therefore, be made in the estimate.

ii. Restoration of the construction area should be ensured, to the extent possible, by leveling, filling up of borrow pits and land scaping etc.

iii. Compensatory afforestation should be undertaken on a large scale in consultation with Forest Department and adequate financial provision should be made in the budget.

iv. Critically eroded areas in the catchment should be identified for undertaking soil conservation measures.

Any assistance required for the implementation of the ds shall be gladly extended by the Department.

Thanking you,

Yours faithfully

(S. Mudgal)
Director & Member Secretary
Environmental Appraisal Committee

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check Dam on Pei Nallah, Pitapool, RHEP, Yazali, A.P" has been completed on dated 31.01.2022 by the Contractor, M/S Goyee Trade Centre as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2021-22/1046 dtd 27.12.21

DGM (C), HSM.

D.M(C), HSM.

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700001738 / Dt : 16.03.2022

To,

Vendor Name	:	M/s B. Tana Enterprise Hoz
Vendor Code	:	101513
Address	:	,
	:	DAKTE HOZ,- 791111 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AJPT7881M2
GSTIN No.	:	12AJAPT7881M2ZN

Sub: Construction of PCC drain (Ch: 00.00m to Ch: 62.00m) and Cross drainage (Ch: 62.00m) at hillside of approach road to Executive Guest house plot at Dikrong Power House site, Hoj, RHPS, A.P.

Ref: NIT No. 26 of 2021-2022/HCMW Dtd: 25/01/2022

Dear Sir/Madam,

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000669	Excavation work in foundation trenches	68.370	M3	Basic Price	138.98	9,502.06
					CGST %	9.00%	855.19
					SGST %	9.00%	855.19
					Total		11,212.44
10.2	10000091	Centering Shuttering in foundation	199.100	M2	Basic Price	340.87	67,827.40
					CGST %	9.00%	6,104.47
					SGST %	9.00%	6,104.47
					Total		80,036.34
10.3	10000815	Stone masonry work	8.630	M3	Basic Price	3,970.33	34,263.56
					CGST %	9.00%	3,083.72
					SGST %	9.00%	3,083.72
					Total		40,431.47
10.4	10000076	PCC (1:2:4) upto Plinth- 20mm stone	16.740	M3	Basic Price	7,313.55	1,22,428.83
					CGST %	9.00%	11,018.60
					SGST %	9.00%	11,018.60
					Total		1,44,466.03
10.5	10000669	Reinforcement for RCC work -TOR	1505.940	KG	Basic Price	87.29	1,31,453.50
					CGST %	9.00%	11,830.82
					SGST %	9.00%	11,830.82
					Total		1,55,115.14
10.6	10000410	Reinf conc work in found, footings : M20	2.700	M3	Basic Price	8,298.30	22,405.41
					CGST %	9.00%	2,016.49
					SGST %	9.00%	2,016.49
					Total		26,438.39
10.7	10000096	RCC 1:1.5:3 with 20 mm stone in walls	3.600	M3	Basic Price	9,058.47	32,610.49
					CGST %	9.00%	2,934.95
					SGST %	9.00%	2,934.95
					Total		38,480.39
10.8	10000498	Reinf cemcon work sus fir etc:Cem mor1:3	1.980	M3	Basic Price	9,498.30	18,806.63
					CGST %	9.00%	1,692.60
					SGST %	9.00%	1,692.60
					Total		22,191.83

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	Total Basic Price	4,...
	Total CGST %	39...
	Total SGST %	39,5...
	Total PO Val.	5,18,372...

FIVE LAKH EIGHTEEN THOUSAND THREE HUNDRED SEVENTY TWO Rupees THREE Paise Only

TERMS AND CONDITIONS

1. Scope:

The work is for "Construction of PCC drain (Ch: 00.00m to Ch: 62.00m) and Cross drainage (Ch: 62.00m) at hillside of approach road to Executive Guest house plot at Dikrong Power House site, Hoj, RHPS, A.P." as mentioned in the specification of the items detailed in BOQ. The work is to be executed and completed as per direction of the Engineer -in-charge (E-I-C).

2. Value:

3. Price Basis:

4. Taxes:

The rates are inclusive of all taxes and remain firm till the completion of work.

5. Contract Performance Guarantee/Security Deposit:

10% (Ten percent) of final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.

6. Delivery Period/ Completion Time/ Contract Period:

40(Fourty) days from the date of issue of this order.

7. Consignee (Storage Location address) /Engineer In-charge:

8. Payment Terms:

90%(Ninety percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

9. Paying Authority:

The Manager (F), RHPS, NEEPCO, Yazali(A.P).

10. Guarantee/Warranty:

11. Penalty/Liquidated Damages:

If the work is not completed within the stipulated/extended time period (due to no fault of the contractor) as may be allowed, a compensation @0.50 %(zero point five percent) of the total contract value per week of delay subject to maximum of 10%(ten percent) of the contract sum will be deducted without prejudice to any other right or remedy of the Corporation on account of such default.

12. Jurisdiction of Court:

13. Other Terms & Conditions:

1. Labours and regulation: Compliance of statutory labour rules, regulations, acts and amendments as notified by the Govt. of India and State Govt. shall be the responsibilities of the contractor.
2. Employees provident fund schemes: Copy of the up to date EPF challan against your allotted Code No by the Employees# Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be

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ubmitted at the time of forwarding of your work bill for releasing of payment.
3. General safety: All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
4. General Insurance: The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
5. Store Materials: The materials required for the said work will be under contractor#s scope including all cost of collection and transportation of store materials etc. complete.
6. Foreclosure of Contract: The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard. The Engineer in charge shall be the Dy. General Manager(C), HCMW(C), RHPS /NEEPCO Ltd. Hoz.
7. All others terms and conditions of the detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO.

14. Attachment:

You are requested to start the work immediately and attend this office within 6 (six) days of the issue of this order to draw the formal agreement on Non#Judicial Stamp paper of Rs. 50.00 (Rupees Fifty) only.

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation :

Mobile No :
Email ID :

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10000069	Excavation work in foundation trenches or drain not exceeding 1.5 m in width or 10 Sqm on plan including dressing of sides and ramming of bottoms, lift upto 1.50 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Ordinary Rock	68.370	M3	RHEP
10.2	10000091	(TPWD) Centering Shuttering including struttings, propping etc. and removal of form work for : Foundations, footings, bases for columns etc. for mass concrete with timber plank .	199.100	M2	RHEP
10.3	10000615	"Stone masonry work in cement mortar 1:3 in foundation complete as per drawing and Technical Specification B. Random Rubble Masonry"	8.630	M3	RHEP
10.4	10000076	(TPWD) Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - all works upto plinth level: 1:2:4 (1 cement:2 fine sand: 4 graded stone aggregate of 20 mm norminal size).	16.740	M3	RHEP
10.5	10000680	Reinforcement for R.CC work inciuding, straightening, cutting, bending, placing in position and |binding all complete. Hot rolled deformed bars (TOR)	1505.940	KG	RHEP
10.6	10000410	"Reinforced concrete work in foundation, footings, bases of column, etc. and mass concrete, excluding cost of centering, shuttering and reinforcement a) M20 (1 - Cement : 1.5 - Coarse Sand : 3 - stone aggregate 20mm nominal size)"	2.700	M3	RHEP
10.7	10000096	(TPWD) Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and sirting courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement. .1:1.5:3 (1 cement: 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size).	3.600	M3	RHEP
10.8	10000498	Reinforced cement concrete in suspended floors, roofs, landings and balconies upto floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring and shuttering and reinforcement with M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	1.980	M3	RHEP

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COMPLETION CERTIFICATE

Certified that the work- **Construction of PCC drain (Ch: 00.00m to Ch: 62.00m) and Cross drainage (Ch: 62.00m) at hillside of approach road to Executive Guest House plot at Dikrong Power House site, Hoj, RHPS, A.P.** executed by M/s B.Tana Enterprise,Village- Dakte(Hoj), A.P. vide **Purchase Order-3700001738/ Dtd. 16/03/2022)** has been completed on 31/03/2022 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मैन्टिनेन्स विंग
Hoj, Arunachal Pradesh

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Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
				Surge-Shaft Gate, necessary for the efficient operation of the Plant.		
8	Design, Manufacture, supply, installation & commissionin g of 1-No.of Hydraulically operated Trash Rack Cleaning Machine (TRCM) with associated supporting structures at the Intake of RHEP (3x135 MW) Yazali, Lower Subansiri, A.P.	76 & 77	1023.95	The work has been taken up to carry out continuous cleaning of debris at the tunnel intake to ensure smooth entry of water in to the tunnel without any hindrances. The additional capital expenditure is necessary for the efficient operation of the generating station.		0.00
9	Providing Services for Collecting Hydrological Data from upper catchment of Ranganadi River for an period of one year	76 & 77	56.76	The work is essential to provide data for the simulation model of the Real Time Hydro-Metrological monitoring in the Catchment Area of the generating station. Necessary for effective Reservoir management and subsequently efficient operation of the generating station.		0.00
10	Supply, Installation, Commissioning & Testing of OTT Q Liner-2 for 3 x 135 MW.	76 & 77	20.42	This equipment is required to facilitate the collection of data required for hydro metrological monitoring of catchment area.		0.00
11	Construction of Executive Guest House at	25(2)(c)	100.00	The work has been taken up against the non-completed	The Petitioner has clarified that the Construction of the	100.00

Sl.No.	Item	Regulation (s)	Amount claimed	Justification by Petitioner	Remarks for Admissibility	Amount allowed
	Power House at Hoj			works already accounted for in the Revised Cost Estimate of RHEP but has not been taken up. Considering the price escalation, the present day estimated cost is tentatively arrived at Rs 200.0 lakh out of which Rs 50.00 lakh has been earmarked for 2019-20 and Rs 150.00 lakh has been earmarked for 2020-21.	Permanent Colony was provisioned in RCE, considering that the operation of the plant would be taken up from Doimukh. However due to various reasons, this could not be materialized and hence a permanent setup against this Plant has become a necessity. It has also submitted that the temporary quarters build during the construction period has outlived its life and therefore permanent residential quarters is required to accommodate the employees of the both at 43 km and Hoj. Accordingly, the Petitioner has claimed the expenditure under Regulation 25(2)(c) of the 2019 Tariff Regulations. Considering the fact that the proposed additional capital expenditure is for replacement of assets deployed under the original scope of work of project and the assets are in use, the claim of the Petitioner is **allowed** under Regulation 25(2)(a) in exercise of 'Power to Relax' under Regulation 76 of the 2019 Tariff Regulations. The decapitalization value of old asset has been	

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700002198 / Dt : 30.05.2022

To,

Vendor Name	:	M/s T.R. Enterprises, Yazali
Vendor Code	:	101519
Address	:	,
	:	YAZALI,- 791120 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	BITPR9641A
GSTIN No.	:	12BITPR9641A1Z3

Sub: Amendent order for Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1200.00 to 1400.00 m

Ref: NIT no. 44 of 2021-22/ HCMW dtd 09/02/2022
Approved vide H.O.P U.O No. 1000 dtd 28/7/2022

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1200.00 to 1400.00 m (Ch 0.00m at TAH) Grp-2." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000569	Excavation work in foundation trenches	180.000	M3	Basic Price	164.41	29,593.80
					CGST %	9.00%	2,663.45
					SGST %	9.00%	2,663.45
					Total		34,920.70
10.2	10001075	PCC Grade M15 - including shuttering	114.000	M3	Basic Price	8,346.61	9,51,513.54
					CGST %	9.00%	85,636.22
					SGST %	9.00%	85,636.22
					Total		11,22,785.98
					Total Basic Price		9,81,107.34
					Total CGST %		88,299.67
					Total SGST %		88,299.67
					Total PO Val.		11,57,706.68

ELEVEN LAKH FIFTY SEVEN THOUSAND SEVEN HUNDRED SIX Rupees SIXTY EIGHT Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1200.00 to 1400.00 m

2. Value:

3. Price Basis:

4. Taxes:

5. Contract Performance Guarantee/Security Deposit:

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3%(Three percent)of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

6. Delivery Period/ Completion Time/ Contract Period:

30(thirty Days) from issue of this P.O

7. Consignee (Storage Location address) /Engineer In-charge:

8. Payment Terms:

97%(Ninety-Seven percent)payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge, rest 3%(Three percent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

9. Paying Authority:

Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

10. Guarantee/Warranty:

12(Twelve) months from the date of completion of work

11. Penalty/Liquidated Damages:

12. Jurisdiction of Court:

13. Other Terms & Conditions:

Labours and Regulation: Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
Employees Provident Fund Scheme: Copy of the up to date EPF challan against your allotted code no. by the Employeeíls Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
General Safety: All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
General Insurance: The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
Store Materials: The materials for the said work will be under contractorís scope including cost of collection and transportation of materials etc complete.
Foreclosure of contract: The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non/completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.
You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

14. Attachment:

Scanned with ACE Scanner

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation :

Mobile No :
Email ID :

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

Copy to,

① The HOP, RHPS, Yazali for favour of kind information please.
② The G M (C), RHPS, Yazali for favour of kind information please
③ The Manager (F) F & A Wing RHPS, Yazali for information and necessary action please.
④ The Sr. Manager Vigilance (C), RHPS, Yazali for information please.

हेड पि० मैनेज पि० Hoz Civil Maintenance Wing
109-12
Received

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10000669	Excavation work in foundation trenches or drain not exceeding 1.5 m in width or 10 Sqm on plan including dressing of sides and ramming of bottoms, lift upto 1.50 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Ordinary Rock	180.000	M3	RHEP
10.2	10001075	Plain cement concrete complete as per drawing and technical specifications(Including formwork). a) PCC Grade M15.	114.000	M3	RHEP

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700001948 / Dt : 13.04.2022

To,
Vendor Name : M/s Taba Tad, hoz
Vendor Code : 101521
Address : ,
: DAKTE HOZ,- 791110 Arunachal Pradesh, India
Contact No :
Email ID : ,
PAN No. : BIRPT5983R
GSTIN No. : 12BIRPT5983R1ZZ

Sub: Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1600.00 to 1800.00 m (Ch 0.00m at TAH) Grp-4 .

Ref: NIT no. 46 of 2021-22/ HCMW dtd 09/02/2022

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1600.00 to 1800.00 m (Ch 0.00m at TAH) Grp-4 ." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000669	Excavation work in foundation trenches	180.000	M3	Basic Price	164.41	29,593.80
					CGST %	9.00%	2,663.45
					SGST %	9.00%	2,663.45
					Total		34,920.70
10.2	10001074	Scarifying granular surface-50mm	600.000	M2	Basic Price	32.20	19,320.00
					CGST %	9.00%	1,738.80
					SGST %	9.00%	1,738.80
					Total		22,797.60
10.3	10001075	PCC Grade M15 - including shuttering	114.000	M3	Basic Price	8,346.61	9,51,513.54
					CGST %	9.00%	85,636.22
					SGST %	9.00%	85,636.22
					Total		11,22,785.98
10.4	10001076	PCC Grade M20 - including shuttering	120.000	M3	Basic Price	9,257.83	11,10,915.60
					CGST %	9.00%	99,982.41
					SGST %	9.00%	99,982.41
					Total		13,10,880.42
10.5	10001077	Subgrade and Earthen Shoulder	15.000	M3	Basic Price	271.26	4,068.90
					CGST %	9.00%	366.21
					SGST %	9.00%	366.21
					Total		4,801.32
					Total Basic Price		21,15,411.84
					Total CGST %		1,90,387.09
					Total SGST %		1,90,387.09
					Total PO Val.		24,96,186.02

TWENTY FOUR LAKH NINETY SIX THOUSAND ONE HUNDRED EIGHTY SIX Rupees TWO Paise Only

TERMS AND CONDITIONS

1. Scope:

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Construction of CC Road & CC drain along surge shaft road of RHEP, A.P. at chainage1600.00 to 1800.00 m

2. Value:

3. Price Basis:

4. Taxes:

Inclusive of all taxes

5. Contract Performance Guarantee/Security Deposit:

10%(Tenpercent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

6. Delivery Period/ Completion Time/ Contract Period:

30(thirty Days) from issue of this P.O

7. Consignee (Storage Location address) /Engineer in-charge:

8. Payment Terms:

90 %(Ninety Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge. rest 10%(Tenpercent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work

9. Paying Authority:

Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

10. Guarantee/Warranty:

12(Twelve) months from the date of completion of work

11. Penalty/Liquidated Damages:

12. Jurisdiction of Court:

13. Other Terms & Conditions:

Labours and Regulation: Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
Employees Provident Fund Scheme: Copy of the up to date EPF challan against your allotted code no. by the Employeeffs Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
General Safety: All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
General Insurance: The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
Store Materials: The materials for the said work will be under contractorffs scope including cost of collection and transportation of materials etc complete.
Foreclosure of contract: The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non#completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.
You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

Scanned with ACE Scanner

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation :

Mobile No :
Email ID :

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz.(A.P.)

कार्यालय सिविल रखरखाव होज़ Hoz Civil Maintenance
प्राप्त दिनांक/Date 15.04.22
डी.ओ.नं. D.O. No.

Copy to,

① M.D.P RHPS Yazali A.P for favour of kind information please

② G.M.(C) RHPS for favour information please.

③ Manager (F) F&A Wing RHPS Yazali A.P. for information and necessary action please.

④ Sr. Mgr.(C)/Vigilance RHPS Yazali A.P.

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10000669	Excavation work in foundation trenches or drain not exceeding 1.5 m in width or 10 Sqm on plan including dressing of sides and ramming of bottoms, lift upto 1.50 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Ordinary Rock	180.000	M3	RHEP
10.2	10001074	Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres.)	600.000	M2	RHEP
10.3	10001075	Plain cement concrete complete as per drawing and technical specifications(Including formwork). a) PCC Grade M15.	114.000	M3	RHEP
10.4	10001076	Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M20.	120.000	M3	RHEP
10.5	10001077	Construction of Subgrade and Earthen Shoulders (Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2).	15.000	M3	RHEP

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S TABA TAD has completed the work," Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1600.00 to 1800.00 m (Ch 0.00m at TAH) Grp-4 ." as per Specifications mentioned in BOQ, wide P.O No: 3700001948 DTD : 13/04/2022, *in all respect on 28/04/2022 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700004708 / Dt : 06.02.2023

To,

Vendor Name	:	M/s Taba Tad, hoz
Vendor Code	:	101521
Address	:	,
	:	DAKTE HOZ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	BIRPT5983R
GSTIN No.	:	12BIRPT5983R1ZZ

Sub: Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)

Ref: NIT No. 18 of 2021-2022/HCMW Dtd: 12/12/2022

Dear Sir/Madam,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001355	Preparation and Surface Treatment	600.000	M2	Basic Price	2.54	1,524.00
					CGST %	9.00%	137.00
					SGST %	9.00%	137.00
					Total		1,798.00
10.2	10001076	PCC Grade M20 - including shuttering	120.000	M3	Basic Price	8,887.29	10,66,474.80
					CGST %	9.00%	95,983.00
					SGST %	9.00%	95,983.00
					Total		12,58,440.80
10.3	10001396	Maintenance Earthen Shoulder	480.000	M2	Basic Price	84.75	40,680.00
					CGST %	9.00%	3,661.00
					SGST %	9.00%	3,661.00
					Total		48,002.00
10.4	10001455	Excavation in ordinary rock manual means	144.000	M3	Basic Price	416.10	59,918.40
					CGST %	9.00%	5,393.00
					SGST %	9.00%	5,393.00
					Total		70,704.40
10.5	10001075	PCC Grade M15 - including shuttering	93.000	M3	Basic Price	8,440.68	7,90,576.44
					CGST %	9.00%	63,052.00
					SGST %	9.00%	63,052.00
					Total		8,26,680.44
					Total Basic Price		18,69,173.64
					Total CGST %		1,68,226.00
					Total SGST %		1,68,226.00
					Total PO Val.		22,05,625.64

TWENTY TWO LAKH FIVE THOUSAND SIX HUNDRED TWENTY FIVE Rupees SIXTY FOUR Paise Only

TERMS AND CONDITIONS

1. Scope:

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Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)

2. Value:

3. Price Basis:

4. Taxes:

Inclusive of all taxes.

5. Contract Performance Guarantee/Security Deposit:

03% (Three percent) of final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.

6. Delivery Period/ Completion Time/ Contract Period:

45(Forty Five) days from the date of issue of this P.O.

7. Consignee (Storage Location address) /Engineer In-charge:

Dy. General Manager(C), HCMW, Hoz/PLHPS /NEEPCO Ltd.

8. Payment Terms:

97% (Ninety Seven percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

9. Paying Authority:

The Manager (F), PLHPS, NEEPCO, Yazali(A.P).

10. Guarantee/Warranty:

12(Twlve) months from the date of completion of work.

11. Penalty/Liquidated Damages:

In case of delay in work of items within the stipulated period indicated above, compensation for delay at the rate of 0.5%(zero-point five percent) of the contract price shall be deducted for per week or part thereof of delay subject to a maximum of 10%(Ten percent) of the contract price.

12. Jurisdiction of Court:

13. Other Terms & Conditions:

1.Labours and regulation: Compliance of statutory labour rules, regulations, acts and amendments as notified by the Govt. of India and State Govt. shall be the responsibilities of the contractor.
2.Employees provident fund schemes: Copy of the up to date EPF challan against your allotted Code No by the Employees# Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of forwarding of your work bill for releasing of payment.
3.General Safety: All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
4.General Insurance: The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
5.Store Materials: The materials required for the said work will be under contractor#s scope including all cost of collection and transportation of store materials etc. complete.
6.Foreclosure of Contract: The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard. The Engineer in charge shall be the Dy. General Manager(C), HCMW, Hoz/PLHPS /NEEPCO Ltd.

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You are requested to start the work immediately and attend this office within 6 (six) days of the issue of this order to draw the formal agreement on Non#Judicial Stamp paper of Rs. 60.00 (Rupees Fifty) only.

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation :

Mobile No :
Email ID :

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

Copy to,

① The HOP, PLHPS for favour of kind information please.
② The DGM(C) PLHPS for favour of kind information please.
③ The Manager (F) F & A Wing for information and necessary action please. (Photocopy of C.S approved copy is enclosed herewith for ready reference).
④ The DGM(V) Vigilance PLHPS for information please.
⑤ Sh G. Mahaliyang A, E(C) HCMW, for information and necessary action please.

हेज सिविल मेंटिनेन्स विंग
Civil Maintenance Wing
आ.सं./W.O. No. 22/...
दिनांक/Date 25/2/22

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10001395	SERVICE LONG TEXT: Preparatioand Surface Treatment of formation. (Preparation and surface treatment of formation by removing mud and slurry, watering to the extent needed to maintain the desiredmoisture content, trimming to the required line, grade, profile and rolling with 8-10 tonne smooth wheeledroller, complete as per clause 310.)	600.000	M2	PLHPS
10.2	10001076	SERVICE LONG TEXT: Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M20.	120.000	M3	PLHPS
10.3	10001396	SERVICE LONG TEXT: Maintenance of Earthen Shoulder (filling with fresh soil) (Making up loss of material/ irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.)	480.000	M2	PLHPS
10.4	10001455	SERVICE LONG TEXT: Excavation in ordinary rock by manual means (Excavation in ordinary rock using manual means including loading in a truck and carrying of excavated material to embankment site with in all lifts and leads upto 1000 metres)	144.000	M3	PLHPS
10.5	10001075	SERVICE LONG TEXT: Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M15.	83.000	M3	PLHPS

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

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COMPLETION CERTIFICATE

Certified that the work- **Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)** executed by M/s Taba Tad, Hoj, A.P. vide **Purchase Order- 3700004708/ Dtd. 06/02/2023)** has been completed on 14/03/2023 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
होज सिविल मैन्टिनेन्स विंग
PLHPS, NEEPCO LTD, A.P.

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700001993 / Dt : 28.04.2022

To,

Vendor Name	:	M/S Tana Senkam, Hoj
Vendor Code	:	101524
Address	:	, DAKTE-HOJ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	ATNPT3568J
GSTIN No.	:	12ATNPT3568J1Z5

Sub: Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1400.00 to 1600.00 m (Ch 0.00m at TAH) Grp-3 .

Ref: NIT no. 45 of 2021-22/ HCM/W dtd 09/02/2022

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1400.00 to 1600.00 m (Ch 0.00m at TAH) Grp-3 ." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000699	Excavation work in foundation trenches	180.000	M3	Basic Price	164.41	29,593.80
					CGST %	9.00%	2,663.45
					SGST %	9.00%	2,663.45
					Total		34,920.70
10.2	10001074	Scarifying granular surface-50mm	600.000	M2	Basic Price	32.20	19,320.00
					CGST %	9.00%	1,738.80
					SGST %	9.00%	1,738.80
					Total		22,797.60
10.3	10001075	PCC Grade M15 - Including shuttering	114.000	M3	Basic Price	8,346.61	9,51,513.54
					CGST %	9.00%	85,636.22
					SGST %	9.00%	85,636.22
					Total		11,22,785.98
10.4	10001076	PCC Grade M20 - Including shuttering	120.000	M3	Basic Price	9,257.63	11,10,915.60
					CGST %	9.00%	99,982.41
					SGST %	9.00%	99,982.41
					Total		13,10,880.42
10.5	10001077	Subgrade and Earthen Shoulder	15.000	M3	Basic Price	271.26	4,068.90
					CGST %	9.00%	366.21
					SGST %	9.00%	366.21
					Total		4,801.32
					Total Basic Price		21,15,411.84
					Total CGST %		1,90,387.09
					Total SGST %		1,90,387.09
					Total PO Val.		24,96,186.02

TWENTY FOUR LAKH NINETY SIX THOUSAND ONE HUNDRED EIGHTY SIX Rupees TWO Paise Only

TERMS AND CONDITIONS

1. Scope:

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Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1400.00 to 1600.00 m

2. Value:

3. Price Basis:

4. Taxes:

Inclusive of all taxes

5. Contract Performance Guarantee/Security Deposit:

10%(Tenpercent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

6. Delivery Period/ Completion Time/ Contract Period:

30(thirty Days) from issue of this P.O

7. Consignee (Storage Location address) /Engineer In-charge:

8. Payment Terms:

90 %(Ninety Percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge, rest 10%(Tenpercent) of the final bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date of completion of work.

9. Paying Authority:

Manager (F), F&A wing, RHEP, NEEPCO Ltd, Yazali, Arunachal Pradesh.

10. Guarantee/Warranty:

12(Twelve) months from the date of completion of work.

11. Penalty/Liquidated Damages:

12. Jurisdiction of Court:

13. Other Terms & Conditions:

Labours and Regulation: Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
Employees Provident Fund Scheme: Copy of the up to date EPF challan against your allotted code no. by the Employeeffs Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
General Safety: All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
General Insurance: The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
Store Materials: The materials for the said work will be under contractorffs scope including cost of collection and transportation of materials etc complete.
Foreclosure of contract: The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non#completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard.
You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 20.00 (Twenty) only to draw an agreement in approved format of NEEPCO LTD at early date.

14. Attachment:

Scanned with ACE Scanner

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation : Dy. General Manager (C)
Civil Maintenance Wing
(NHEPMEEPCO) Ltd.
Hzr, (A.P.)

Mobile No :
Email ID :

Copy to,

1. HOP, RHPS, Yazali, A.P for favour of kind information Pl.
2. GM(C) KHPS, Yazali for favour of kind information Please.
3. Manager (E), FHA Reing RHPS, Yazali for information & necessary action Pl.
4. Sr. mgr(c), vigilance KHPS, Yazali for information Please.

हीरा सिंह मेंगि सिविल मेंटिनेंस विंग
यू.जो.नं ..... दिनांक/Date 25/04/2022

Scanned with ACE Scanner

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10000669	Excavation work in foundation trenches or drain not exceeding 1.5 m in width or 10 Sqm on plan including dressing of sides and ramming of bottoms, lift upto 1.50 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Ordinary Rock	180.000	M3	RHEP
10.2	10001074	Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres.)	600.000	M2	RHEP
10.3	10001075	Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M15.	114.000	M3	RHEP
10.4	10001076	Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M20.	120.000	M3	RHEP
10.5	10001077	Construction of Subgrade and Earthen Shoulders (Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2).	15.000	M3	RHEP

Dy. General Manager (C)
Civil Maintenance Wing
NEEPCO Ltd.
(A.P.)

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S TANA SENKAM has completed the work," Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1400.00 to 1600.00 m (Ch 0.00m at TAH) Grp-3 ." as per Specifications mentioned in BOQ, wide P.O No: 3700001993 DTD : 28/04/2022, *in all respect on 20/05/2022 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700004417 / Dt : 19.01.2023

To,

Vendor Name	:	BENGIA LOOG ENTERPRISES
Vendor Code	:	102406
Address	:	, HOZ,- 791112 Arunachal Pradesh, India
Contact No	:	8794320270
Email ID	:	Gammine96@gmail.com,
PAN No.	:	AYBPL8441P
GSTIN No.	:	12AYBPL8441P1Z5

Sub: Construction of cement concrete pavement road at newly aligned surge shaft road at ch:1000.00m to 1200.00m of dikrong power house site, PLHPS, A.P.

Ref: NIT no. 07 of 2022-23/HCMW Dtd: 05/11/2022

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of cement concrete pavement road at newly aligned surge shaft road at ch:1000.00m to 1200.00m of dikrong power house site, PLHPS, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Panyor Lower Hydro Power Station (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001076	PCC Grade M20 - Including shuttering	140.000	M3	Basic Price	8,916.10	12,48,254.00
					CGST %	9.00%	1,12,343.00
					SGST %	9.00%	1,12,343.00
					Total		14,72,940.00
10.2	10000618	Subgrade and Earthen shoulders	60.000	M3	Basic Price	261.01	15,660.60
					CGST %	9.00%	1,409.00
					SGST %	9.00%	1,409.00
					Total		18,478.60
					Total Basic Price		12,63,914.60
					Total CGST %		1,13,752.00
					Total SGST %		1,13,752.00
					Total PO Val.		14,91,418.60

FOURTEEN LAKH NINETY ONE THOUSAND FOUR HUNDRED EIGHTEEN Rupees SIXTY Paise Only

TERMS AND CONDITIONS

1. Scope:

CC pavement road

2. Value:

3. Price Basis:

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4. Taxes:

Rates are inclusive of all taxes and shall remain firm till the complition of this work

5. Contract Performance Guarantee/Security Deposit:

3%(Three percent) of the bill shall be retained as security deposit for a defect liability period of 12(Twelve) months from the date
of completion of work.

6. Delivery Period/ Completion Time/ Contract Period:

1(One)month form issue of this P.O

7. Consignee (Storage Location address) /Engineer In-charge:

8. Payment Terms:

97(Ninety Seven)% Payment will be released on successful completion of the work. Balance 3(three)% will be kept as Performance Guarantee, which will be released after expiry of defect liability period for the Work. In case of any defect in the work detected after the completion of the work within the defect liability period, shall be made good by the contractor at hise own risk and cost, and no extra payment shall be made by the corporation.

9. Paying Authority:

Manager (F), F&A wing, PLHPS, NEEPCO Ltd, Yazali, Arunachal Pradesh.

10. Guarantee/Warranty:

12(Twelve) months from the date of completion of work.

11. Penalty/Liquidated Damages:

12. Jurisdiction of Court:

13. Other Terms & Conditions:

Labours and Regulation: Compliance of statutory labour rules, regulation, acts and amendments as notified by the Govt. of India and State Govt. Shall be the responsibilities of contractor.
Employees Provident Fund Scheme: Copy of the up to date EPF challan against your allotted code no. by the Employees Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of your work bill for releasing of payment.
General Safety: All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
General Insurance: The contractor shall fully be responsible for making arrangement for the insurance of labour and materials.
Store Materials: The materials for the said work will be under contractor's scope including cost of collection and transportation of materials etc complete.
Foreclosure of contract: The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non-completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard
You are requested to acknowledge this order and attend this office along with a non-judicial court fee stamp paper of Rs 50.00 (Fifty) only to draw an agreement in approved format of NEEPCO LTD at early date.

14. Attachment:

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All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation :

Mobile No :
Email ID :

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

होज० सिवि० मेंटिनेन्स विंग
Hoz Civil Maintenance Wing
ई.आर.ओ.No.2[illegible]
दिनांक / Date 19/01/13

Copy to,

1. The HOP, PLHPS for favour of kind information please.
2. The GM(C) PLHPS for favour of kind information please.
3. The Manager (F) F&A Wing for information and necessary action please.
4. The DGM(C) Vigilance PLHPS, for information please.
5. Sri G. Mahajang A,E (C) HCMW for information and necessary action please.

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10001076	SERVICE LONG TEXT: Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M20.	140.000	M3	RHEP
10.2	10000618	SERVICE LONG TEXT: Construction of Subgrade and Earthen Shoulders (Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2)	60.000	M3	RHEP

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz. (A.P.)

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ISO 9001, 14001 & 45001

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the DGM (C), HCMW

Dikrong Power House, PLHPS, NEEPCO. Limited, Yayee/Hoj, A.P.

==========

COMPLETION CERTIFICATE

Certified that M/S Bengia Loog Enterprises has completed the work," Construction of cement concrete pavement at newly aligned restored surge shaft road at ch: 1000 - 1200.00m of dikrong power house site PLHPS, A.P." as per Specifications mentioned in BOQ, wide P.O No: 3700004417 Dt : 19:01:2023, *in all respect on 17/02/2023 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),

DGM (C), HCMW

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700005019 / Dt : 13.03.2023

To,

Vendor Name	:	M/s B. Tana Enterprise Hoz
Vendor Code	:	101513
Address	:	,
	:	DAKTE HOZ,- 791111 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AJAPT7881M
GSTIN No.	:	12AJAPT7881M2ZN

Sub: Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-2, Ch: 2400.00m to Ch: 2600.00m)

Ref: NIT No. 16 of 2022-2023/HCMW Dtd: 12/12/2022

Dear Sir/Madam,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-2, Ch: 2400.00m to Ch: 2600.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	2.54	1,524.00
					CGST %	9.00%	137.00
					SGST %	9.00%	137.00
					Total		1,798.00
10.2	10001076	PCC Grade M20 - Including shuttering	120.000	M3	Basic Price	8,887.29	10,66,474.80
					CGST %	9.00%	95,983.00
					SGST %	9.00%	95,983.00
					Total		12,58,440.80
10.3	10001396	Maintenance Earthen Shoulder	480.000	M2	Basic Price	84.75	40,680.00
					CGST %	9.00%	3,661.00
					SGST %	9.00%	3,661.00
					Total		48,002.00
10.4	10001455	Excavation in ordinary rock manual means	144.000	M3	Basic Price	416.10	59,918.40
					CGST %	9.00%	5,393.00
					SGST %	9.00%	5,393.00
					Total		70,704.40
10.5	10001075	PCC Grade M15 - Including shuttering	83.000	M3	Basic Price	8,440.68	7,00,576.44
					CGST %	9.00%	63,052.00
					SGST %	9.00%	63,052.00
					Total		8,26,680.44
					Total Basic Price		19,69,173.64
					Total CGST %		1,68,226.00
					Total SGST %		1,68,226.00
					Total PO Val.		22,05,625.64

TWENTY TWO LAKH FIVE THOUSAND SIX HUNDRED TWENTY FIVE Rupees SIXTY FOUR Paise Only

TERMS AND CONDITIONS

1. Scope:

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Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-2, Ch: 2400.00m to Ch: 2600.00m)

2. Value:

3. Price Basis:

4. Taxes:

Inclusive of all taxes.

5. Contract Performance Guarantee/Security Deposit:

03% (Three percent) of final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.

6. Delivery Period/ Completion Time/ Contract Period:

45(Forty Five) days from the date of issue of this P.O.

7. Consignee (Storage Location address) /Engineer In-charge:

Dy. General Manager(C), HCMW, Hoz/PLHPS /NEEPCO Ltd.

8. Payment Terms:

97% (Ninety Seven percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

9. Paying Authority:

The Manager (F), PLHPS, NEEPCO, Yazali(A.P).

10. Guarantee/Warranty:

12(Twlve) months from the date of completion of work.

11. Penalty/Liquidated Damages:

In case of delay in work of items within the stipulated period indicated above, compensation for delay at the rate of 0.5%(zero-point five percent) of the contract price shall be deducted for per week or part thereof of delay subject to a maximum of 10%(Ten percent) of the contract price.

12. Jurisdiction of Court:

13. Other Terms & Conditions:

1.Labours and regulation: Compliance of statutory labour rules, regulations, acts and amendments as notified by the Govt. of India and State Govt. shall be the responsibilities of the contractor.
2.Employees provident fund schemes: Copy of the up to date EPF challan against your allotted Code No by the Employees# Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of forwarding of your work bill for releasing of payment.
3.General Safety: All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
4.General Insurance: The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
5.Store Materials: The materials required for the said work will be under contractor#s scope including all cost of collection and transportation of store materials etc. complete.

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6. Foreclosure of Contract: The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard. The Engineer in charge shall be the Dy. General Manager(C), HCMW, Hoz/PLHPS /NEEPCO Ltd.
You are requested to start the work immediately and attend this office within 6 (six) days of the issue of this order to draw the formal agreement on Non#Judicial Stamp paper of Rs. 50.00 (Rupees Fifty) only.

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :

Designation :

Dy. General Manager (C)
Hoz Civil Maintenance W.
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

Mobile :
Email ID :

कार्यालय / Office मुख्य महाप्रबंधक विंग
Hoz Civil Maintenance Wing
पू.अ.सं./U.O. No. 5/2023
दिनांक / Date 18/02/2023

copy to :-
① HoD, PLHPS, Yazali for favour of kind information please.
② G.M(C), PLHPS, Yazali for favour of kind information please.
③ Manager (F) FRA cell, PLHPS, Yazali for favour of information and necessary action please.
④ DGM(C), vigilance, PLHPS, Yazali for information please.
⑤ Shri T. Gunbo, AE(C), HCMW, Hoz for information and necessary action please.

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10001395	SERVICE LONG TEXT: Preparatioand Surface Treatment of formation. (Preparation and surface treatment of formation by removing mud and slurry, watering to the extent needed to maintain the desiredmoisture content, trimming to the required line, grade, profile and rolling with 8-10 tonne smooth wheeledroller, complete as per clause 310.)	600.000	M2	PLHPS
10.2	10001076	SERVICE LONG TEXT: Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M20.	120.000	M3	PLHPS
10.3	10001396	SERVICE LONG TEXT: Maintenance of Earthen Shoulder (filling with fresh soil) (Making up loss of material/ irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.)	480.000	M2	PLHPS
10.4	10001455	SERVICE LONG TEXT: Excavation in ordinary rock by manual means (Excavation in ordinary rock using manual means including loading in a truck and carrying of excavated material to embankment site with in all lifts and leads upto 1000 metres)	144.000	M3	PLHPS
10.5	10001075	SERVICE LONG TEXT: Plain cement concrete complete as per drawing and technical specifications(Including formwork). a) PCC Grade M15.	83.000	M3	PLHPS

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

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COMPLETION CERTIFICATE

Certified that the work- **Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-2, Ch: 2400.00m to Ch: 2600.00m)** executed by M/s B. Tana Enterprise, Hoj, A.P. vide **Purchase Order- 3700005019/ Dtd. 13/03/2023)** has been completed on 24/04/2023 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मेन्टिनेन्स विंग
PLHPS, NEEPCO LTD, A.P.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700004708 / Dt : 06.02.2023

To,

Vendor Name	:	M/s Taba Tad, hoz
Vendor Code	:	101521
Address	:	,
	:	DAKTE HOZ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	BIRPT5983R
GSTIN No.	:	12BIRPT5983R1ZZ

Sub: Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)

Ref: NIT No. 18 of 2021-2022/HCMW Dtd: 12/12/2022

Dear Sir/Madam,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	2.54	1,524.00
					CGST %	9.00%	137.00
					SGST %	9.00%	137.00
					Total		1,798.00
10.2	10001076	PCC Grade M20 - Including shuttering	120.000	M3	Basic Price	8,887.29	10,66,474.80
					CGST %	9.00%	95,983.00
					SGST %	9.00%	95,983.00
					Total		12,58,440.80
10.3	10001396	Maintenance Earthen Shoulder	460.000	M2	Basic Price	84.75	40,680.00
					CGST %	9.00%	3,661.00
					SGST %	9.00%	3,661.00
					Total		48,002.00
10.4	10001455	Excavation in ordinary rock manual means	144.000	M3	Basic Price	416.10	59,918.40
					CGST %	9.00%	5,393.00
					SGST %	9.00%	5,393.00
					Total		70,704.40
10.5	10001075	PCC Grade M15 - Including shuttering	63.000	M3	Basic Price	8,440.68	7,00,576.44
					CGST %	9.00%	63,052.00
					SGST %	9.00%	63,052.00
					Total		8,26,680.44
					Total Basic Price		18,69,173.64
					Total CGST %		1,68,226.00
					Total SGST %		1,68,226.00
					Total PO Val.		22,05,625.64

TWENTY TWO LAKH FIVE THOUSAND SIX HUNDRED TWENTY FIVE Rupees SIXTY FOUR Paise Only

TERMS AND CONDITIONS

1. Scope:

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Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, C
2800.00m to Ch: 3000.00m)

2. Value:

3. Price Basis:

4. Taxes:

Inclusive of all taxes.

5. Contract Performance Guarantee/Security Deposit:

03% (Three percent) of final bill shall be retained as security deposit for a defect period 12(Twelve) months from the date of completion of work.

6. Delivery Period/ Completion Time/ Contract Period:

45(Forty Five) days from the date of issue of this P.O.

7. Consignee (Storage Location address) /Engineer In-charge:

Dy. General Manager(C), HCMW, Hoz/PLHPS /NEEPCO Ltd.

8. Payment Terms:

97% (Ninety Seven percent) payment shall be paid on successful completion of the work and full satisfaction of the Engineer-in-charge.

9. Paying Authority:

The Manager (F), PLHPS, NEEPCO, Yazali(A.P).

10. Guarantee/Warranty:

12(Twlve) months from the date of completion of work.

11. Penalty/Liquidated Damages:

In case of delay in work of items within the stipulated period indicated above, compensation for delay at the rate of 0.5%(zero-point five percent) of the contract price shall be deducted for per week or part thereof of delay subject to a maximum of 10%(Ten percent) of the contract price.

12. Jurisdiction of Court:

13. Other Terms & Conditions:

1.Labours and regulation: Compliance of statutory labour rules, regulations, acts and amendments as notified by the Govt. of India and State Govt. shall be the responsibilities of the contractor.
2.Employees provident fund schemes: Copy of the up to date EPF challan against your allotted Code No by the Employees# Provident Fund Organization, Regional Office, North East Region, Bhangagarh, Guwahati, Assam is to be submitted at the time of forwarding of your work bill for releasing of payment.
3.General Safety: All necessary/adequate personal safety measures & requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall make use of the proper of those.
4.General Insurance: The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
5.Store Materials: The materials required for the said work will be under contractor#s scope including all cost of collection and transportation of store materials etc. complete.
6.Foreclosure of Contract: The Engineer-in-charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-charge shall be final and binding in this regard. The Engineer in charge shall be the Dy. General Manager(C), HCMW, Hoz/PLHPS /NEEPCO Ltd.

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You are requested to start the work immediately and attend this office within 6 (six) days of the issue of this order to draw the formal agreement on Non#Judicial Stamp paper of Rs. 50.00 (Rupees Fifty) only.

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation :

Mobile No :
Email ID :

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

Copy to,

① The HOP, PLHPS for favour of kind information please.
② The GM(C) PLHPS for favour of kind information please.
③ The Manager (F) F & A Wing for information and necessary action please. (Photocopy of e.s approved is enclosed herewith for ready reference).
④ The copy is enclosed herewith for ready reference.
⑤ The DGM(C) Vigilance PLHPS for information please
⑥ Sri Gurkaliyang A, E(C) HCMW, for information and necessary action please.

प्रेषक सिविल मेन्टेनेन्स विंग
Civil Maintenance Wing
सं.सि.मे.वि./U.O. No. 22-23/...
दिनांक/Date 26/07/22

Scanned with ACE Scanner

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10001395	SERVICE LONG TEXT: Preparatioand Surface Treatment of formation. (Preparation and surface treatment of formation by removing mud and slurry, watering to the extent needed to maintain the desiredmoisture content, trimming to the required line, grade, profile and rolling with 8-10 tonne smooth wheeledroller, complete as per clause 310.)	600.000	M2	PLHPS
10.2	10001076	SERVICE LONG TEXT: Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M20.	120.000	M3	PLHPS
10.3	10001396	SERVICE LONG TEXT: Maintenance of Earthen Shoulder (filling with fresh soil) (Making up loss of material/ irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.)	480.000	M2	PLHPS
10.4	10001455	SERVICE LONG TEXT: Excavation in ordinary rock by manual means (Excavation in ordinary rock using manual means including loading in a truck and carrying of excavated material to embankment site with in all lifts and leads upto 1000 metres)	144.000	M3	PLHPS
10.5	10001075	SERVICE LONG TEXT: Plain cement concrete complete as per drawing and technical specifications(Including formwork). a) PCC Grade M15.	83.000	M3	PLHPS

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

Scanned with ACE Scanner

COMPLETION CERTIFICATE

Certified that the work- **Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)** executed by M/s Taba Tad, Hoj, A.P. vide **Purchase Order- 3700004708/ Dtd. 06/02/2023)** has been completed on 14/03/2023 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मैन्टिनेन्स विंग
PLHPS, NEEPCO LTD, A.P.

Scanned with ACE Scanner

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

Received Date 22/4/22

No. NEEPCO/RHEP/GM(C)/201/2022-23/ 84-87 Dated 25.04.2022

To,

M/s Taba Talar
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

PR → 1400000145
PO → 9700002426
SE → 1000008675/5000007199
Completion 23/6/22.

Sub: Work Order for **Construction of protection wall near the total station of Dam safety instrumentation at the downstream Dam ,41Km,RHEP,Yazali,A.P.**

Ref: This office LNIT no. RHEP//GM/ 125/2021-22 dtd. 07.03.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of " **Construction of protection wall near the total station of Dam safety instrumentation at the downstream Dam ,41Km,RHEP,Yazali,A.P.**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work**: - The work is for **Construction of protection wall near the total station of Dam safety instrumentation at the downstream Dam ,41Km,RHEP,Yazali,A.P.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 21,17,111.00** (Rupees twenty one lacs seventeen thousand one hundred eleven) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates: -** The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.: -** The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be

made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority: - The Manager (F)**, RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the Deputy General **Manager(C), HSM, NEEPCO. Limited RHEP**, 43km Yazali.

You are requested to start the work in consultation with the Deputy General **Manager (C), HSM, RHEP, NEEPCO**, 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Yours faithfully

Enclos: Annexure-I
Drawing

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2022-23/ 84-87 **Dated 25.04.2022**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated **18.04.2022**
2. The Deputy General Manager©, HSM, ,RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
3. The Sr.Manager(Vigilance),RHEP,NEEPCO Ltd,Yazali,A.P. for information please.
4. The Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No **32 Dtd. 07.04.2022**

General Manager (C)
RHEP,NEEPCO. Ltd,azali(A.P)

Name of the work: : Construction of protection wall near the total station of Dam safety instrumentation at athe downsteam Dam ,41Km,RHEP,Yazali,A.P.				Annexure-I	
SLNo	Item	Unit	Qntity	Rates	
				Rates	Amount
1	Cutting of trees,including cutting of trunk Banches and removal (cutting of tree,inlcuding cutting ,of trunk,branches and removal of stups,roots,stacking of serviceable meterial with all lifts and upto a lead of 1000 mitrs and earth filing in the depression/pit	Each	1	380.00	380.00
2	Clearing Grubbing road land. (Clearing and grubbing road land including uprooting rank vegetation,grass,bushes, shrubs,saplings and trees girth up to 300mm ,removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead 1000m including removal and disposal of top organic soil not exceeding 150mm in thickness) By manual means:- In area of light jungle	Hect	0.0126	78480.00	988.85
3	Excavation in Hilly areas in soil by Manual mears(excavation in soil in Hilly area by manual means inlucding cutting and trimming of side slope and disposing of excavated earth with a lift upto 1.5m and a lead upto 20m as drawing and technical specification clause 1603.1)	Cum	195.65	259.00	50673.35
4	PCC 1:3:6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40mm nominal size mechnically mixed,placed in foundation and compacted by vibration including curing for 14 days	Cum	23.458	8859.00	207814.42
5	Supplying ,fitting and placing un-coated HYSD steel reinforcement complete in foundation as per drawing and technical specification	Ton	0.383	116742.00	44712.19
6	Stone masnry work in cement motar 1:3 in foundation complete as per drawing and technical specifications. B. Random Rubble masonry	Cum	224.988	7581.00	1705634.03

Sl.No	Item	Unit	Qntity	Rates	Amount	
				Rates		
7	Plain/reinforced cement concrete in open foundation complete as per drawing and technical specification . C.RCC Gradee M20, Case I Using concrete mixture	Cum	5.843	11900.00	69531.70	1060495
8	Back filling behind abutmen ,wing wall and return wall complete as per drawing and technical specification. A. Granular meterial	Cum	15.375	2431.00	37376.63	1060375
					2117111.16	
				Say	**21,17,111.00**	

(Rupees twenty one lacs seventeen thousand one hundred eleven) only

General Manager©
RHEP,NEEPCO Ltd.Yazali,A.P.

COMPLETION CERTIFICATE.

Certified that the work "Construction of Protection wall near the total station of Dam Safety Instrumentation at the downstream of Dam, 41km, RHEP, Ar. Pr" amounting to Rs. 21,17,111.00(Rupees Twenty One Lakhs seventeen Thousand one hundred eleven) only has been completed on date 23.06.2022 by the Contractor, M/S Taba Talar as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2022-23/83 dtd 25.04.2022

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्ट्रर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

851
8/7/22

No. NEEPCO/RHEP/GM(C)/201/2021-22/ 3344 -48 Dated 5/8 /2022

PR → 1400000086.
FD → 3750001794.
SE → 1010006789 / 5000005492.

To,

M/s T.R.Enterprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of a Dumping Yard along the reservoir for stacking of the debries collected from reservoir area,RHEP,Yazali,A.P.**

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of a Dumping Yard along the reservoir for stacking of the debries collected from reservoir area,RHEP,Yazali,A.P..** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is **Construction of a Dumping Yard along the reservoir for stacking of the debries collected from reservoir area,RHEP,Yazali,A.P..**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:** - **47,32,13400** (Rupees forty seven lacs thirty two thousand one hundred thirty four) only which is inclusive of all applicable taxes.
3. **Time of completion:** - **60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in

Confirm → 11/04/22

AVC → 200601 000039.

this matter shall be final and binding. On expiry of **1 (one) year** from the date of completion, the Defect Liability Certificate shall be issued by E-I-C.

10. **Security Deposit** :- As security for the defect liability period, Security Deposit amounting to 10% (ten percent) of the work value shall be retained for **1 (one) year** from the certified date of completion and the same shall be released after expiry of defect liability period or defect rectification work if any arises or payment of final bill whichever is later.
11. **Paying authority**: - The Manager (F), RHEP, NEEPCO, Yazali (A.P). Payment shall be made under the 'E-payment' system. You are requested to submit the following details in this regard, (i) Bank account No. (ii) Type of Bank account (saving/current/cash-credit) (iii) IFS code (11 digits)/MICR code as applicable.
12. **Labour act and regulation**: - Strict adherence to all statutory labour rules, regulations, and amendments by the Govt. of India and State Govt. and should be complied by the contractor.
13. **Employees provident fund schemes:** The contractor himself will be responsible for compliance of the provision of the said act, as per Govt. notification. The contractor must be a registered establishment under the EPF &M.P. act 1952 and scheme there under and shall specify Independent Code No.
14. **General safety**: - All necessary/adequate personal safety measures/ requirements as per relevant safety engineering and safety code shall be kept available at site. The contractor shall himself ensure proper use of the safety measures.
15. **General insurance**: - The contractor shall be fully responsible for making arrangement against insurance of labourers and materials to be engaged at site.
16. **Completion Certificate:** - The work shall be completed to the entire satisfaction of the Engineer- in- Charge and in accordance with the time mentioned in the contract or extension thereof. On completion of the work including clearance of site, the contractor may notify the Engineer- in -Charge for issuance of Completion Certificate.
17. **Foreclosure of Contract**: The Engineer-in-Charge shall have full power to terminate the contract in full or part in case of non completion of the work in part or full. The decision of the Engineer-in-Charge shall be final and binding in this regard.

The Engineer in charge shall be the Deputy General **Manager(C), HSM, NEEPCO. Limited RHEP,** 43km Yazali.

You are requested to start the work in consultation with the Deputy General **Manager (C), HSM, RHEP, NEEPCO,** 43km, RHEP and to attend this office within **6 (six)** days of the issue of this order to draw the formal agreement on Non –Judicial Stamp paper of **Rs. 100.00 (Rupees one hundred)** only.

Thanking you.

Enclos: Annexure-I
Drawing

Yours faithfully

General Manager (C)
RHEP.NEEPCO. Ltd.azali(A.P)

Memo No: - NEEPCO/RHEP/GM(C)/201/2021-22/ 3344-48 **Dated** 3/3 **/2022**

Copy to:-

1. The Head of Project, RHEP for favour of kind information please. This is with reference to his approval dated 02.03.2022
2. The Deputy General Manager©, HSM,RHEP,NEEPCO Ltd,Yazali,A.P. for information and necessary action please.
3. The Sr.Manager(Vigilance),RHEP,NEEPCO Ltd,Yazali,A.P. for information please.
4. The Deputy General Manager (F), RHEP, NEEPCO, Yazali, for kind information and necessary action please. This is with reference to finance concurrence vide U.O. No 1023 Dtd. 02.03.2022

General Manager (C)
RHEP,NEEPCO. Ltd.azali(A.P)

Name of the work: : Construction of a Dumping Yard along the reservoir for stacking of the Debries collected from reservoir area.RHEP,41Km,Yazali,A.P.					Annexure-I
1	Excavation for structure (Earth work in excavation of foundation of structures as per drawing and technical specification ,including setting out, construction of shoring and bracing,removal of stumps and other deleterious matter,dressing of sides and bottom and backfilling excavation earth to the exten required and utilising the remaiing earth locally for road work) ,Ordinary soil (Manual means:- Depth upto 3.0m	Cum	168.840	413.00	69730.92
2	Gabion structure for Erosion control, River training works and protection work (provididing and construction gabain structure for erosion control ,river training works and protection works with wire crates of size 2mx1mx0.6m each,made fom 4mm galvanized steel wire @32Kg per 10 Sq.m having minimum tensile strength of 300MPa conforming to IS :280 and galvanising coating conforming to IS:4826,woven into mesh with double twist,mesh size not exceeding 100mm x 100mm,filled with boulders withleast mimension of 200mm, allloose ends to be securely tie with 4mm galvanised steel wire)	Cum	882.000	4849.00	4276818.00
3	Embankment construction with material obtained from burrow pits(construction of embankment with approved material obtained from burrow pits with all leads and lifts, transporting to site, spreading, grading to required slope and compacting to meet requirement of Table 300-2	Cum	966.379	399.00	385585.22
					4732134.14
				Say	**47,32,134.00**

(Rupees forty seven lacs thrity two thousand one hundred thirty four) only

General Manager

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Dumping Yard along the Reservoir for stacking of the Debris collected from the Reservoir area, RHEP,41km, Yazali, A.P." has been completed on dated 11.04.22 by the Contractor, M/S T.R Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2021-22/3343 dtd 03.03.2022

DGM©, HSM

D.M(C), HSM.

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3600000797 / Dt : 23.03.2022

To,
Vendor Name : SCOPE T&M PVT. LTD.
Vendor Code : 101151
Address : EL 31 11,,
: PUNE,- 411026 Maharashtra, India
Contact No :
Email ID :
PAN No. : AABCS5002J
GSTIN No. : 27AABCS5002J1ZK

Sub:
ORDER FOR SUPPLY & COMMISSIOING OF SCOPE MAKE DC EARTH FAULT LOCATOR FOR DIKRONG POWER HOUSE, RANGANADI HYDRO POWER STATION, NEEPCO LTD

Ref:
1. Our Letter No- RHPS/DGM(E)/PH&SY(O&M)/T-120(M)/21-22/1071 Dtd.03/03/2022
2. Offer No. QTAI-AR-AR-E002 Dtd. 08.03.2022
3. This is reference to PO No-RHPS/DGM(E)/PH&SY(O&M)/T#120(M)/21#22/ 1925 Dtd 22.03.2022

Dear Sir/Madam,
With reference to above, the Corporation is pleased to place this order for supply & Commissioning of Scope make DC Earth Fault Locator, Model No. DC Trace of Dikrong Power House, RHPS, NEEPCO Ltd as per scope of work, price schedule, terms & conditions indicated below.

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10		DC Earth Fault locator	1.000	NO	Basic Price IGST % Total	5,00,000.00 18.00%	5,00,000.00 90,000.00 5,90,000.00
					Total Basic Price Total IGST % Total PO Val.		5,00,000.00 90,000.00 5,90,000.00

FIVE LAKH NINETY THOUSAND Rupees Only

TERMS AND CONDITIONS

1. Scope:
The scope of work under this contract shall include supply, detail engineering, commissioning at site of Scope make DC Earth Fault Locator, Model No. DC Trace
The scope includes the following accessories.
(a) Signal Generator in moulded case
(b) Signal Receiver (DC TraceR)
(c) One pair of dual range CT with Cable 1.5 Meter
(d) Crocodile clips (Red & Black)
(e) Battery Charger for Signal Generator & Signal Receiver
(f) Signal Generator Output Cable 2.5 Meter
(g) USB Data Converter
(h) Instruction Manual, Test and Calibration Report
(i) Pen Drive

2. Value:
Rs 590000.00 (Rupees Five Lakh Ninety Thousand) only inclusive of GST as indicated above

3. Price Basis:
The rates indicated above are at FOR Ex Works Pure basis inclusive of GST as indicated above. The rates shall remain firm till completion of supply.

4. Taxes:
Good & Service Taxes (GST): GST shall be paid extra on the supply at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill. Our GSTIN No-12AAACN9991J4Z0.

5. Contract Performance Guarantee/Security Deposit:

6. Delivery Period/ Completion Time/ Contract Period:
Delivery : The material shall be delivered within 90 (Ninety) Days from the date of issue of this order. Equipment shall be supplied with a warranty and calibration Certificate along with all required accessories as indicated above. However all efforts should be made to supply the material as early as possible.

7. Consignee (Storage Location address) /Engineer In-charge:
The Manager (El), Power House Store, RHPS, Hoz (Yazali), Papumpare Dist., Pin # 791 112, Arunachal Pradesh.

8. Payment Terms:
Payment: 100% (Hundred percent) payment shall be made after receipt of material at site in full & good condition and successful commissioning.

You are also requested to submit the following details along with your Bill / Invoice for e payment to consignee:
i) Name & complete address of the firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

9. Paying Authority:
The Manager (Finance), F & A Wing, RHPS, NEEPCO Ltd., Yazali, Pin 791 119, Arunachal Pradesh.

10. Guarantee/Warranty:
Guarantee/Warranty: The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/ replacement free of cost by the supplier. All incidental cost of such repair/ replacement shall be to the supplier#s account. If any defect be not remedied/replaced within a reasonable time the purchaser may proceed that material at supplier#s risk and expenses.

11. Penalty/Liquidated Damages:
Liquidated Damage: If the firm fail to supply material within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

12. Jurisdiction of Court:

13. Other Terms & Conditions:
Freight & Insurance: The material may please be dispatch through any reputed transporter or courier to the having branch office nearest to Dikrong Power House, NEEPCO Ltd, Hoz, Arunachal Pradesh on "Freight to Pay Basis" or "Freight paid basis" which shall be reimbursed at actual on production of documentary evidence along with the bill. Our Nearest transport Head is North Lakhimpur, Assam or Naharlagun, A.P.

Transit Insurance of materials shall be covered under our open marine policy No. 53010421150200000002 (Marine Cargo) of New India Assurance Co. Ltd., North Lakhimpur (Assam), Fax No. 03752-222262. Please intimate the above under writer the details of dispatch with a copy to this office.

Packing & Marking: The supplier shall be responsible for securely protecting and packing the materials taking special care for protruding parts & such other vulnerable parts as per prescribed standard to withstand the journey ensuring the safety of the equipment without any extra cost to the corporation. The consignment shall be clearly super scribed with the address of consignee.

O&M Manual: The supplier shall provide 02 (two) sets of operation & maintenance manual of the product along with the kit.

Calibration Certificate: Manufacturer#s calibration Certificate of the equipment as per relevant IS to be submitted along with the

equipment.

Testing & Commissioning : The equipment shall be Tested & commissioned by engineer of M/s Scope T&M Pvt. Ltd at site to the full satisfaction of Engineer In-charge. The engineer shall provide a demonstration on operation & maintenance of the DC Earth Fault Locator Equipment to site engineers at project site. After receipt of material at site you will be intimated for deputation of your engineer. No any extra payment for Testing & commissioning shall be paid. However only free accommodation for your engineer shall be provide at the project guest house. Manager(E/M), PH & SY (M) shall be Engineer I/C for this contract.

Technical Specification:Technical specification of Equipment shall be as per Annexure # I.

Destination: Dikrong Power House, Ranganadi HP Station, NEEPCO Ltd, Hoz (Yayee) , Dist. Papumpare, Arunachal Pradesh.

Force Majeure : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor#s employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor#s negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

Arbitration:

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO.

Thanking you,

Yours faithfully,

(Signature)

Name :

Designation :DGM (E/M)##PH & SY (O&M)##RHPS, NEEPCO Ltd., Hoj

Mobile No :

Email ID :

Annexure-A

PRICE SCHEDULE:

Sl No	Description of Item.	Qty (set)	Rate in (₹)	Amount in (₹)
1.	DC Earth Fault Locator with accessories like connecting cable, leads, Softwares etc. Make-Scope Model-Dc Trace Current Sensitivity-≥0.1mA Current Clamp-Dual Range CT of 60mm Jaw opening Ø30mm & Ø8 mm Display-128X64 pixel Colour LCD(Generator) 240X320pixel 3.5" colour TFT Touch Screen (Receiver) Batter Life ≥4 Hours Accuracy-±5% Along with all accessories, technical details,calibration certificate Manual etc	01	500000.00	500000.00
			Total (₹)	500000.00
			Add GST @18% in ₹	90000.00
			Total (₹)	590000.00

(Rupees Five Lakh Ninety Thousand Only)

DGM (E/M)
PH & SY (O&M)
RHPS, NEEPCO Ltd., Hoj

Technical Specification:

Parameter	DC Trace
Fault Location Technique	Direction of current flow, Phase angle di¦erence, Comparison of signal strength
Output Voltage	24V, 48V, 110V, 220V, 500V, 1000V
Output Frequency	10Hz - Default , 50Hz, 60Hz, 325Hz
Fault Location Sensitivity	Up to 1MΩ
Current Detection Sensitivity	"0.1mA
Current Detection Clamp	60mm (jaw opening), Ø 65 x 30mm and Ø12 x 8mm, dual range
Display - Signal Generator	128 x 64 pixel colour LCD
Display - Signal Receiver	240 x 320 pixel 3.5" colour TFT touch screen
Power Supply - Signal Generator	3500mAh/14.4V re-chargeable Li-ion battery
Power Supply - Signal Receiver	2400mAh/8.4V re-chargeable Li-ion battery
Battery Life	" 4 hours
Battery Charging Input	230V / 110V AC, 50 / 60Hz
Environment	0~50°C, upto 95% RH (Non-condensing)
Dimensions - Signal Generator	270 X 240 X 120mm
Dimensions - Signal Receiver	210 X 110 X 60mm
Weight	6.0 kg (Approx.)

QGM (O/M)
PH & SY (O&M) RHPS

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000005279	Goods Receipt Date	Mar 31, 2022
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location		-	
Delivery Note No		2100003263	
Vendor Address		101151 - SCOPE T&M PVT. LTD. EL 31 11, J BLOCK, MIDC, Pune Maharashtra	
Transporter Name			
Vehicle Number		AR01P-1852	
LR No.		2100003263	
LR Date		Mar 29, 2022	
PO Number	3600000797	PO Date	Mar 23, 2022

S.No.	Material No.	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending PO Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
1		DC Earth Fault locator	1	NO	1.000	0			

Remarks

Signature
[Site Engineer]

Signature
(Store Incharge)

Assistant Manager (C/S)
Power House Store
RHEP, NEEPCO LTD.

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3600000792 / Dt : 23.03.2022

To,

Vendor Name	:	SCOPE T&M PVT. LTD.
Vendor Code	:	101151
Address	:	EL 31 11,,
	:	PUNE,- 411026 Maharashtra, India
Contact No	:	
Email ID	:	,
PAN No.	:	AABCS5002J
GSTIN No.	:	27AABCS5002J1ZK

Sub:
ORDER FOR SUPPLY & COMMISSIOING OF SCOPE MAKE SURGE ARRESTER LEAKAGE CURRENT ANALYSER FOR DIKRONG POWER HOUSE, RANGANADI HYDRO POWER STATION, NEEPCO LTD.

Ref:
1. Our Letter No- RHPS/DGM(E)/PH&SY(O&M)/T-120(M)/21-22/1088 Dtd.03/03/2022
2. Offer No. QTAI-AR-AR-E001 Dtd. 07.03.2022
3. This is reference to the PO No-RHPS/DGM(E)/PH&SY(O&M)/T#120(M)/21#22/1021 Dtd 22.03.2022

Dear Sir/Madam,
Dear Sir(s),
With reference to above, the Corporation is pleased to place this order for supply & Commissioning of Scope make Leakage Current Analyser for Surge Arrester, Model No. SA30I+ of Dikrong Power House, RHPS, NEEPCO Ltd as per scope of work, price schedule, terms & conditions indicated below.

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10		LEAKAGE CURRENT ANALYSER FOR SURGE ARRES	1.000	NO	Basic Price	14,75,000.00	14,75,000.00
					IGST %	18.00%	2,65,500.00
					Total		17,40,500.00
					Total Basic Price		14,75,000.00
					Total IGST %		2,65,500.00
					Total PO Val.		17,40,500.00

SEVENTEEN LAKH FORTY THOUSAND FIVE HUNDRED Rupees Only

TERMS AND CONDITIONS

1. Scope:
The scope of work under this contract shall include supply, detail engineering, commissioning at site of Scope make Leakage Current Analyser for Surge Arrester, Model No. SA30I+
The scope includes the following accessories.
(a) Specially designed Wireless low noise, Clamp-on CT Unit
(b) Wireless Field Probe Unit housed in a light-weight case
(c) Extendable Mountoring arrangement (FRP) in soft carry bag
(d) Thermal Paper Rol
(e) SA Data PC Downloading & Analysis Software on CD
(f) Calibration Certificate having traceability to NABL
(g) Operational Manual
(h) Soft carry bag for main instrument & other accessories

2. Value:
Rs 1740500.00 (Rupees Seventeen Lakh Forty Thousand Five Hundred) only inclusive of GST as indicated above.

3. Price Basis:
The rates indicated above are at FOR Ex Works Pune basis inclusive of GST as indicated above. The rates shall remain firm till completion of supply.

4. Taxes:
Good & Service Taxes (GST): GST shall be paid extra on the supply at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill. Our GSTIN No-12AAACN8991J4Z0.

5. Contract Performance Guarantee/Security Deposit:

6. Delivery Period/ Completion Time/ Contract Period:
Delivery : The material shall be delivered within 90 (Ninety) Days from the date of issue of this order . Equipment shall be supplied with a warranty and calibration Certificate along with all required accessories as indicated above. However all efforts should be made to supply the material as early as possible.

7. Consignee (Storage Location address) /Engineer In-charge:
The Manager (El), Power House Store, RHPS, Hoz (Yazee), Papumpare Dist., Pin # 791 112, Arunachal Pradesh.

8. Payment Terms:
Payment: 100% (Hundred percent) payment shall be made after receipt of material at site in full & good condition and successful commissioning.

You are also requested to submit the following details along with your Bill / Invoice for e-payment to consignee
i) Name & complete address of the firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

9. Paying Authority:
The Manager (Finance), F & A Wing, RHPS, NEEPCO Ltd., Yazali, Pin 791 119, Arunachal Pradesh.

10. Guarantee/Warranty:
Guarantee/Warranty: The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/ replacement free of cost by the supplier. All incidental cost of such repair/ replacement shall be to the supplier#s account. If any defect be not remedied/replaced within a reasonable time the purchaser may proceed that material at supplier#s risk and expenses.

11. Penalty/Liquidated Damages:
Liquidated Damage: If the firm fail to supply material within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

12. Jurisdiction of Court:

13. Other Terms & Conditions:
Freight & Insurance: The material may please be dispatch through any reputed transporter or courier to the having branch office nearest to Dikrong Power House, NEEPCO Ltd, Hoz, Arunachal Pradesh on "Freight to Pay Basis" or "Freight paid basis" which shall be reimbursed at actual on production of documentary evidence along with the bill. Our Nearest transport Head is North Lakhimpur, Assam or Naharlagun, A.P.

Transit Insurance of materials shall be covered under our open marine policy No. 53010421150200000002 (Marine Cargo) of New India Assurance Co. Ltd., North Lakhimpur (Assam), Fax No. 03752-222262. Please intimate the above under writer the details of dispatch with a copy to this office.

Packing & Marking: The supplier shall be responsible for securely protecting and packing the materials taking special care for protruding parts & such other vulnerable parts as per prescribed standard to withstand the journey ensuring the safety of the

equipment without any extra cost to the corporation. The consignment shall be clearly super scribed with the address of consignee.

O&M Manual: The supplier shall provide 02 (two) sets of operation & maintenance manual of the product along with the kit.

Calibration Certificate: Manufacturer#s calibration Certificate of the equipment as per relevant IS to be submitted along with the equipment.

Testing & Commissioning : The equipment shall be Tested & commissioned by engineer of M/s Scope T&M Pvt. Ltd at site to the full satisfaction of Engineer In-charge. The engineer shall provide a demonstration on operation & maintenance of the Leakage Current Analyser Equipment to site engineers at project site. After receipt of material at site you will be intimated for deputation of your engineer. No any extra payment for Testing & commissioning shall be paid. However only free accommodation for your engineer shall be provide at the project guest house. Manager(E/M), PH & SY (M) shall be Engineer I/C for this contract.

Technical Specification:Technical specification of Equipment shall be as per Annexure # I.

Destination: Dikrong Power House, Ranganadi HP Station, NEEPCO Ltd, Hoz (Yayee) , Dist. Papumpare, Arunachal Pradesh.

Force Majeure : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor#s employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor#s negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

Arbitration:

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO.

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation :DGM (E/M)/#PH & SY (O&M)/##RHPS, NEEPCO Ltd., Ho|
Mobile No :
Email ID :

Annexure-A

PRICE SCHEDULE:

Sl No	Description of Item.	Qty (set)	Rate in (₹)	Amount in (₹)
1.	Leakage Current Analyser for Surge Arrester with accessories like connecting cable, leads, Softwares etc. Make-Scope Model-SA30i+ Total Leakage Current Range- upto 20mA Resistive Leakage Current Range- upto 20mA Resolation-1µA in all ranges Input-External Wireless Clamp on CT, External Wireless Field probe and optional External PT (110V Ac) Temperature Sensor-In bulit PT100 Battery-Internal Rechargeable 11V/2200mAh Lion Battery. Along with all accessories, technical details,calibration certificate Manual etc Confirms to IE 60068-2, IEC61326-1,IEC61010-1	01	1475000.00	1475000.00
			Total (₹)	1475000.00
			Add GST @18% in ₹	265500.00
			Total (₹)	1740500.00

(Rupees Seventeen Lakh Forty Thousand Five Hundred Only)

DGM (E/M)
PH & SY (O&M)
RHPS, NEEPCO Ltd., Ho

Technical Specification:

Parameter	SA30i+
Total Leakage Current Range	1 µA to 20 mA
Resistive Leakage Current Range	1 µA to 20 mA
Resolution	1 µA
Accuracy	Value ± 5% ± 1 µA
Inputs	Wireless Clamp on CT and Wireless Field Probe Optional External field PT Input (Voltage Peak Method as per IEC 60099-5-A1 for GIS)
Display	4 line x 20 character large backlit LCD with large front
Compensation	Automatic for System Harmonics, Temperature & System Voltage
Temperature Sensor	Inbuilt platinum resistance thermometer
Self-Calibration Check	Available
PC Connectivity	Through USB Port
Memory	Storage capacity of 2000 results
Printer	58mm Inbuilt Thermal Printer
Power	Battery as well as Mains powered Main Unit Battery powered CT and FP Units
Internal Battery	Main Unit - 11.1 V / 2200 mAh Rechargeable Battery, CT Unit - 11.1 V / 1150 mAh Rechargeable Battery, Field Probe Unit - 11.1 V / 1150 mAh Rechargeable Battery.
Mains Supply	88 to 264 VAC, 47 to 63 Hz, Single Phase
Battery Charger	Inbuilt in Main Unit, Connection to CT and Field Probe Provided
Dimensions	Main Unit - 340 x 295 x 155 mm, CT Unit - 340 x 73 x 40 mm, Field Probe Unit - 340 x 82 mm Cylindrical
Weight	Main Unit - 3.8 Kg, CT Unit - 0.7 Kg , Field Probe Unit - 0.75 Kg
Environment	-20°C to 55°C, up to 95% RH (non-condensing)

CERTIFICATIONS:

Parameter	SA30i+
Environmental Tests	IEC 60068 / IS 9000 for Dry Heat, Damp Heat, Change of Temperature, Bump, Vibration and Mechanical Shock
Safety standards	Low Voltage Directive: 2014/35/EU Standard: EN 61010-1:2010 (3rd Ed.)
EMI/EMC standards	EMC Directive: 2014/30/EU Standard: EN61326-1:2013
Emission tests	AC Mains Conducted Emission, Radiated Emission
Immunity tests	Immunity to Electrostatic Discharge, Immunity to Electrical Fast Transients, Immunity to Surge, Voltage Dips and Short Interruptions, Power Frequency Magnetic Field, Conducted RF Susceptibility, Radiated Radio Frequency Electromagnetic Field

DGM (E/M)
PH & SY (DGM) RHPS.

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000005278	Goods Receipt Date	Mar 31, 2022
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location		-	
Delivery Note No		2100003258	
Vendor Address		101151 - SCOPE T&M PVT. LTD. EL 31 11, J BLOCK, MIDC, Pune Maharashtra	
Transporter Name			
Vehicle Number		AR01P-1452	
L.R No.		2100003258	
L.R Date		Mar 29, 2022	
PO Number	3600000792	PO Date	Mar 23, 2022

S.No.	Material No.	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
1		LEAKAGE CURRENT ANALYSER FOR SURGE ARRES	1	NO	1.000	0			

Remarks

Signature
(Site Engineer)

STORE KEEPER
POWER HOUSE
RHEP NEEPCO LTD.

Signature
(Store Incharge)

Assistant Manager (E/M)
Power House Store
RHEP NEEPCO LTD.

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

oods Receipt Number	5000006851	Goods Receipt Date	Jun 15, 2022
onsignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
onsignee / Receiver Storage Location		-	
elivery Note No		DC081800073	
ndor Address		102690 - BHARAT HEAVY ELECTRICALS LIMIT 1ST FLOOR, PART-1B, H.NO. 01 BANPHOOL NAGAR PATH GUWAHATI KAMRUP Assam	
ansporter Name			
hicle Number		MP04GA4144	
R No.		6436205	
R Date		Jun 8, 2022	
O Number	3600001055	PO Date	Jun 8, 2022

No.	Material No.	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
		400KV, 4400PF Capacitive Voltage Transfo	1	NO	1.000	0			184/1

marks

Signature
(Site Engineer)

Signature
(Store Incharge)

Technical Specifications of 4400 pF, 420 KV Capacitor Voltage Transformer (CVT)

Technical Data Requirements for 420 kV Capacitor Voltage Transformer

1.	Name and address of manufacturer		BHEL Bhopal, India
2.	Manufacturer's type designation		420 kV CVT
3.	Standards applicable		IS: 3156 / IEC: 358
4.	Rated primary Voltage Ur	(kV)	400/√3
5.	Rated secondary Voltages	(V)	110/√3
6.	No of secondaries		3
7.	Rated frequency	(Hz)	50

		Winding-1	Winding-2	Winding-3
8.	Rated output of each secondary winding (VA)	200	200	100
9.	Total simultaneous burden (VA)	<----------100----------> (for 0.2 accuracy on Winding 3)		
10.	Rated thermal burden (VA)	750		
11.	Highest system voltage (kV)	420		
12.	Rated voltage factor and corresponding rated time			
	i. Continuous	1.2		
	ii. 30 seconds	1.5		
		Winding-1	Winding-2	Winding-3
13.	Accuracy class of each secondary winding	3P	3P	0.2
14.	Capacitance			
	i. of high voltage capacitor (pF)	4656		
	ii of intermediate voltage capacitor (pF)	80000		
15.	Carrier frequency coupling (pF)	4400		
16.	Natural frequency of coupling (kHz)	More than 600		
17.	Self tuning frequency of CVT (kHz)	More than 600		
18	Band width (kHz)	30 to 500		
19	One minute power frequency test voltage of secondary winding (kV rms)	3		
20	One minute power frequency test voltage of H.F. terminal (kV rms)	4		

Renewable Yearly

REPORT OF EXAMINATION OF THE LIFTING MACHINES, ROPES AND LIFTING TACKLES

(Under A.P. Factories Act, 1948 & Rules 2012)

PARTICULARS

Ref No: SKD/CP/29/2021-22/NEEPCO/2340. Date:-30.11.2021.
W.O No RHEP/DGM (E/M)/PH&SY (O&M)/T-26(M)/21-22/1345 DATED: 15/11/2021.

1. Name of occupier of the factory	:	Head of Project. Ranganadi.
2. Address of the factory	:	Ranganadi Hydro Electric Plant. NEEPCO Ltd. P.O:-Ranganadi Project. Dt:-Lower Subansiri. Arunachal Pradesh. Pin:-791119.
3. Distinguishing number of marks (if any) and description sufficient to identify the lifting machines, chains, rope or the lifting tackles	:	MOBILE CRANE.(Hydra).Cap:-10 M.T. ID No.-Hydra-01.Model:-Bull. Make:-TIL. Loc:- Power House, Hoz. Type:-Hydraulic. Sl. No. – 14531.
4. Date when the lifting machine, chain, rope or lifting tackle was first used in the factory	:	Could not be ascertained.
5. Date of each examination made under sec 29 (i) (ii) (iii) and by whom it was carried out	:	Er. S. K. DUTTA on 21.05.18. Er. S. K. DUTTA on 26.08.19. Er. S. K. DUTTA on 03.12.20.
6. Date and number of the certificate relating to any test and examination made under subrule (1) or rule 64 together with the name of the person who issued certificate	:	SKD/CP/29/2020-21/NEEPCO/1958. Dtd-04.12.20.
7. Date of annealing or other heat treatment of the chain and lifting tackle carried out under subrule(5) of rule 64 and by whom it was carried out	:	Not Applicable.
8. Particulars of any defect found at any such examination or after annealing and affecting the safe working load and of the steps taken to remedy defect.	:	TESTED AND FOUND SLIP, AS IT IS TOO OLD AND ITS BOOM AND LIFTING ATTACHMENT FOUND DETORIATED, SO ADVISED TO NOT USE FOR HEAVY WORK AND USE CAREFULLY.

I/ We certify that on ... 27.11.2021.... I/ We thoroughly examined the above mentioned lifting machine/ chain/ rope/ lifting/ tackle and that the above is a correct of the result.

This certificate is valid up to ...26.11.2022.

Signature

(Er. S. K. Dutta)
Competent Person Under Factories Act.
H. No. – 276 A, Zoo Narengi Rd. Ghy-24
Ph:-094350-41602/086389-66249.
Email:-swpndutta8@gmail.com.

T-17

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
रंगानदी जल विद्युत संयंत्र
RANGANADI HYDRO ELECTRIC PLANT
पी० ओ० : रंगानदी परियोजना
P.O.: RANGANADI PROJECT
होज : अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791119

ISO 9001, 14001, OHSAS 45001

Ph No. 03809-240946 (o)
e-mail: tanvatoli@neepco.co.in

File No. RHEP/DGM(E)/PH&SY(O&M)/T-17(M)/2021-22/ 1416 Dated the 24th Nov., 2021.

Inter Office Memo

From : DGM(E), PH&SY(O&M) To : DGM(E/M), C&P, RHEP

SUB :- **FORWARDING OF DETAILS OF DEPARTMENTAL VEHICLE/EQUIPMENTS TO BE TAKEN UP FOR CONDEMNATION.**

Ref :- 1. IOM No. NEEPCO/RHEP/HOP/T-67/2021-22/1170-1176, dtd. 03-11-2021.

As desired, enclosed please find herewith a detail list of departmental vehicles/equipments under Power House & Switchyard (O&M), RHEP which to be taken up for condemnation for information and needful please.

Signature

Copy for info to :

P/L

DETAILS OF VEHICLE & EQUIPMENTS UNDER PH&SY(O&M), RHEP.

Sl No.	Veh/Eqp. Regn. No.	Description	Chessis No.	Engine No.	Make/Model	Mgr. Year	Body type
1.	AR-06-2007	Tata Truck	344073323851	692DOL333432 (Old)/2523011005019 (New).	Tata Motor/2213	01/1990	Metal
2.	AR-06-0411	Tata Fire Tender.	360324LVG124647	697D23LVG134242	Tata/ Fire Tender.	1989	Metal.
3.	AF-01-0010	10 Ton Crane	14531	543321852	TIL/TLM-10	1996	Tyre Mounted.

Dy. General Manager (Elec), PH & SY (O&M),
RHEP, NEEPCO Ltd., A.P

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2021-22/ 3592-95 Dated 09/03 /2022

To,

M/s T.J...Enterprise
Vill:- Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

CA-112149
PR - 1400000169
PO - 3700002706
Asset ID - 200601000063
Budget - 10000 10218

Sub: Work Order for **"Construction of permanent B-type quarter No. PB-06 at 43Km,NEEPCO Ltd,Yazali,A.P.**

Ref: This office LNIT no. RHEP//GM/ 61/2021-22 dtd. 10.01.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of permanent B-type quarter No. PB-06 at 43Km,NEEPCO Ltd,Yazali,A.P** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of permanent B-type quarter No. PB-06 at 43Km,NEEPCO Ltd,Yazali,A.P** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 42,12,362.00** (Rupees forty two lacs twelve thousand three hundred sixty two) only which is inclusive of all applicable taxes.
3. **Time of completion: - 6** (six) months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

Work order Dy. M(C), Tezu n/a please.
10/03/22

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

रंगा नदी जल विद्युत संयंत्र
रंगा-नदी हाइड्रो पावर स्टेशन
RANGANADI HYDRO POWER STATION (RHPS)
Road and Building (M), RHPS
दूरभाष/ फोन - 03809-222229

No. - NEEPCO/RHEP/Sr. M(C)/R&B(M)/ 1-108/2022-23/ Dated

COMPLETION CERTIFICATE

Name of work	:	Construction of permanent B-type quarter no. PB-06 at 43km, NEEPCO colony, RHEP, Yazali, A. P
Name of Contractor	:	M/s T. J. Enterprise, Vill. – Potin, Dist: Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	8263, Page no. 84 of 200 8075, Page no: 85 of 124
Work order no.	:	NEEPCO/RHEP/GM(C)/201/2021-22/3591 Dtd. 09.03.2022
Agreement no.	:	NEEPCO/RHEP/GM(C)/246/108 Dated. 11.03.2022
Date of Start	:	09.03.2022
Date of completion as per W.O.	:	09.09.2022
Actual Date of Completion	:	20.08.2022
Value of work	:	₹ 42,12,362.00/-

Certified that the work has been physically completed on 20.08.2022 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt from roof work upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

Sr. Manager (C) R&B(M)

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700002837 / Dt : 29.08.2022

To,

Vendor Name	:	NCT Enterprises
Vendor Code	:	101609
Address	:	,
	:	HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	9862639641
Email ID	:	,
PAN No.	:	AJQPT4461P
GSTIN No.	:	12AJQPT4461P1ZG

Sub: Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-1, Ch: 0.00m to Ch: 200.00m)

Ref: NIT No. 33 of 2021-2022/HCMW Dtd: 09/02/2022

Dear Sir/Madam,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-1, Ch: 0.00m to Ch: 200.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preperation and Surface Treatment	600.000	M2	Basic Price	3.39	2,034.00
					CGST %	9.00%	183.06
					SGST %	9.00%	183.06
					Total		2,400.12
10.2	10001076	PCC Grade M20 - including shuttering	120.000	M3	Basic Price	9,239.83	11,08,779.60
					CGST %	9.00%	99,790.17
					SGST %	9.00%	99,790.17
					Total		13,08,359.94
10.3	10001396	Maintenance Earthen Shoulder	480.000	M2	Basic Price	88.13	42,302.40
					CGST %	9.00%	3,807.22
					SGST %	9.00%	3,807.22
					Total		49,916.84
					Total Basic Price		11,53,116.00
					Total CGST %		1,03,780.45
					Total SGST %		1,03,780.45
					Total PO Val.		13,60,676.90

THIRTEEN LAKH SIXTY THOUSAND SIX HUNDRED SEVENTY SIX Rupees NINETY Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-1, Ch: 0.00m to Ch: 200.00m)

2. Value:

3. Price Basis:

4. Taxes:

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COMPLETION CERTIFICATE

Certified that the work- **Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHEP, A.P.(Grp-1, Ch: 0.00m to Ch: 200.00m)** executed by M/s NCT Enterprises, A.P. vide **Purchase Order- 3700002837/ Dtd. 29/08/2022)** has been completed on 14/09/2022 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मैन्टिनेन्स विंग
[illegible] Pradesh

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. :E-Mail:

Purchase Order-3700002705 / Dt : 18.08.2022

To,

Vendor Name	:	M/s T.T Enterprises, Luksin
Vendor Code	:	101525
Address	:	, DAKTE-HOJ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AIDPT0567E
GSTIN No.	:	12AIDPT0567E1ZJ

Sub: Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-3, Ch: 400.00m to Ch: 600.00m).

Ref: NIT No. 35 of 2021-2022/HCMW Dtd: 09/02/2022

Dear Sir/Madam,

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	3.39	2,034.00
					CGST %	9.00%	183.06
					SGST %	9.00%	183.06
					Total		2,400.12
10.2	10001076	PCC Grade M20 - Including shuttering	120.000	M3	Basic Price	9,239.83	11,08,779.60
					CGST %	9.00%	99,790.17
					SGST %	9.00%	99,790.17
					Total		13,08,359.94
10.3	10001396	Maintenance Earthen Shoulder	480.000	M2	Basic Price	88.13	42,302.40
					CGST %	9.00%	3,807.22
					SGST %	9.00%	3,807.22
					Total		49,916.84
					Total Basic Price		11,53,116.00
					Total CGST %		1,03,780.45
					Total SGST %		1,03,780.45
					Total PO Val		13,60,676.90

THIRTEEN LAKH SIXTY THOUSAND SIX HUNDRED SEVENTY SIX Rupees NINETY Paise Only

TERMS AND CONDITIONS

1. Scope:

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-3, Ch: 400.00m to Ch: 600.00m)" as per terms & conditions stipulated hereunder.

2. Value:

3. Price Basis:

4. Taxes:

Inclusive of all taxes.

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COMPLETION CERTIFICATE

Certified that the work- **Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHEP, A.P.(Grp-3, Ch: 400.00m to Ch: 600.00m)** executed by M/s T.T Enterprise,Village- Dakte-Hoj(Luksin), A.P. vide **Purchase Order-3700002705/ Dtd. 18/08/2022**) has been completed on 29/08/2022 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

सहकारी अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
हेज सिविल मैन्टिनेन्स विंग
Hoj, Arunachal Pradesh

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700002656 / Dt : 08.08.2022

To,

Vendor Name	:	M/s B. Tana Enterprise Hoz
Vendor Code	:	101513
Address	:	, DAKTE HOZ,- 791111 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AJAPT7881M
GSTIN No.	:	12AJAPT7881M2ZN

Sub: Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-4, Ch: 600.00m to Ch: 800.00m)

Ref: NIT No. 36 of 2021-2022/HCMW Dtd: 09/02/2022

Dear Sir/Madam,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-4, Ch: 600.00m to Ch: 800.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	3.39	2,034.00
					CGST %	9.00%	183.06
					SGST %	9.00%	183.06
					Total		2,400.12
10.2	10001076	PCC Grade M20 - including shuttering	120.000	M3	Basic Price	9,239.83	11,08,779.60
					CGST %	9.00%	99,790.17
					SGST %	9.00%	99,790.17
					Total		13,08,359.94
10.3	10001396	Maintenance Earthen Shoulder	480.000	M2	Basic Price	88.13	42,302.40
					CGST %	9.00%	3,807.22
					SGST %	9.00%	3,807.22
					Total		49,916.84
					Total Basic Price		11,53,116.00
					Total CGST %		1,03,780.45
					Total SGST %		1,03,780.45
					Total PO Val.		13,60,676.90

THIRTEEN LAKH SIXTY THOUSAND SIX HUNDRED SEVENTY SIX Rupees NINETY Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-4, Ch: 600.00m to Ch: 800.00m)

2. Value:

3. Price Basis:

4. Taxes:

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10001395	Preparationand Surface Treatment of formation (Preparation and surface treatment of formation by removing mud and slurry, watering to the extent needed to maintain the desiredmoisture content, trimming to the required line, grade, profile and rolling with 8-10 tonne smooth wheeledroller, complete as per clause 310.)	600.000	M2	RHEP
10.2	10001076	Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M20.	120.000	M3	RHEP
10.3	10001396	Maintenance of Earthen Shoulder (filling with fresh soil) (Making up loss of material/ irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.)	480.000	M2	RHEP

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All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation : Dy. General Manager (C)

Mobile No :
Email ID :

Copy to:

1. HOP, RHPS, Vasali for favour of kind information please.
2. Sr.M(C), RHPS, Vasali for favour of kind information please.
3. M(E) P&M wing, RHPS, Vasali for favour of information and necessary action please.
4. Sr. M(C), Vigilance, RHPS, Vasali for favour of information please.

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COMPLETION CERTIFICATE

Certified that the work- **Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHEP, A.P.(Grp-4, Ch: 600.00m to Ch: 800.00m)** executed by M/s B.Tana Enterprise,Village- Dakte(Hoj), A.P. vide **Purchase Order-3700002656/ Dtd. 08/08/2022)** has been completed on 22/08/2022 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz,(A.P.)

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मैन्टिनेन्स विंग
Hoj, Arunachal Pradesh

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नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2021-22/ Dated /2022

To,

M/s B.Y..Enterprise
Vill:- Yazali
Dist: Lower Subansiri,
Arunachal Pradesh.

CA-112149
PR - 1400000187
PO - 3700002980
Store Mrq. - 1000010137
Acct ID. 200801000070

Sub: Work Order for **"Construction of permanent B-type quarter No. PB-07 at 43Km,NEEPCO Colony,RHEP,Yazali,A.P.**

Ref: This office NIT no. RHEP//GM/ 62/2021-22 dtd. 10.01.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of permanent B-type quarter No. PB-07 at 43Km,NEEPCO Colony,RHEP,Yazali,A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of permanent B-type quarter No. PB-07 at 43Km,NEEPCO Colony,RHEP,Yazali,A.P.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 42,12,362.00** (Rupees forty two lacs twelve thousand three hundred sixty two) only which is inclusive of all applicable taxes.
3. **Time of completion: - 6** (six) months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of 1 **(one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

[illegible]

[illegible] 03809 222229

No. NEEPCO/RHEP/SC/MC(RA&CM)/ E-108/2021-22/ Dated

COMPLETION CERTIFICATE

Name of work	:	Construction of permanent B-type quarter no. PB-07 at 43km, NEEPCO colony, RHEP, Yazali, A. P
Name of Contractor	:	M/s B. Y. Enterprise, Vill – Yazali, Dist. Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	10999, Page no. 86 of 200
		8078, Page no. 20 of 58
Work order no.	:	NEEPCO/RHEP/GM(C)/201/2021-22/3586 Dtd. 09.03.2022
Agreement no.	:	NEEPCO/RHEP/GM(C)/246/107 Dated. 11.03.2022
Date of Start	:	09.03.2022
Date of completion as per W.O.	:	09.09.2022
Actual Date of Completion	:	270.08.2022
Value of work	:	₹ 42,12,362.00/-

Certified that the work has been physically completed on 27.08.2022 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt from toof work upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

6/9/22

Sr. Manager (C, RA&CM)

COMPLETION CERTIFICATE.

Certified that the work "Construction of Cement concrete road from gate near parking area of RHPS dam upto RHPS Intake Ch. 0.0m to Ch. 470.00m (Ch. 0.0m at gate near parking area of RHPS dam, 41km, Ar. Pr." amounting to Rs. 72,20,084.00 (Rupees Seventy-two lakhs twenty thousand eighty-four) only has been completed on dated 29.08.22 by the Contractor, M/s. T. J Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2022-23/291 dtd 25.07.22

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

219
29/7/22

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 25.07.2022

To,

M/s T.J...Enterprise
Vill:- Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

PR - 1400000177
PO - 3700002793
SE - 1000010471 dtd 29/8/22
AUC - 2006/0000067

Sub: Work Order for **"Construction of cement concrete road from Gate near parking area of RHPS Dam up to Intake (Ch. 0.00m to Ch. 470.00m), 41K, Yazali,A.P.**

Ref: This office LNIT no. RHEP//GM/ 06/2022-23 dtd. 22.06.2022

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the **work "Construction of cement concrete road from Gate near parking area of RHPS Dam up to Intake (Ch. 0.00m to Ch. 470.00m), 41K, Yazali,A.P.**-las per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work**: - The work is for **"Construction of cement concrete road from Gate near parking area of RHPS Dam up to Intake (Ch. 0.00m to Ch. 470.00m), 41K, Yazali,A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 72,20,084.00** (Rupees seventy-two lacs twenty thousand eighty-four) only which is inclusive of all applicable taxes.
3. **Time of completion: - 90** (Ninety) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Minimum wages:** - The contractor should be paid minimum wages to the labourers.
10. **Materials:** - All materials within the scope of contractor.
11. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be

FY 2022-2023 Annexure-19

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700002507 / Dt : 08.07.2022

To,

Vendor Name	:	NCT Enterprises
Vendor Code	:	101609
Address	:	,
	:	HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	9862639641
Email ID	:	,
PAN No.	:	AJQPT4461P
GSTIN No.	:	12AJQPT4461P1ZG

Sub: Construction of Plan-IV (7) at dikrong power house hoz, RHPS, A.P.

Ref: NIT NO:No: 02 of 2022-23/ HCMW Dtd: 02/05/2022

Dear Sir/Madam,
With reference to the above NIT, the work for "Construction of Plan-IV (7) at dikrong power house hoz, RHPS, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000156	Surface dressing @ 150 mm deep	500.000	M2	Basic Price	14.82	7,410.00
					CGST %	9.00%	666.90
					SGST %	9.00%	666.90
					Total		8,743.80
10.2	10000560	Welding by electric plant	3592.000	CM	Basic Price	6.11	21,947.12
					CGST %	9.00%	1,975.25
					SGST %	9.00%	1,975.25
					Total		25,897.62
10.3	10000438	Prov fix MS grills : @25mm x 5.0mm flat	493.394	KG	Basic Price	135.90	62,975.24
					CGST %	9.00%	5,667.76
					SGST %	9.00%	5,667.76
					Total		74,310.80
10.4	10000410	Reinf conc work in found, footings : M20	2.636	M3	Basic Price	8,522.75	22,465.97
					CGST %	9.00%	2,021.94
					SGST %	9.00%	2,021.94
					Total		26,509.85
10.5	10000411	Reinforced conc work in columns: M20	2.700	M3	Basic Price	9,735.70	26,286.39
					CGST %	9.00%	2,365.78
					SGST %	9.00%	2,365.78
					Total		31,017.95
10.6	10000412	Reinfor cem conc work lintels,beams:M20	13.134	M3	Basic Price	9,637.50	1,26,579.71
					CGST %	9.00%	11,392.18
					SGST %	9.00%	11,392.18
					Total		1,49,364.07
10.7	10000492	Prov lay dampcf course 25mm:Cemcon1:2.4	19.630	M2	Basic Price	325.18	6,383.28
					CGST %	9.00%	574.50
					SGST %	9.00%	574.50
					Total		7,532.28

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S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.8	10000419	Brick work Found & plin cem mortar 1:4	9.581	M3	Basic Price CGST % SGST % Total	8,801.34 9.00% 9.00%	84,352.94 7,591.69 7,591.69 99,535.42
10.9	10000420	Halfbrick mas Found& plin,cem mortar1:4	194.000	M2	Basic Price CGST % SGST % Total	1,107.77 9.00% 9.00%	2,14,997.37 19,349.77 19,349.77 2,53,696.91
10.10	10000434	15 mm cement plaster 1 : 4	194.000	M2	Basic Price CGST % SGST % Total	208.72 9.00% 9.00%	40,510.46 3,645.96 3,645.96 47,802.36
10.11	10000435	12 mm cement plaster 1 : 4	194.030	M2	Basic Price CGST % SGST % Total	176.43 9.00% 9.00%	34,243.30 3,081.90 3,081.90 40,407.10
10.12	10000469	Earthwork Excav foundtrnch =<50%shingle	12.000	M3	Basic Price CGST % SGST % Total	281.70 9.00% 9.00%	3,380.40 304.24 304.24 3,988.88
10.13	10000513	Prov fix flush door shutt, décor type	20.160	M2	Basic Price CGST % SGST % Total	3,210.72 9.00% 9.00%	64,728. 5,825.54 5,825.54 76,379.20
10.14	10000512	Prov local wood(CL-III) Door, window etc	73.970	TCD	Basic Price CGST % SGST % Total	465.33 9.00% 9.00%	34,420.46 3,097.85 3,097.85 40,616.16
10.15	10000695	3mm thick Hard board ceiling	84.380	M2	Basic Price CGST % SGST % Total	577.23 9.00% 9.00%	48,706.67 4,383.61 4,383.61 57,473.89
10.16	10000697	EVE board 25mm thick 225mm wide	66.900	M	Basic Price CGST % SGST % Total	369.73 9.00% 9.00%	24,734.94 2,226.15 2,226.15 29,187.24
10.17	10001197	Aluminum tower bolts 250mm	54.000	EA	Basic Price CGST % SGST % Total	112.25 9.00% 9.00%	6,061.50 545.54 545.54 7,152.5
10.18	10001265	Alluminium sliding door bolts	12.000	EA	Basic Price CGST % SGST % Total	279.30 9.00% 9.00%	3,351.60 301.65 301.65 3,954.90
10.19	10000461	Providing & fixing Alum Handles 125mm	39.000	EA	Basic Price CGST % SGST % Total	86.63 9.00% 9.00%	3,378.57 304.08 304.08 3,986.73
10.20	10000334	Providng fixng glass panes 4mm with putty	16.740	M2	Basic Price CGST % SGST % Total	1,292.96 9.00% 9.00%	21,644.15 1,947.98 1,947.98 25,540.11
10.21	10000556	Pro fix Durashine Zinc-Al alloy sheet	166.710	M2	Basic Price CGST % SGST % Total	956.75 9.00% 9.00%	1,59,499.79 14,354.99 14,354.99 1,88,209.77
10.22	10000613	Durashine zinc-Aluminium ridge	16.550	M	Basic Price CGST % SGST % Total	748.72 9.00% 9.00%	12,391.32 1,115.22 1,115.22 14,621.76

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S NCT has completed the work, " Construction of Plan-IV (7) at dikrong Power House hoz, RHPS, A.P" as per Specifications mentioned in BOQ, wide P.O no: 3700002507 dtd 08/07/2022 , *in all respect on 27/09/2022 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check Dam on upstream of Parmar Nallah, RHPS, Yazali, Ar. Pr" amounting to Rs.15,93,783.00 (Rupees Fifteen Lakhs Ninety three Thousand seven hundred eighty three) only has been completed on dated 20.10.2022 by the Contractor, M/S T.J Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2022-23/385 dtd 24.08.2022

DGM (C), HSM.

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

No. NEEPCO/RHPS/GM(C)/201/2022-23/ 385. Dated 2022 04/08.

To,

M/s T.J.Enterprise
Vill:- Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Name of the work: : Constraction of Check Dam on upstream of Parmar Nallah,RHPS,NEEPCO Ltd,Yazali,A.P.**

Ref: This office LNIT no. RHPS//GM/ 08/2022-23 dtd. 08.07.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Name of the work: Construction of Check Dam on upstream of Parmar Nallah, RHPS, NEEPCO Ltd, Yazali,A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is **Name of the work: Construction of Check Dam on upstream of Parmar Nallah, RHPS, NEEPCO Ltd, Yazali, A.P.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 15,93,783.00** (Rupees fifteen lacs ninety-three thousand seven hundred eighty-three) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

Work order
IR → 1400000199
Po - 4760003332
SE → 1000012863
Inc → 2016010000 84

20/10/22 ~827~

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007
Office of the General Manager (C)
Ranganadi Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2021-22/ Dated 7.09.2022

PR → 1400000207
PO → 3700003422
SE → 1000013176
AUC → 20160100000097.

To,

M/s T.D.R.Enterprise
Vill:- Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of Road with protection work connecting Damping Yard to Intake Road at Dam site, RHPS, 41Km,Yazali,A.P.**

Ref: This office LNIT no. RHEP//GM/ 10/2022-23 dtd. 03.08.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of Road with protection work connecting Damping Yard to Intake Road at Dam site, RHPS, 41Km,Yazali,A.P.**. as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Road with protection work connecting Damping Yard to Intake Road at Dam site, RHPS, 41Km,Yazali,A.P.**.as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 51,90,507.00** (Rupees fifty one lacs ninety thousand five hundred seven) only which is inclusive of all applicable taxes.
3. **Time of completion:** - **90** (Ninety) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

Completion date - 30/10/2022

9 - 828 - GST

COMPLETION CERTIFICATE.

Certified that the work "Construction of Road with Protection work connecting Dumping Yard to Intake Road at Dam Site, RHPS,41km, Yazali, A.P" amounting to Rs.51,90,507.00 (Rupees Fifty-One Lakhs Ninety Thousand five hundred seven) only has been completed on dated 30.10.2022 by the Contractor, M/S T.D.R Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2022-23/450 dtd 07.09.2022

DGM (C), HSM.

D.M(C), HSM.

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700002604 / Dt : 26.07.2022

To,

Vendor Name	:	M/s Bida Enterprises, potin
Vendor Code	:	101520
Address	:	,
	:	POTIN,- 791120 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AEEPT0377F
GSTIN No.	:	12AEEPT0377F1ZP

Sub: Construction of Plan-IV (6) at dikrong power house hoz, RHPS, A.P.

Ref: NIT NO:No: 01 of 2022-23/ HCMW Dtd: 02/05/2022

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of Plan-IV (6) at dikrong power house hoz, RHPS, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW)(hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000156	Surface dressing @ 150 mm deep	165.000	M2	Basic Price	14.82	2,445.30
					CGST %	9.00%	220.08
					SGST %	9.00%	220.08
					Total		2,885.46
10.2	10000580	Welding by electric plant	2514.400	CM	Basic Price	6.11	15,362.08
					CGST %	9.00%	1,382.67
					SGST %	9.00%	1,382.67
					Total		18,128.32
10.3	10000438	Prov fix MS grills : @25mm x 5.0mm flat	327.330	KG	Basic Price	135.90	44,484.15
					CGST %	9.00%	4,003.58
					SGST %	9.00%	4,003.58
					Total		52,491.31
10.4	10000410	Reinf conc work in found, footings : M20	1.977	M3	Basic Price	8,522.75	16,849.48
					CGST %	9.00%	1,516.46
					SGST %	9.00%	1,516.46
					Total		19,882.40
10.5	10000411	Reinforced conc work in columns: M20	2.025	M3	Basic Price	9,735.70	19,714.19
					CGST %	9.00%	1,774.34
					SGST %	9.00%	1,774.34
					Total		23,263.47
10.6	10000412	Reinfor cem conc work lintels,beams:M20	9.053	M3	Basic Price	9,637.56	87,249.83
					CGST %	9.00%	7,852.40
					SGST %	9.00%	7,852.40
					Total		1,02,954.63
10.7	10000492	Prov lay dampproof course 25mm Cemcon1:2:4	13.630	M2	Basic Price	325.19	4,432.34
					CGST %	9.00%	398.92
					SGST %	9.00%	398.92
					Total		5,230.18

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S NCT has completed the work, " Construction of Plan-IV (6) at dikrong Power House hoz, RHPS, A.P" as per Specifications mentioned in BOQ, wide P.O no: 3700002604 dtd 26/07/2022 , *in all respect on 30/10/2022 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

Scanned with ACE Scanner

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
North Eastern Electric Power Corporation Limited
भारत सरकार का उद्यम (A Govt. of India Enterprises)
ISO9001:2008, 14001:2004
OHSAS 18001:2007
सर्यत्र प्रमुख का कार्यालय/ OFFICE OF THE HEAD OF PLANT
रंगानदी जल विद्युत संयंत्र :: RANGANADI HYDRO ELECTRIC PLANT
पो.ऑ. : रंगानदी प्रोजेक्ट :: P.O. : RANGANADI PROJECT
यॉजली, अरुणाचल प्रदेश :: YAZALI, ARUNACHAL PRADESH-791119
PH. No. 03809-222206
FAX : 03809-222212
e-mail : contracts.rhep@gmail.co

No. NEEPCO/RHEP/HOP/T- 53 /2021-22/ Date:

To,

M/s P. N. Associates
A- sector, Dokum Colony
Naharlagun,
Dist.- Papumpare
Arunachal Pradesh-791 110

FY 2022-2023 Annexure-2

Contact No. 0360-2350099 , e-mail :pnassociates.nlg@gmail.com

Sub: Detailed Order for the work "Design, Engineering, Supply, installation, Testing & Commissioning of 33 KV & 33/11 KV Substation at Dikrong Power House, Ranganadi HE Plant, NEEPCO Ltd., Hoz, Arunachal Pradesh".

Ref:
1. LNIT No. – RHEP/C&P/29/2019-20 Dtd. 17.02.2020.
2. Corrigendum No. 01 Dtd. 21.02.2020
3. Letter No. PNA/NEEPCO/2020-21/092 dtd. 06.07.2020
4. Letter No. NEEPCO/RHEP/HOP/T-16/2020-21/1337 dtd. 20.08.2020
5. Letter No. PNA/NEEPCO/2020-21/ dtd. 24.08.2020
6. Letter No. NEEPCO/RHEP/HOP/T-16/2020-21/2245 dtd. 31.12.2020
7. Letter of PNA dtd. 08.01.2021
8. Letter No. NEEPCO/RHEP/HOP/T-16/2020-21/2380 dtd. 03.02.2021
9. Letter No. NEEPCO/RHEP/HOP/T-53/2020-21/2530 dtd. 15.03.2021
10. Letter No. PNA/NEEPCO/2020-21/193 dtd. 24.03.2021
11. Negotiation Meeting Dtd. 24.03.2021
12. LOI No. NEEPCO/RHEP/HOP/T-53/2021-22/232 dtd. 06.05.2021
13. Your Accepted Letter No. PNA/NEEPCO/Gen/2021-22 Dtd. 10.05.2021
14. B.G. No. 1297621BG0000017 dtd. 12.07.2021 of SBI

Dear Sir(s),

With reference to above, the undersigned on behalf of the North Eastern Electric Power Corporation (herein after referred as "Purchaser") is pleased to place this detailed order on you (herein after referred as "Contractor") for the work **"Design, Engineering, Supply, erection/installation, Testing & Commissioning of 33 KV & 33/11 KV Substation at Dikrong Power House, Ranganadi HE Plant, NEEPCO Ltd., Hoz, Arunachal Pradesh".** as per schedule of prices enclosed at Annexure-A, Datasheet – Annexure- B, GA Drawing-Annexure-C and scope of work, Terms & Conditions detailed herein-under.

A. SCHEDULE OF ITEMS :

(i) The detailed Schedule of Prices with BOM & Quantity are enclosed at Annexure-A
(ii) Datasheet at Annexure-B
(iii) GA drawing-Annexure-C
(iv) General Technical Specification shall be governed as per Bid Document

B. SCOPE OF WORK

The following shall be the scope of work under this contract: -

1. The scope of the contract shall be for the 'Design, Engineering, Supply, Installation, Testing & Commissioning of 33 KV & 33/11 KV Substation at Dikrong Power House, Ranganadi HE Plant, NEEPCO Ltd., Yazali, Arunachal Pradesh, and includes all works, not specifically mentioned but required to complete the work in totality to the full satisfaction of E-I-C.
2. The substation shall consist of all the protection & control system with following feeders.

i) Nos. of 33 KV Incoming Feeders : 02 (two)
ii) Nos. of 33 KV outgoing Feeders : 02 (two)
(One for Dam, Office at 43 KM & one for Pare HE Project)
iii) Nos. of 11 KV out going Feeders : 02 (two)
(One for surge shaft, Hoj Colony & one spare for Future provision)

Cont...P/2

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3700003755 / Dt : 05.12.2022

To,

Vendor Name	:	T.J.Enterprise
Vendor Code	:	300180
Address	:	,
	:	YAZALI,- 791119 Arunachal Pradesh, India
Contact No	:	8732098553
Email ID	:	lishibaka83@gmail.com,
PAN No.	:	AJEPB9240Q
GSTIN No.	:	12AJEPB9240Q2Z4

Sub: Construction of PCC Support Wall for Drain in the Upper Elevation level of 33KV & 33/11KV Switchyard at Dikrong Power House, RHPS, NEEPCO Ltd., A.P

Ref: LNIT No:04 of 2022-23/ Dikrong Power House Dtd: 14/10/2022

Dear Sir/Madam,

With reference to the above LNIT, the work for " Construction of PCC Supporting Wall for Drain in the upper Elevation level of 33KV & 33/11KV Switchyard at Dikrong Power House,Hoj, RHPS, NEEPCO Ltd.,A.P", the undersigned on behalf of the North Eastern Electric Power Corporation Ltd., 405 MW Ranganadi Hydro Power Station(hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the execution of work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001078	Excavation for Structure	70.350	M3	Basic Price	332.81	23,413.18
					CGST %	9.00%	2,107.19
					SGST %	9.00%	2,107.19
					Total		27,627.56
10.2	10001537	Plain Cement Concrete Grade M15	5.250	M3	Basic Price	8,013.85	42,072.71
					CGST %	9.00%	3,786.55
					SGST %	9.00%	3,786.55
					Total		49,645.81
10.3	10001075	PCC Grade M20 - including shuttering	101.150	M3	Basic Price	8,887.03	8,98,923.08
					CGST %	9.00%	80,903.08
					SGST %	9.00%	80,903.08
					Total		10,60,729.24
					Total Basic Price		9,64,408.97
					Total CGST %		86,796.82
					Total SGST %		86,796.82
					Total PO Val.		11,38,002.61

ELEVEN LAKH THIRTY EIGHT THOUSAND TWO Rupees SIXTY ONE Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of PCC Support Wall for Drain in the Upper Elevation level of 33KV & 33/11KV Switchyard at RHPS, NEEPCO Ltd., A.P as per technical specification attached.

2. Value:

11,38,002.61 (Rupees Eleven Lakh Thirty Eight Thousand Two rupees and sixty one paise) only

North Eastern Electric Power Corporation Limited

Office of the Head Of Plant
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700001836 / Dt : 25.03.2022

AMMENDMENT PO WITH DEVIATION

To,

Vendor Name	:	P.N. Associates
Vendor Code	:	101887
Address	:	,
	:	NAHARLAGUN,- 791110 Arunachal Pradesh, India
Contact No	:	3602350099
Email ID	:	pnassociates.nlg@gmail.com,
PAN No.	:	ALDPP5705B
GSTIN No.	:	12ALDPP5705B5ZL

Sub: Design, Engineering, Supply, erection/installation, Testing & Commissioning of 33 KV & 33/11 KV Substation at Dikrong Power House, Ranganadi HE Plant, NEEPCO Ltd., Hoz, Arunachal Pradesh

Ref: 1.LNIT No.- RHEP/C&P/29/2019-20 Dtd. 17/02/2020.
2.LOI No. NEEPCO/RHEP/HOP/T-53/2021-22/232 Dtd. 06/05/2021

Dear Sir/Madam,

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000963	Supply of 36kV, 1250 A, 12.5kA, VCB	2.000	SET	Basic Price	3,34,425.00	6,68,850.00
					CGST %	9.00%	60,196.50
					SGST %	9.00%	60,196.50
					Total		7,89,243.00
10.2	10000972	Supply of MS Channel (100X50x6)mm	210.000	M	Basic Price	1,311.24	2,75,360.40
					CGST %	9.00%	24,782.44
					SGST %	9.00%	24,782.44
					Total		3,24,925.28
10.3	10000973	Supply of Nut Bolts Washer Clamps.	1.000	LOT	Basic Price	41,525.42	41,525.42
					CGST %	9.00%	3,737.29
					SGST %	9.00%	3,737.29
					Total		49,000.00
10.4	10000974	Supply of Cable Ladder Straight Tray	50.000	M	Basic Price	2,940.00	1,47,000.00
					CGST %	9.00%	13,230.00
					SGST %	9.00%	13,230.00
					Total		1,73,460.00
10.5	10000975	Supply of GiPipe Earth Electrode 40mmdia	11.000	NO	Basic Price	2,940.00	32,340.00
					CGST %	9.00%	2,910.60
					SGST %	9.00%	2,910.60
					Total		38,161.20
10.6	10000976	Supply of 33 kV Insulator	1.000	LOT	Basic Price	73,500.00	73,500.00
					CGST %	9.00%	6,615.00
					SGST %	9.00%	6,615.00
					Total		86,730.00
10.7	10000977	Supply of Control Cables 4Cx2.5 sq mm	1.000	LOT	Basic Price	1,17,600.00	1,17,600.00
					CGST %	9.00%	10,584.00
					SGST %	9.00%	10,584.00
					Total		1,38,768.00
10.8	10000978	Supply of Control Cables if 7Cx2.5 sq mm	1.000	LOT	Basic Price	1,47,000.00	1,47,000.00
					CGST %	9.00%	13,230.00
					SGST %	9.00%	13,230.00
					Total		1,73,460.00

भारत सरकार Government of India
विद्युत मंत्रालय Ministry of Power
क्षेत्रीय निरीक्षण संगठन
Regional Inspectorial Organisation
केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority
एन ई आर पी सी कॉम्प्लेक्स, डोंग पारमाओ, लापालांग, शिलांग-७९३००६,मेघालय
NERPC Complex, Deng Parmaw, Lapalang, Shillong-793006, Meghalaya
Phone No: 0364-2534082 , 2534024, Email : rionershillong@gmail.com

सं./ No. RIO/NER/NEEPCO/RHEP/33kV Ss/433 Date: 22.09.2022

To

The General Manager,
Dikrong Power Station, Hoj,
North Eastern Electric Power Co. Ltd.,
Dist: Papum Pare, Yazali,
Arunachal Pradesh – 791 119

Sub: Under **Regulation 43 of Central Electricity Authority (Measures Relating to Safety & Electric Supply) Regulation 2010** (as amended) – statutory inspection of 33/11kV Sub-station with associated 33kV Switchyard of NEEPCO at Hoj, RHPS, Yazali. Arunachal Pradesh and **approval for energisation.**

Ref: (1) Online application no. **A/2022/10146** dated 05.08.2022.
(2) Inspection report vide letter no RIO/NER/NEEPCO/RHEP/33kV Ss /397 dated 26.08.2022.
(3) Compliance report no. RHEP/DGM(E)/PH&SY(O&M)/T-7!(M)/2022-23/474 dated 16.09.2022.

Sir,

With reference to the letters cited above, approval is hereby granted to energize the 33/11kV Sub-station with associated 33kV Switchyard of NEEPCO at Hoj, RHPS, Yazali. Arunachal Pradesh as per the list of equipments submitted along with the aforesaid inspection report.

This approval is strictly valid subject to your full compliance with the relevant provisions of the Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations 2010 (as amended time to time) in every respect. Consistent compliance of the aforesaid provisions shall be ensured for safety in operation and maintenance of the above electrical installations in all times.

Inspection of the aforesaid electrical installations was carried out by the undersigned on **23.08.2022**. *The equipment shall be due for periodical inspection under Regulation 30 after two years from the date of this inspection. This periodicity is subject to change by Government of India notification.*

THIS APPROVAL IS VALID UPTO 22.08.2024 (22nd March, 2024)

22/09/2022

(जी। मेधी / G. MEDHI)
उप निदेशक / Deputy Director

Copy for Kind information:

The Chief Engineer (EI) CEA, NRPC bldg, 18-A, SS Marg, Katwaria Sarai, New Delhi – 110016

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
ISO 9001, 14001 & 45001
O/O THE SR.MANAGER(E/M)-II,DIKRONG POWER HOUSE
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO POWER STATION
पो० ओ० : रंगानदी परियोजना: P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश
HOJ: ARUNACHAL PRADESH -791119
Contact:9862972448
E-mail: tarhnaga@neepco.co.in

WORK COMPLETION CUM COMMISSIONING CERTIFICATE

***Name of Work**: Design, Engineering, Supply, Installation, Testing & Commissioning of 33KV & 33/11KV Substation at Dikrong Power House, Ranganadi Hydro Power Station, NEEPCO Ltd, Yazali, Arunachal Pradesh.*

***Work order No**: NEEPCO/RHEP/HOP/T-53/2021-22/727. Dtd: 26/08/2021*
AMMENDED SAP PO: 3700001836 DTD.25/03/2022
***Agreement No**: NEEPCO/RHEP/HOP/T-51/2021-22/129. Dtd: 02/09/2021*

*This is to certify that the Design, Engineering, Supply, Installation, Testing & Commissioning of 33KV & 33/11KV Substation including Supplementary Civil works have been done and completed on **14/09/2022**. The entire work is completed as per contract & agreement and to the full satisfaction of Engineer In-Charge and in line with the provisions of Central Electricity Authority (Measure Relating to Safety and Electric Supply), Regulations, 2010 made under section 53 of the Electricity Act 2003 and is carried out by the Licensed Electrical Contractor M/s P.N. Associate, Naharlagun under the direct supervision of a person holding a certificate of competency and by the persons holding work permit and under the supervision of NEEPCO Engineers.*

(Tarh Nagar)

JE (E/M)
400KV Reactor Bay Extension
& 33 KV S/S Works, Hoj
RHPS, NEEPCO Ltd

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346,E-Mail: tanyataji@neepco.co.in

Purchase Order-3700003760 / Dt : 05.12.2022

To,

Vendor Name	:	T.J.Enterprise
Vendor Code	:	300180
Address	:	,
	:	YAZALI,- 791119 Arunachal Pradesh, India
Contact No	:	8732098553
Email ID	:	lishibaka83@gmail.com,
PAN No.	:	AJEPB9240Q
GSTIN No.	:	12AJEPB9240Q2Z4

Sub: Construction of RCC Retaining Wall for 33KV & 33/11KV Switchyard at Dikrong Power House,Hoj, RHPS, NEEPCO Ltd.,A.P.

Ref: 1.LNIT No.05 of 2022-23/Dikrong Power House Dtd.14/10/2022

Dear Sir/Madam,

With reference to the above LNIT, the work for " Construction of RCC Retaining Wall for 33KV & 33/11KV Switchyard at Dikrong Power House,Hoj, RHPS, NEEPCO Ltd.,A.P", the undersigned on behalf of the North Eastern Electric Power Corporation Ltd., 405 MW Ranganadi Hydro Power Station(hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the execution of work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000406	Earthwork in ex F/trench:Soil>50%Shingle	580.800	M3	Basic Price	214.08	1,24,326.05
					CGST %	9.00%	11,189.00
					SGST %	9.00%	11,189.00
					Total		1,46,704.05
10.2	10000577	Prov lay in Found & Plin Cemen Con 1:4:8	17.380	M3	Basic Price	5,218.55	90,696.40
					CGST %	9.00%	8,163.00
					SGST %	9.00%	8,163.00
					Total		1,07,024.40
10.3	10000680	Reinforcement for RCC work -TOR	8963.580	KG	Basic Price	79.35	7,11,260.07
					CGST %	9.00%	64,013.00
					SGST %	9.00%	64,013.00
					Total		8,39,286.07
10.4	10001154	Centering and shuttering in walls	607.750	M2	Basic Price	425.50	2,58,597.63
					CGST %	9.00%	23,274.00
					SGST %	9.00%	23,274.00
					Total		3,05,145.63
10.5	10001251	RCC work in Walls column1:1.5:3	133.710	M3	Basic Price	8,716.14	11,65,435.08
					CGST %	9.00%	1,04,889.00
					SGST %	9.00%	1,04,889.00
					Total		13,75,213.08
10.6	10000614	Weep Holes	56.000	EA	Basic Price	156.00	8,736.00
					CGST %	9.00%	786.00
					SGST %	9.00%	786.00
					Total		10,308.00

APPD 1108

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3600000488 / Dt : 01.11.2021

To,
Vendor Name : GLOCON
Vendor Code : 100769
Address : ,
: TINSUKIA,- 785125 Assam, India
Contact No :
Email ID : ,
PAN No. : ABMPA8927H
GSTIN No. : 18ABMPA8927H2ZD

Sub:
This is reference to the Legacy PO No-RHEP/DGM(E)/PH&SY(O&M)/T#24(M)/21#22/1283 Dtd 01.11.2021

Ref:

Dear Sir/Madam,

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10		53 MVA Sirgle Phase GT	1.000	NO	Basic Price	5,53,77,564.00	5,53,77,564.00
					IGST %	18.00%	99,67,961.52
					Total		6,53,45,525.52
					Total Basic Price		5,53,77,564.00
					Total IGST %		99,67,961.52
					Total PO Val.		6,53,45,525.52

SIX CRORE FIFTY THREE LAKH FORTY FIVE THOUSAND FIVE HUNDRED TWENTY FIVE Rupees FIFTY TWO Paise Only

TERMS AND CONDITIONS

1. Scope:
2. Value:
3. Price Basis:
4. Taxes:
5. Contract Performance Guarantee/Security Deposit:
6. Delivery Period/ Completion Time/ Contract Period:
7. Consignee (Storage Location address) /Engineer In-charge:
8. Payment Terms:
9. Paying Authority:
10. Guarantee/Warranty:
11. Penalty/Liquidated Damages:
12. Jurisdiction of Court:
13. Other Terms & Conditions:

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(भारत सरकार का उद्यम) (A Govt. of India Enterprise)

O/O THE DGM (E/M) : PH&SY(O&M)

रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT

पो० ऑ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT

होज: अरुणाचल प्रदेश

HOJ: ARUNACHAL PRADESH -791119

Ph No. 03809-244346 (O)

E-mail: tanyata@neepco.co.in

ISO 9001, 14001 & 45001

1106

NO. RHEP/DGM(E/M)/PH&SY(O&M)/T-24(M)/21-22/ 1263 Date : 01-11-2021

Asset Id : 13102

To,

M/S GOLOCON,
Manav Kalyan Namghar Road,
Near Namghar, Tinsukia- 786 125 (Assam)

SUB: ORDER FOR DESIGN, MANUFACTURING, ASSEMBLING, TESTING, PACKING & FORWARDING AND SUPPLY OF CGL MAKE 53MVA , SINGLE PHASE, 11/132KV GENERATOR TRANSFORMER AND ITS ACCESSORIES FOR DIKRONG POWER STATION, RHEP, NEEPCO LTD.

Ref: -
1. Offer No. YE/PS/DT/NEEPCO/20-21/2121 Dtd. 16.01.2021
2. Offer No. YE/PS/DT/NEEPCO/20-21/2121/R1 Dtd. 07.06.2021.
3. Record Notes of Discussion between NEEPCO and with M/s CG POWER AND INDUSTRIAL SOLUTIONS IMITED (CGPISL) & GLOCON (Business Associate)
4. LOI No- RHEP/DGM(E/M)/PH&SY(O&M)/T-24(M)/21-22/1152 Dtd.30.09.2021

Dear Sir(s),

With reference to above, the Corporation is pleased to place this order for Design, manufacturing, assembling, testing, packing & Forwarding and supply of CGL Make 53 MVA, Single Phase, 11/132KV Generator Transformer and its accessories for Dikrong Power House, Ranganadi Hydro Electric Plant, NEEPCO Ltd, Arunachal Pradesh as per scope of work, specifications, prices, quantity and detailed Terms & Condition indicated below.

Sl. No.	Description	Qty	Price (₹)	Total Amount (₹)
1	Design, Engineering, manufacturing, assembly, testing, packing & forwarding and supply of 53MVA, 11/132KV, 50Hz,Single Phase Generator Transformer with first filling of oil with 10% extra transformer oil and including fittings listed in Annexure excluding GST and F&I charges.	1 No	4,54,53,750.00	4,54,53,750.00
			Total ₹	4,54,53,750.00

(Rupees Four Crore Fifty four Lakh Fifty Three Thousand Seven Hundred Fifty Only)

SCOPE OF WORK: The scope of work includes the design, manufacture, assembling, shop testing, packing & forwarding , supply & delivery of 1 (One) Number of CGL Make 53 MVA, Single Phase, 11/132KV Generator Transformer and its accessories with first filling of oil with 10% extra transformer oil. The details of Schedule of Guaranteed & Technical Particulars will be same as per existing CGL make Generator Transformer.

TERMS & CONDITIONS

1. **PRICES:** Prices indicated is a basic price and at FOR Ex Works Mandideep, Bhopal basis exclusive of GST and freight & Insurance charges.

2. **PRICE VARIATION:** The price variation under this contract shall be regulated as per IEEMA Price variation for transformer and enclosed in Annexure.

3. **ORDER VALUE:** ₹ 4,54,53,750.00 (Rupees Four Crore Fifty four Lakh Fifty Three Thousand Seven Hundred Fifty) only exclusive of GST and F&I charges.

Contd.... P/2

सं. 20/4/2019-ओएम
भारतसरकार
Government of India
विद्युत् मंत्रालय
Ministry of Power
श्रमशक्तिभवन, रफ़ीमार्ग, नयीदिल्ली-110 001
Shram Shakti Bhawan, Rafi Marg, New Delhi-110 001

Dated 28th August, 2019

OFFICE MEMORANDUM

Subject:- Minutes of Meeting taken by Hon'ble MoSP (I/C) on 1st August, 2019 to review the Crisis and Disaster Management Plan for Power Sector.-reg.

Please find enclosed herewith a copy of the minutes of the meeting on the above subject held on 01.08.2019 under the Chairmanship of Hon'ble MoSP (I/C) for necessary action.

Encl: as above

(D. Guha)
Under Secretary to Govt. of India
Tele/Fax: 23719229
Email id:-opmonitor-power@nic.in

1. Chairman, CEA, Sewa Bhawan, R.K. Puram, New Delhi-110066

Copy to:

PS to Hon'ble MoSP (I/C)/PPS to Secy (P)/PPS to AS (SNS)/PS to CE (OM)/PS to DS (OM)

Mem (Plg) | Mem (Hyd) | Mem (Th) | Mem (PS) | Secy. CEA

To coordinate

CE (IT)

Minutes of the Meeting held on 01.08.2019 on Crisis and Disaster Management Plan for Power Sector

A meeting was held under the chairmanship of Hon'ble Minister of State (IC) (Power, New & Renewable Energy) on 01.08.2019 in the Ministry to review the crisis and disaster management plan for the power sector. The plan has been revised by Central Electricity Authority (CEA) in consultation with NTPC, NHPC, POSOCO, and POWERGRID in accordance with observations received from National Disaster Management Authority (NDMA). CEA made a presentation on the revised plan.

2. It was observed by the Hon'ble Minister that the plan touches upon the generic issues of crisis & disaster situations in the power sector and does not provide the detailed and specific guidelines about the steps required to be taken by the power utilities in case of an adverse eventuality. It was submitted that CEA has prepared sector-specific disaster management plan for Hydro, Thermal, Distribution, Transmission, and Renewables in addition to this all-encompassing generic plan of the entire power sector. These documents spell out the steps need to be taken by the different power utilities in the event of any emergency. Once the generic plan is approved the sector specific plans will also be revised accordingly.

3. CEA informed that as per the provisions of Crisis & Disaster Management Plan of the power sector, all the power utilities (Centre, States or Private) are required to prepare their own crisis and disaster management plans in consonance with the generic plan of the sector keeping in view their own vulnerability towards specific crisis & disaster situations. CEA was directed to seek information from all the power utilities in this regard and make an effort to ensure that each one has prepared the Plan.

4. Hon'ble Minister expressed concern on the vulnerability of the power infrastructure of the country towards cyber-attack particularly in view of the involvement of foreign suppliers in the installation of the equipment. Secretary (Power) enquired whether there is an integrated CERT for the Power Sector. It was informed that as per the directives of GoI/CERT-In, Ministry of Power has created four sectoral CERTs in addition to CSIO for power sector, namely

- CERT – Thermal- NTPC
- CERT – Hydro- NHPC
- CERT – Transmission- POWERGRID
- CERT – Distribution- DP&T Division CEA
- CSIO- Chief Engineer(IT), CEA

It was decided that that there should be a regular audit of the power sector infrastructure from cyber security point of view. It was emphasized that the cyber security threat to the power sector has to be dealt comprehensively and for this, there is a need to strengthen the IT division of CEA. Secretary (Power) stated that in view of the importance of cyber

security and the vulnerability of the power sector infrastructures towards the cyber-attacks, CEA should propose for creating a separate wing along with a post of Member (IT).

5. CEA was asked to sensitize all power establishments particularly the hydro power stations regarding the threat of possible terrorist attacks and consequent preparation required such as enhancement in the security measures, mock drill exercises, safety measures etc. for dealing with the contingency.

6. During the discussion on disaster mitigation strategies, Secretary (Power) opined that all construction-related measures recommended in the plan such as no generation project should be located within the flood zone. Substations of transmission & distribution network should be built on a raised platform above-defined flood level. Flood-walls should be established around the substation. Power installations must either be located to avoid high seismic zones or must be designed based on relevant BIS Code to withstand earthquake. Site-specific seismic studies of the project area for hydro power projects etc. are required to be added in the relevant CEA regulations viz. CEA Technical Standard for Construction of Power Plants and Electrical Lines.

7. Hon'ble Minister raised the concern of delays observed in arranging spare/restoration equipment during an eventuality and therefore, there is an urgent need to reduce the overall response time for this. He directed CEA to take up the issue of availability of spare and inventory management with the power utilities. He suggested for preparing standardized inventory lists of the minimum spares requirement specific for similar kind of power establishments and setting up a monitoring mechanism for ensuring its compliance. He also directed for ensuring mandatory digitization of spare management by all the power utilities.

8. . To reduce the usage of the water and to use it efficiently, Tariff Policy notified by GoI in 2016 stipulate that the thermal power plant(s) including the existing plants located within 50 km radius of sewage treatment plant of Municipality/local bodies/similar organization shall in the order of their closeness to the sewage treatment plant, mandatorily use treated sewage water produced by these bodies. Hon'ble Minister directed that CEA should ensure that all the thermal power plants are established in accordance with this provision.

9. Hon'ble Minister enquired about the steps taken to avoid the reoccurrences of the type of the grid disturbance which the country had witnessed in July 2012. Chief Engineer(OM, R&R) informed that all the major step recommended by the enquiry committee have already been taken except for the response of the generator on Free Mode Governor of Operation(FGMO) and Restricted Mode of Governor Operation(RGMO) by the generators. In this regard, Hon'ble Minster directed for an audit on quarterly basis to ensure FGMO/RGMO function as per the requirement of the by CEA.

The meeting ended with vote of thanks to the chair.

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: anyataji@neepco.co.in

Purchase Order-3700003265 / Dt : 11.10.2022

To,

Vendor Name	:	Nissin ABC Logistics Pvt. Ltd.
Vendor Code	:	100213
Address	:	,
	:	KOLKATA,- 700016 West Bengal, India
Contact No	:	
Email ID	:	,
PAN No.	:	AABCN0379D
GSTIN No.	:	19AABCN0379D1ZL

Sub: Order for Transportation with Transit Insurance of CGL make 53MVA,11/132kV Single Phase Generator Transformer and its accessories from M/s CG Power & Industrial Solutions Ltd Power Transformer Division

Ref:
1. NIQ No. RHPS/PH&SY(O&M)/02/22-23 Dated 20/09/2022.
2. NIQ Time Extn : Dtd. 26/09/2022
3. Your offer vide mail Dtd. 29/09/2022

Dear Sir/Madam,

The Corporation is pleased to place this order for Transportation with Transit Insurance of CGL make 53MVA,11/132kV Single Phase Generator Transformer and its accessories from Mandideep, Madhya Pradesh to RHPS, Dikrong Power House site, Hoj, Arunachal Pradesh as per rates, scope of work and terms & conditions as indicated.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	20000526	Transportation of material	1.000	LS	Basic Price	22,95,000.00	22,95,000.00
					CGST %	6.00%	1,37,700.00
					SGST %	6.00%	1,37,700.00
					Total		25,70,400.00
20.1	20000526	Transportation of material	1.000	LS	Basic Price	3,09,000.00	3,09,000.00
					CGST %	6.00%	18,540.00
					SGST %	6.00%	18,540.00
					Total		3,46,080.00
30.1	20000526	Transportation of material	1.000	LS	Basic Price	2,10,000.00	2,10,000.00
					CGST %	6.00%	12,600.00
					SGST %	6.00%	12,600.00
					Total		2,35,200.00
					Total Basic Price		28,14,000.00
					Total CGST %		1,68,840.00
					Total SGST %		1,68,840.00
					Total PO Val.		31,51,680.00

THIRTY ONE LAKH FIFTY ONE THOUSAND SIX HUNDRED EIGHTY Rupees Only

TERMS AND CONDITIONS

1. Scope:

The Scope of works under this contract shall include Transportation with Transit Insurance of CGL make 53MVA,11/132kV Single Phase Generator Transformer and its accessories from M/s CG Power & Industrial Solutions Ltd Power Transformer Division T-3, Mandideep (Bhopal), Madhya Pradesh to RHPS, Dikrong Power House site, Hoj, Arunachal Pradesh including any interim handling. The consignment shall be transported by 3(three) different vehicles without any transshipment.
The whole consignments shall be covered under Transit Insurance Policy which is to be insured by you before the dispatch of the Materials. The Transit Insurance of whole consignments shall have the validity period till delivery of materials in full & good condition at Dikrong Power House site, Hoj, Arunachal Pradesh

The unloading of the materials at Power House shall be done departmentally.

2. Value:

Rs 31,51,680.00 (Rupees Thirty One Lakhs Fifty One Thousand Six Hundred Eighty) only. The value is inclusive of applicable GST and statistical & stationary charges. However, the cost of Transit Insurance is not included in this price. The prices shall remain firm till the completion of job.

3. Price Basis:

4. Taxes:

GST value is included in the price. The present rate of GST is 12%. Please provide your GST number in the bill. Our GSTIN No -12AAACN9991J4Z0

5. Contract Performance Guarantee/Security Deposit:

6. Delivery Period/ Completion Time/ Contract Period:

The vehicle/Trailers must be placed to the lifting point in minimum possible time of 2-3 days preferably within 1(one) week from the date of issue of this order and transportation shall be completed within reasonable time from the date of dispatch from the lifting points.

7. Consignee (Storage Location address) /Engineer In-charge:

The Sr. Manager (E/M)-III, Dikrong Power House, RHPS, NEEPCO Ltd., Hoj (Yayee),Dist: Papum Pare, Arunachal Pradesh-791112.

8. Payment Terms:

100% payment shall be made after receipt of materials in full and good condition at our Dikrong Power House site, Hoj, A.P.
You are requested to submit your bill in triplicate to the Consignee for effecting payment.
You are also requested to submit the following details along with your Bill / Invoice for e-payment:
i) Name & complete address of the firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

9. Paying Authority:

The Manager (Fin), Finance & Accounts Wing, RHPS, NEEPCO Ltd, Yazali, P.O. Ranganadi Project, PIN # 791 119, Dist-Lower Subansiri, Arunachal Pradesh.

10. Guarantee/Warranty:

11. Penalty/Liquidated Damages:

12. Jurisdiction of Court:

13. Other Terms & Conditions:

Mode of Transport: The consignment shall be transported by road on 3(three) different Vehicles basis without transshipment from lifting point i.e. Mandideep (Bhopal) Madhya Pradesh to delivery point i.e. Dikrong Power House, Ranganadi Hydro Power Station, NEEPCO Ltd. Hoj, Dist.: Papum Pare, Arunachal Pradesh, India.

Lifting Point: The main unit of CGL make 53MVA,11/132kV Single Phase Generator Transformer, its accessories like Pipeline, Conservator, Header, Bushing & 18(Eighteen) nos of Transformer Oil Drum should be lifted from the works of M/s CG Power & Industrial Solutions Ltd Power Transformer Division T-3, Mandideep(Bhopal) Madhya Pradesh. Contact person Medam Ritika Kesharawani, Marketing, CGL, Mandideep-462046, Bhopal Madhya Pradesh Mobile No. 9131893090 & 07480-408201/202.

Detention charge: In case vehicle is detained due to Corporation#s fault for a period exceeding 24 Hrs, detention charges @'. 3500/- per day per Trailer for High bed Trailer and '. 20000/- per day per Trailer for Hydraulic axle Trailer and '. 2500/- per day per Truck for SXL Truck shall be applicable. In such case, the Transporter has to submit documentary evidence in support of their claim.

Insurance: The whole consignments shall be covered under Transit Insurance Policy through nationalized Insurance companywhich is to be insured by you before the dispatch of the materials. You are requested to provide a copy of the insurance Policy along with the invoice copy of Insurance company. Cost of the Transit Insurance of the whole consignment shall be paid extra as per actual on production/submission of Invoice and Insurance Policy. Please intimate the details of dispatch with a copy to this office.

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature)

Name :
Designation : Sr. Manager(E/M)-II,##Dikrong Power House, RHPS##NEEPCO Ltd., Hoj, A.P.

Mobile No :
Email ID :

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: anyataji@neepco.co.in

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	20000526	Transportation of material	1.000	LS	RHEP
20.1	20000526	Transportation of material	1.000	LS	RHEP
30.1	20000526	Transportation of material	1.000	LS	RHEP

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3600000721 / Dt : 03.03.2022

To,

Vendor Name	:	Industrial Equipment
Vendor Code	:	101537
Address	:	,
	:	GUWAHATI,- 781001 Assam, India
Contact No	:	03612541063
Email ID	:	ieghty@gmail.com,
PAN No.	:	ADGPK1676B
GSTIN No.	:	18ADGPK1676B1ZQ

Sub:
ORDER FOR SUPPLY OF BCH MAKE 225 KW COOLING WATER PUMP_MOTOR PANEL OF RANGANADI H.P. STATION.

Ref:
1. Letter No- RHEP/DGM(E)/PH&SY(O&M)/T- 90 /2020-21/1752 Dtd 30/12/2020
2. Offer No-BCH/NEEPCO/CP/8804 dtd 02/11/2021
3. Email dated 03/11/2021 & 09/11/2021

Dear Sir/Madam,
The Corporation is pleased to place this order for supply of BCH Make 225KW Cooling Water Pump-Motor Control Panel of Dikrong Power House, Ranganadi Hydro Power Station as per specifications, price schedule and detailed Terms & Condition indicated below.

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10		BCH Make Cooling Water Control Panel	1.000	NO	Basic Price	8,57,945.00	8,57,945.00
					Discount % on Gross	1.15-%	9,866.37-
					IGST %	18.00%	1,52,654.16
					Total		10,00,732.79
20		BCH Make Cooling Water Control Panel	1.000	NO	Basic Price	8,57,945.00	8,57,945.00
					Discount % on Gross	1.15-%	9,866.37-
					IGST %	18.00%	1,52,654.16
					Total		10,00,732.79
30		BCH Make Cooling Water Control Panel	1.000	NO	Basic Price	8,57,945.00	8,57,945.00
					Discount % on Gross	1.15-%	9,866.37-
					IGST %	18.00%	1,52,654.16
					Total		10,00,732.79
40		BCH Make Cooling Water Control Panel	1.000	NO	Basic Price	8,57,945.00	8,57,945.00
					Discount % on Gross	1.15-%	9,866.37-
					IGST %	18.00%	1,52,654.16
					Total		10,00,732.79
					Total Basic Price		34,31,780.00
					Total Discount % on Gross		39,465.48-
					Total IGST %		6,10,616.64
					Total PO Val.		40,02,931.16

FORTY LAKH TWO THOUSAND NINE HUNDRED THIRTY ONE Rupees SIXTEEN Paise Only

TERMS AND CONDITIONS

1. Scope:
SCOPE OF SUPPLY: The scope of works under supply shall include the supply of 225KW Cooling Water Pump Motor Control Panel and its

accessories as per enclosed BOM. The Control Panel shall be at par with our existing Panel with a 630A MCCB Capacity. The accessories required to be fitted in the control panel shall also be as per existing control Panel. The GA drawing are to be supplied shall be as per our existing drawing so that its suitable fixed in the existing cutout. The bill of material of the cooling water panel is enclosed in Annexure-A.

2. Value:
Rs 40,02,931.00 (Rupees Forty Lakh Two Thousand Nine Hundred Thirty One) only inclusive of GST as indicated above.

3. Price Basis:
The rates are at FOR Ex Works Faridabad basis inclusive of GST as indicated above. The rates shall remain firm till completion of supply.

4. Taxes:
Good & Service Taxes (GST): GST shall be paid extra on the supply at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill. Our GSTIN No-12AAACN9991J4Z0

5. Contract Performance Guarantee/Security Deposit:

6. Delivery Period/ Completion Time/ Contract Period:
Delivery: The material shall be delivered within 24 (Twenty Four) weeks from the date of approval of drawing. However all efforts should be made to supply the materials as early as possible.

7. Consignee (Storage Location address) /Engineer In-charge:
The Manager (E), PH Store , RHEP, Hoj, Papumpare Dist, Arunachal Pradesh-791112. You are requested to submit bill in triplicate to the consignee for effecting payment.

8. Payment Terms:
8. Payment: 100% payment shall be made after receipt of materials at site in full & good condition.
You are requested to submit your bill in triplicate to the Consignee for effecting e-payment with the following details.
i) Name & complete address of the firm as per bank record.
ii) complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable
viii) E-mail address of the Verdor/authorized official along with Mobile No. (For receiving the update status of payment).

9. Paying Authority:
The Manager (Finance), F & A Wing, RHEP, NEEPCO Ltd. , Yazali, Pin # 791 113, Arunachal Pradesh.

10. Guarantee/Warranty:
Guarantee/Warantee: The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/ replacement free of cost by the supplier. All incidental cost of such repair/ replacement shall be to the supplier#s account. If any defect be not remedied/replaced within a reasonable time the purchaser may proceed that material at supplier#s risk and expenses.

11. Penalty/Liquidated Damages:
Liquidated Damage: If the firm fail to supply material within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order subject to force majeure.

12. Jurisdiction of Court:

13. Other Terms & Conditions:
Discount: Discount @ 1.15 % (One Point One Five percent) shall be applicable as indicated above.

Drawing: The supplier shall submit detailed drawing of 225 KW Cooling Water Pump-Motor Control Panel with dimensions & specification within one month from the date of issue of this order for approval from this end. The manufacturing/fabrication of the materials shall be started only after approval of drawing.

Freight & Insurance: The material may please be dispatch through any reputed transporter or courier to the having branch office noamely to Dikrong Power House, NEEPCO Ltd, Hoz, Arunachal Pradesh on "Freight to Pay Basis" or "Freight paid basis" which shall

be reimbursed at actual on production of documentary evidence along with the bill. Our Nearest transport Head is North Lakhimpur, Assam or Naharlagun, A.P.

Transit Insurance of materials shall be covered under our open marine policy No. 53010421150200000002 (Marine Cargo) of New India Assurance Co. Ltd., North Lakhimpur (Assam), Fax No. 03752-222262. Please intimate the above under writer the details of dispatch with a copy to this office.

Materials & Workmanship: All materials shall be of best quality and workmanship capable of satisfactory operation under the operating and atmospheric conditions prevailing at site. Unless otherwise specified they shall conform in all respect to the requirements of the latest edition of relevant IS and shall match with the existing equipment as per the drawing enclosed. The materials not conforming as per drawing shall be summarily rejected and rejected materials shall be taken back by you without any cost to the Corporation.

Inspection: Inspection and testing of the 225 KW Cooling Water Pump-Motor Control Panel shall be carried out at the works of Principal in presence of our representative before dispatch of materials and Test Certificate should be submitted along with your bill. Please intimate this Office regarding readiness of the materials for deputing our representative. All the arrangement for inspection & test shall be arranged by you. However, the Corporation reserves the right to waive this inspection.

Packing & Marking: The supplier shall be responsible for securely protecting and packing the materials taking special care for protruding parts & such other vulnerable parts as per prescribed standard to withstand the journey ensuring the safety of the equipment without any extra cost to the corporation. The consignment shall be clearly super scribed with the address of consignee.

Force Majeure : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor#s employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor#s negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

Arbitration:

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature) 3/8/22

Name :

Designation :DGM (E/M)##PH & SY (O&M), RHPS,##NEEPCO Ltd, Hoz, AP

Mobile No :

Email ID :

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Material and Consignee Details

Line Item	Material Code	Material Long Text	Qty.	UOM	Plant
10			1.000	NO	RHEP
20			1.000	NO	RHEP
30			1.000	NO	RHEP
40			1.000	NO	RHEP

Annexure-A

Bill of Materials

Description	Make	Qnty
Incomer		
630A TP MCCB 50kA with S/C Protection, Magnetic Based Release with ROH	BCH	1
16A TP Power Contactor AC3 2NO+2NC	BCH	1
550A TP Power Contactor AC3 2NO+2NC	BCH	3
17.4-24A Thermal Overload Relay	BCH	1
263.2-420A Thermal Overload Relay	BCH	1
Aux. Contactor 2NO+2NC 240V AC	BCH	2
Aux. Contactor 4NO+4NC 240V AC	BCH	8
Pneumatic Timer (0-60 Sec)	BCH	4
Synchronous Timer (6-120HRS)	BCH	1
Push Button 1NO+1NC	BCH/Esbee/Teknic	8
Push Button O/L Reset	BCH/Esbee/Teknic	2
Indicating Lamps, LED Type	BCH/Esbee/Teknic	9
Selector Switch	BCH/Kaycee/Salzer	3
Voltmeter 0-500V 96x96mm	Rishabh/AE/Conzerv	1
4 Position with Off Voltmeter Selector Switch	Kaycee/Salzer	1
Ammeter 0-400A 96x96mm	Rishabh/AE/Conzerv	1
4 Position with Off Ammeter Selector Switch	Kaycee/Salzer	1
Current Transformer, 400/5A Cl-1, 15VA Resin Cast	Precise/Indcoil/G&M	1
Control Transformer, 415/240V AC, 250VA, Tap Of +/-2.5% & +/-5%	Precise/Indcoil/G&M	2
HRC Control Fuse Unit	BCH/L&T/ABB	9
Panel Illumination Light / Heater Ckt.		
16A DP MCB 10KA C-Curve	BCH/L&T/ABB/ Schneider	2
Illumination Light (CFL Fitting) 230V AC	Reputed	2
Door Switch 1COS	Reputed	2
Space Heater 230V AC	Reputed	2
Thermostat (05-75 Degree Centigrade)	Reputed	2
Fabrication Size		
1400x1800x400 mm (2mm CRCA IP-54 Protection Paint RAL-7035)	BCH	1

DGM (E/M)
PH & SY (O&M), RHPS

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
PANYOR LOWER HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: anyataji@neepco.co.in

Purchase Order-3700004827 / Dt : 14.02.2023

To,

Vendor Name	:	PES Engineers Pvt. Ltd
Vendor Code	:	101623
Address	:	,
	:	HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	8732034378
Email ID	:	ranganadi@peseng.net,
PAN No.	:	AABCP4220B
GSTIN No.	:	12AABCP4220B1ZD

Sub: ORDER FOR INSTALLATION, TESTING. COMMISSIONING, POWER CABLE LYING, GLANDING AND TERMINATION OF 04 (FOUR) NOS COOLING WATER MOTOR CONTROL PANELS OF PANYOR LOWER HYDRO POWER STATION.

Ref: (1) Offer No. PESEPL/RHPS/F-15/2022-23/43 Dtd. 25.11.2022.
(2) Administrative Approval vide HOP#s UO No. 2637 Dtd. 19/01/2023
(3) HoP's Approval Dated 10/02/2023 Time: 20:33:13 Hrs.

Dear Sir/Madam,
The Corporation is pleases to place this Order for complete installation,Testing, Commissioning, Power cable lying, Glanding, Termination of 04 (four) nos. cooling water motor control panel of Dikrong Power Station, PLHPS, A.P., as per rates , scope of work and terms & conditions indicated below.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	20000228	Maintenance:Other Plant&Mach.: LS basis	1.000	LS	Basic Price	3,50,000.00	3,50,000.00
					IGST %	18.00%	63,000.00
					Total		4,13,000.00
					Total Basic Price		3,50,000.00
					Total IGST %		63,000.00
					Total PO Val.		4,13,000.00

FOUR LAKH THIRTEEN THOUSAND Rupees Only

TERMS AND CONDITIONS

1. Scope:

The Scope of work is critically analyzed as indicated below.
(1) Fabrication of 04 (four) nos cooling water motor control panel stand and there after painting and fixing it in the cooling water floor.
(2) Shifting of 04 (four) nos new cooling water motor control panel to Cooling water floor.
(3) Shifting of 300 mm2, 500 mtrs. Power cable from Power House Store to Cooling water floor.
(4) Disconnection of existing 500 mm2, 225 mm2 cooling water old motor power cables.
(5) Dismantling of existing 04 (four) nos cooling water motor control panel and installation, fixing of new control panels.
(6) Removal of 02 (two) nos of 225 mm2 old power cable between control panel to motor terminals of each 04 (four) motor.
(7) Cable lying of 02 (two) nos of 300 mm2 from control panel to motor terminal of each 04 (four) motor.
(8) Cable glanding, termination of 500 mm2, 300 mm2 and control cables of 04 (four) nos cooling water motor control panel.
(9) Shifting of old control panel from cooling water floor to store yard and shifting of old 225 mm2 power cable from cooling water to store yard.

2. Value:

The contract value is Rs. 4,13,000.00 (Rupees Four Lakh Thirteen Thousand Only) inclusive of GST.

3. Price Basis:

4. Taxes:

Good & Service Tax (GST): GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill.Our GSTIN No-12AAACN9991J4Z0.

5. Contract Performance Guarantee/Security Deposit:

6. Delivery Period/ Completion Time/ Contract Period:

Time of completion: Complete installation,Testing, Commissioning, power cable lying, glanding, termination of 04 (four) nos. cooling water motor control panel of Dikrong Power Station, PLHPS, A.P., shall be completed within 10 (Ten) days from the date of handling over the site to you. Infact the work is completed in all respect.

7. Consignee (Storage Location address) /Engineer In-charge:

The Manager (E/M), PH&SY(M), Dikrong Power House, Hoj. The work shall be executed in consultation with consignee.

8. Payment Terms:

Payment Term: (a) 100% (One hundred percent) payment shall be made after successful completion of job and on full satisfaction of Engineer In Charge. You are requested to submit the EPF Challan along with proof of deposition of EPF of the engaged Engineer/Workmen.

You are also requested to submit either the following details along with your Bill / Invoice or your invoice should contain following details for e-payment:
i) Name & complete address of your firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit)
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable.
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).
ix) EPF Challan along with the proof of deposition of EPF for the engaged manpower.

9. Paying Authority:

The Manager(Fin), Finance & Accounts Wing , RHPS, NEEPCO Ltd, Yazali, Arunachal Pradesh.

10. Guarantee/Warranty:

11. Penalty/Liquidated Damages:

Liquidated Damage: If the firm fail to execute the work within the stipulated time as mentioned in this order than the corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5%(zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

12. Jurisdiction of Court:

13. Other Terms & Conditions:

1. Defect Liability: any defect during execution of work due to poor workman ship shall have to be remade/ rectify by you without any extra cost to corporation.

2.Any statutory rules & regulations as per labour law shall be applicable.

3.Force Majeure : The term "Force Majeure" shall, herein, mean riots (other than among the Contractor#s employees), Civil Commotion (to the extent not insurable) war (whether declared or not), Invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor#s negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

4.Arbitration : Any dispute in respect of which:

a) The decision, if any, of the Engineer-In-Charge has not become final.
b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:
The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act,1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

(Signature) SUNDAR MONI MOHAN Digitally signed by SUNDAR MONI MOHAN Date: 2023.02.14 18:59:52 +05'30'

Name : Sundar Moni Mohan

Designation : Sr. Manager (E/M)-I, PH & SY (M), PLHPS, NEEPCO Ltd., Hoj (A.P.)

Mobile : 08729901466
Email ID : sundarmoni@neepco.co.in

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
PANYOR LOWER HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: lanyata@neepco.co.in

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	20000228	SERVICE LONG TEXT: Maintenance:Other Plant&Mach.: LS basis	1.000	LS	PLHPS

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000011903	Goods Receipt Date	Nov 15, 2022
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location		-	
Delivery Note No		6981	
Vendor Address		101537 - Industrial Equipment ATRoad,Opp.Pan Bazar Flyover Guwahati Kamrup(M) Assam	
Transporter Name			
Vehicle Number		AS01DD8899	
L.R No		6981	
L.R Date		Oct 31, 2022	
PO Number	3600000721	PO Date	Mar 3, 2022

S.No	Material No.	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project Descrpt
1		BCH Make Cooling Water Control Panel	1	NO	1.000	0			
2		BCH Make Cooling Water Control Panel	1	NO	1.000	0			
3		BCH Make Cooling Water Control Panel	1	NO	1.000	0			
4		BCH Make Cooling Water Control Panel	1	NO	1.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

Deputy Manager (E/M
Power House Store
RHPS NEEPCO LTD

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No.273/GT/2019

Coram:

Shri P.K. Pujari, Chairperson
Shri I.S. Jha, Member
Shri Arun Goyal, Member

Date of Order: 7th June, 2021

IN THE MATTER OF

Petition for revision of tariff of Ranganadi Hydro Electric Project (405 MW) for the period 1.4.2014 to 31.3.2019 after truing-up exercise

AND

IN THE MATTER OF

North Eastern Electric Power Corporation Limited
Corporate Office: Brookland Compound
Lower New Colony, Shillong-793003 **...Petitioner**

Vs

1. Assam Power Distribution Company Limited
   "Bijulee Bhawan" Paltanbazar
   Guwahati-781001, Assam

2. Meghalaya Power Distribution Corporation Limited
   Lumjinshai, Short Round Road
   Shillong-799001, Meghalaya

3. Tripura State Electricity Corporation Limited
   Bidyut Bhavan, North Banamalipur
   Agartala-799001, Tripura

4. Power & Electricity Department
   Government of Mizoram
   New Secretariat Complex
   Kawlpetha, Aizwal-796001

5. Manipur State Power Distribution Company Limited
   3rd Floor, New Directorate Building, Near 2nd M.R. Gate
   Imphal-Dimapur Road, Imphal-795001, Manipur

6. Department of Power
   Vidyut Bhawan, Government of Arunachal Pradesh
   Itanagar-791111

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(A Govt. of India Enterprise)
O/O THE DGM (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो॰ ऑ॰ : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
जोनू: अरुणाचल प्रदेश HQ: ARUNACHAL PRADESH -791119
Ph No. 03869-244346 (O)
E mail: tanyata@neepco.co.in
ISO 9001, 14001 & 45001

18% advance bill paid

NO. RHEP/DGM(E/M)/PH&SY(O&M)/T-5(M)/21-22/ 1361 Date : 15/11/2021

dtd 29/11/21

To,
M/s Bharat Heavy Electricals Ltd
Spares & Service Business Group-Eastern Region
DJ-9/1, 3rd Floor, Karunamayee
Sector-II, Salt Lake City,
Kolkata – 700 091

P.O – 3600056S
Gala entry No – 1100000201
GRN - NO (5000010552)
50000 ; 0477'S

SUB: **ORDER FOR SUPPLY OF STATOR AIR COOLER , LP LUB OIL COOLER AND ITS TUBE BUNDLE FOR DIKRONG POWER HOUSE**

Ref:
1. Offer No. SB20K0209/HRG/BPH/0046 dtd. 16.07.21
2. Offer No. SB21K043/HRG/BPH/0047 dtd. 16.07.21
3. Email Dated 08/10/2021

FY 2022-2023 Annexure-26

Dear Sir(s),
The Corporation is pleased to place this order for supply of following Stator Air Cooler, LP Lub Oil Cooler and its Tube Bundle for Dikrong Power Station, Ranganadi HE Plant as per specifications, prices, quantity indicated in Annexure-A, Scope of Work and terms & conditions are given below.

A. SCOPE OF SUPPLY:

(i) The Scope of Supply under this contract includes the Design, Manufacturing, Shop testing at manufacturers works before dispatch, supply, Delivery at site of Stator Air Cooler, LP Lub Oil Cooler and its Tube Bundle for Dikrong Power House of Ranganadi H.E. Plant as per the detailed in the Schedule of Items & prices indicated in Annexure-A.

(ii) The Cooler under this contract shall have one to one matching with the mother equipment of Ranganadi HE Plant supplied by you.

(iii) In case of mismatching, the supplier shall be responsible for re-matching, re-manufacturing and supply of material without any additional cost to the corporation.

(iv) The quality and property of material shall be as per the original specification.

B. TERMS & CONDITIONS:

1. **Price:** The rates indicated above are at FOR Ex Works Bhopal basis inclusive of GST as indicated in annexure-A. The rates shall remain firm till completion of supply.

2. **Good & Service Taxes (GST):** GST shall be paid extra on the supply at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill. **Our GSTIN No-12AAACN9991J4Z0.**

3. **Order Value:** ₹ 3,63,57,216.00 (Rupees Three Crore Sixty Three Lakh Fifty Seven Thousand Two Hundred Sixteen) only inclusive of GST.

4. **Discount:** Discount @ 2% (Two percent) shall be applicable as indicated in Annexure-A.

5. **Delivery:** Delivery period of materials has been kept 12 (Twelve) Months from the date of issue of this order. However all efforts should be made to supply the materials as early as possible.

Contd...P/2

6. **Terms of Payment:** (A) 10 % (Ten percent) of basic of Value of PO shall be release as interest free advance without submission of BG which is around ₹ 30,81,120.00 (Rupees Thirty Lakh Eighty One thousand One hundred Twenty) only. You are requested to submit Invoice for release of 10% interest free advance

(B) Balance 90 % (ninety percent) payment along with 100% GST shall be made against receipt of material in full and good condition at site along with dispatch document with provision of part payment for part dispatch through direct payment.
You are requested to submit your bill in triplicate to the Consignee for effecting e-payment with the following details.

i) Name & complete address of the firm as per bank record.
ii) Complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

7. **Freight & Insurance:** Freight & Insurance Charges is under the scope of Corporation. Kindly intimate this office well in advance for arranging the Transporter and Transit Insurance.

8. **Test Certificate:** Manufacturer's Test Certificate of the Stator Cooler and LP Lub Oil Cooler as per relevant IS to be submitted along with the equipment.

9. **Guarantee/Warrantee :**The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier.
Failure / Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair / replacement free of cost by the supplier. All incidental cost of such repair / replacement shall be to the supplier's account. If any defect be not remedied/replaced within a reasonable time, the purchaser may proceed that material at supplier's risk and expenses.

10. **Packing & Marking:** The supplier shall be responsible for securely protecting and packing the materials taking special care for protruding parts & such other vulnerable parts as per prescribed standard to withstand the journey ensuring the safety of the equipment. The consignment shall be clearly super scribed with the address of consignee.

11. **Materials & Workmanship:** All materials shall be of best quality and workmanship capable of satisfactory operation under the operating and atmospheric conditions prevailing at site. Unless otherwise specified they shall conform in all respect to the requirements of the latest edition of relevant IS and shall match with as per the drawing. The materials not conforming as per drawing shall be summarily rejected and rejected materials shall be taken back by you without any cost to the Corporation.

12. **Paying Authority :** The Manager (Finance), F & A Wing, RHEP, NEEPCO Ltd., Yazali, Pin – 791 119, Arunachal Pradesh.

13. **Consignee :** The Manager (El), PH Store , RHEP, Hoj (Yayee) , Papumpare Dist, Arunachal Pradesh-791112, Contact No. 03809-244348

Contd P-3

14. **Force Majeure :** The term "Force Majeure" shall, herein, mean riots (other than among the Contractor's employees), Civil Commotion (to the extent not insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor's negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

15. **Arbitration:**

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.

b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act. No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

Please acknowledge receipt and acceptance of this order.

Thanking you.

Yours faithfully,

DGM (E/M)
PH & SY (O&M)
RHEP, NEEPCO Ltd., Hoj
Date: 15-11-21

Memo No RHEP/DGM(E/M)/PH&SY(O&M)/T-5(M)/21-22/ 1362-68

Copy to :-

1. The ED (O&M), Shillong for favour of kind information please. This has the reference to the CMD's approval conveyed vide email dated 10/11/2021.
2. The Head of Project, RHEP–for favour of kind information please. This has the reference to the CMD's approval conveyed vide email dated 10/11/2021.
3. GM-I (E/M), RHEP RHEP–for favour of kind information please
4. The Sr. Manager (C), Vigilance Wing, RHEP for information please.
5. The Manager (Finance), RHEP - for information & necessary action please.
6. The Manager (E/M), PH Store, Hoj, RHEP, AP for information & necessary action please.
7. The Manager (E), PH&SY(M), Hoj – for information & necessary action.

15/11

DGM (E/M)
PH & SY (O&M) RHEP.

Annexure-A

Sl No.	Description	Unit	Qty	Rate in ₹	Amount in ₹
1	Stator Air Cooler BHEL Internal Drg No-1-16600-40050 Title- General Arrangement of Air Cooler with a following specification mentioned in the name plate. (a)Heat Dissipation per Cooler-294 KW (b) Quantity of Air Flow in each cooler at cooled air Temp-582.5 m^3/min I Cool Air Temp-45°C (d) Air Temp Drop-15 mm OFWC I Quantity of Circulating Water:775 LPM (f) Circulating Water Inlet Temp-35°C (g) Circulating water pressure drop-2.8m of WC (h) No of tubes per cooler-123 (I) No of Water Pass-4 (j) Base Tube Material-90/10 Cu-Ni (k) Fin Material-Copper (l) Tube Plate Material-Mild Steel (m) Working Pressure-7Kg/cm^2 (n) Test Pressure-10.5 kg/ cm^2 (o) Weight-Empty-980Kg, Working-1100Kg (p) Overall Size-Width-2840mm, Depth-310mm, Height-1380mm Make-BHEL 0991900022	Nos	4	2415000.00	9660000.00
2	LP Lub Oil Cooler 0999 000023 Heat Dissipation Per Cooler (KW)-230 No of Tubes Per Cooler-540 Base Tube Material-90/10 Cu-Ni Tube Plate Material-MS Working Pressure (Kg/Cm^2) (a)Shell Side-7 Kg/Cm^2 (b)Tube Side-5 Kg/Cm^2 Test pressure (Kg/Cm^2) (a)Shell Side-10.5 Kg/Cm^2 (b)Tube Side-7.5 Kg/Cm^2 Overall Size-2800(L)X1000(W)X1450(H) BHEL Drg No-3-255-04-03505 Make-BHEL	Nos	1	3300000.00	3300000.00
3	Tube Bundle for above Cooler 22020 [illegible]	Nos	8	2310000.00	18480000.00
				Total in ₹	31440000.00
				Discount @2% in ₹	628800.00
				Total in ₹	30811200.00
				Add GST @18% in ₹	5546016.00
				Total in ₹	3,63,57,216.00

(Rupees Three Crore Sixty-Three Lakh Fifty-Seven Thousand Two Hundred Sixteen) only

8020150500 2940
8981950150 2300
[illegible]

DGM (E/M)
PH & SY (O&M) RHEP

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000010775	Goods Receipt Date	Oct 30, 2022
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location			
Delivery Note No		E270096020	
Vendor Address		101884 - SSBG-ER (BHEL), Kolkata DJ-9/1, 3rd Floor, Kolkata West Bengal	
Transporter Name			
Vehicle Number		MH40CD8223	
LR No.		E270096020	
LR Date		Jul 30, 2022	
PO Number	3000000565	PO Date	Nov 15, 2021

S No.	Material No	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
1		LP Lub Oil Cooler	1	NO	1.000	0			
2		Tube Bundle for LP Cooler	8	NO	8.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

Deputy Manager (E/M)
Power House Store
RHPS NEEPCO LTD.

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000010773	Goods Receipt Date	Oct 30, 2022
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location			
Delivery Note No		E270096020	
Vendor Address		101884 - SSBG-ER (BHEL), Kolkata DA-9/1, 3rd Floor, Kolkata West Bengal	
Transporter Name			
Vehicle Number		MH40CD9223	
L.R No.		E270096020	
L.R Date		Jul 30, 2022	
PO Number	3600004505	PO Date	Nov 15, 2021

S.No.	Material No	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
1		LP Lub Oil Cooler	1	NO	1.000	0			
2		Tube Bundle for LP Cooler	8	NO	8.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

Deputy Manager (E/M)
Power House Store
RHPS NEEPCO LTD.

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000011101	Goods Receipt Date	Nov 14, 2022
Consignee / Receiver Plant		1138 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location		-	
Delivery Note No		211530054	
Vendor Address		101884 - SSBC-ER (BHEL), Kolkata DJ-9/1, 3rd Floor, Kolkata West Bengal	
Transporter Name			
Vehicle Number		MP04GA3098	
L R No.		B-4200011811	
L R Date		Sep 30, 2022	
PO Number	3900000555	PO Date	Nov 15, 2021

S No	Material No	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
1	18C/185	Stator Air Cooler	4	NO	4.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

Deputy Manager (E/M)
Power House Store
RHPS NEEPCO LTD.

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/O THE DGM (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ऑ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश HOJ: ARUNACHAL PRADESH -791119
Ph No. 03809-244346 (O)
E mail: tariyata@neepco.co.in

ISO 9001, 14001 & 45001

16% advance bill paid

NO. RHEP/DGM(E/M)/PH&SY(O&M)/T-S(M)/21-22/ 1361 Date : 15/11/2021

dtd 20/11/21

To,
M/s Bharat Heavy Electricals Ltd
Spares & Service Business Group-Eastern Region
DJ-9/1, 3rd Floor, Karunamayee
Sector-II, Salt Lake City,
Kolkata – 700 091

P.O – 36 0000-565
Sub entry No – 1100000201
GRN-NO (5000010552)
50000 10473

SUB: **ORDER FOR SUPPLY OF STATOR AIR COOLER , LP LUB OIL COOLER AND ITS TUBE BUNDLE FOR DIKRONG POWER HOUSE**

Ref:
1. Offer No. SB20K0209/HRG/BPH/0046 dtd. 16.07.21
2. Offer No. SB21K043/HRG/BPH/0047 dtd. 16.07.21
3. Email Dated 08/10/2021

Dear Sir(s),
The Corporation is pleased to place this order for supply of following Stator Air Cooler, LP Lub Oil Cooler and its Tube Bundle for Dikrong Power Station, Ranganadi HE Plant as per specifications, prices, quantity indicated in Annexure-A, Scope of Work and terms & conditions are given below.

A. SCOPE OF SUPPLY:

(i) The Scope of Supply under this contract includes the Design, Manufacturing, Shop testing at manufacturers works before dispatch, supply, Delivery at site of Stator Air Cooler, LP Lub Oil Cooler and its Tube Bundle for Dikrong Power House of Ranganadi H.E. Plant as per the detailed in the Schedule of Items & prices indicated in Annexure-A.

(ii) The Cooler under this contract shall have one to one matching with the mother equipment of Ranganadi HE Plant supplied by you.

(iii) In case of mismatching, the supplier shall be responsible for re-matching, re-manufacturing and supply of material without any additional cost to the corporation.

(iv) The quality and property of material shall be as per the original specification.

B. TERMS & CONDITIONS:

1. **Price:** The rates indicated above are at FOR Ex Works Bhopal basis inclusive of GST as indicated in annexure-A. The rates shall remain firm till completion of supply.

2. **Good & Service Taxes (GST):** GST shall be paid extra on the supply at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill. **Our GSTIN No-12AAACN9991J4Z0.**

3. **Order Value:** ₹ 3,63,57,216.00 (Rupees Three Crore Sixty Three Lakh Fifty Seven Thousand Two Hundred Sixteen) only inclusive of GST.

4. **Discount:** Discount @ 2% (Two percent) shall be applicable as indicated in Annexure-A.

5. **Delivery:** Delivery period of materials has been kept 12 (Twelve) Months from the date of issue of this order. However all efforts should be made to supply the materials as early as possible.

Contd...P/2

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(भारत सरकार का उद्यम) (A Govt. of India Enterprise)
O/O THE DGM (E/M) : PH&SY(O&M)
रंगानदी जल विद्युत संयंत्र : RANGANADI HYDRO ELECTRIC PLANT
पो० ऑ० : रंगानदी परियोजना : P.O. : RANGANADI PROJECT
होज: अरुणाचल प्रदेश HOJ: ARUNACHAL PRADESH -791119
Ph No. 03809-214046 (O)
E mail: tanyatal@neepco.co.in

ISO 9001, 14001 & 45001

18% advance bill paid

NO. RHEP/DGM(E/M)/PH&SY(O&M)/T-5(M)/21-22/ 1361 Date : 15/11/2021

dtd 20/11/2021

To,
M/s Bharat Heavy Electricals Ltd
Spares & Service Business Group-Eastern Region
DJ-9/1, 3rd Floor, Karunamayee
Sector-II, Salt Lake City,
Kolkata – 700 091

P.O – 3600005365
Cola entry No – 1100000201
GRN - NO (5000010552)

SUB: **ORDER FOR SUPPLY OF STATOR AIR COOLER , LP LUB OIL COOLER AND ITS TUBE BUNDLE FOR DIKRONG POWER HOUSE**

50000 10773

Ref:
1. Offer No. SB20K0209/HRG/BPH/0046 dtd. 16.07.21
2. Offer No. SB21K043/HRG/BPH/0047 dtd. 16.07.21
3. Email Dated 08/10/2021

Dear Sir(s),
The Corporation is pleased to place this order for supply of following Stator Air Cooler, LP Lub Oil Cooler and its Tube Bundle for Dikrong Power Station, Ranganadi HE Plant as per specifications, prices, quantity indicated in Annexure-A, Scope of Work and terms & conditions are given below.

A. SCOPE OF SUPPLY:

(i) The Scope of Supply under this contract includes the Design, Manufacturing, Shop testing at manufacturers works before dispatch, supply, Delivery at site of Stator Air Cooler, LP Lub Oil Cooler and its Tube Bundle for Dikrong Power House of Ranganadi H.E. Plant as per the detailed in the Schedule of Items & prices indicated in Annexure-A.

(ii) The Cooler under this contract shall have one to one matching with the mother equipment of Ranganadi HE Plant supplied by you.

(iii) In case of mismatching, the supplier shall be responsible for re-matching, re-manufacturing and supply of material without any additional cost to the corporation.

(iv) The quality and property of material shall be as per the original specification.

B. TERMS & CONDITIONS:

1. **Price:** The rates indicated above are at FOR Ex Works Bhopal basis inclusive of GST as indicated in annexure-A. The rates shall remain firm till completion of supply.

2. **Good & Service Taxes (GST):** GST shall be paid extra on the supply at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill. **Our GSTIN No-12AAACN9991J4Z0.**

3. **Order Value:** ₹ 3,63,57,216.00 (Rupees Three Crore Sixty Three Lakh Fifty Seven Thousand Two Hundred Sixteen) only Inclusive of GST.

4. **Discount:** Discount @ 2% (Two percent) shall be applicable as indicated in Annexure-A.

5. **Delivery:** Delivery period of materials has been kept 12 (Twelve) Months from the date of issue of this order. However all efforts should be made to supply the materials as early as possible.

Contd....P/2

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000010773	Goods Receipt Date	Oct 30, 2022
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location			
Delivery Note No		E270006020	
Vendor Address		101884 - SSBG-ER (BHEL), Kolkata DJ-9/1, 3rd Floor, Kolkata West Bengal	
Transporter Name			
Vehicle Number		MH40CD9223	
L R No		E270006020	
L R Date		Jul 30, 2022	
PO Number	3600000561	PO Date	Nov 15, 2021

S No	Material No	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
1		LP Lub Oil Cooler	1	NO	1.000	0			
2		Tube Bundle for LP Cooler	8	NO	8.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

Deputy Manager (E/M)
Power House Store
RHPS NEEPCO LTD.

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000010775	Goods Receipt Date	Oct 30, 2022
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location			
Delivery Note No		E270096020	
Vendor Address		101864 - SSBG-ER (BHEL), Kolkata DJ-9/1, 3rd Floor, Kolkata West Bengal	
Transporter Name			
Vehicle Number		MH40CD8223	
L R No		E270096020	
L R Date		Jul 30, 2022	
PO Number	5600000565	PO Date	Nov 15, 2021

S No	Material No	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
1		LP Lub Oil Cooler	1	NO	1.000	0			
2		Tube Bundle for LP Cooler	8	NO	8.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

Deputy Manager (E/M)
Power House Store
RHPS NEEPCO LTD.

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700002705 / Dt : 18.08.2022

To,

Vendor Name	:	M/s T.T Enterprises, Luksin
Vendor Code	:	101525
Address	:	,
	:	DAKTE-HOJ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AIDPT0567E
GSTIN No.	:	12AIDPT0567E1ZJ

Sub: Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-3, Ch: 400.00m to Ch: 600.00m).

Ref: NIT No. 35 of 2021-2022/HCMW Dtd: 09/02/2022

Dear Sir/Madam,

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	3.39	2,034.00
					CGST %	9.00%	183.06
					SGST %	9.00%	183.06
					Total		2,400.12
10.2	10001078	PCC Grade M20 - including shuttering	120.000	M3	Basic Price	9,239.83	11,08,779.60
					CGST %	9.00%	99,790.17
					SGST %	9.00%	99,790.17
					Total		13,08,359.94
10.3	10001396	Maintenance Earthen Shoulder	480.000	M2	Basic Price	88.13	42,302.40
					CGST %	9.00%	3,807.22
					SGST %	9.00%	3,807.22
					Total		49,916.84
					Total Basic Price		11,53,116.00
					Total CGST %		1,03,780.45
					Total SGST %		1,03,780.45
					Total PO Val.		13,60,676.90

THIRTEEN LAKH SIXTY THOUSAND SIX HUNDRED SEVENTY SIX Rupees NINETY Paise Only

TERMS AND CONDITIONS

1. Scope:

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-3, Ch: 400.00m to Ch: 600.00m)" as per terms & conditions stipulated hereunder.

2. Value:

3. Price Basis:

4. Taxes:

Inclusive of all taxes.

Scanned with ACE Scanner

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Service Details

Line Item	Service Code	Service Des.	Qty.	UOM	Plant
10.1	10001395	Preparatioand Surface Treatment of formation. (Preparation and surface treatment of formation by removing mud and slurry, watering to the extent needed to maintain the desiredmoisture content, trimming to the required line, grade, profile and rolling with 8-10 tonne smooth wheeledroller, complete as per clause 310.)	600.000	M2	RHEP
10.2	10001076	Plain cement concrete complete as per drawing and technical specifications(including formwork). a) PCC Grade M20.	120.000	M3	RHEP
10.3	10001396	Maintenance of Earthen Shoulder (filling with fresh soil) (Making up loss of material/ irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.)	480.000	M2	RHE

Dy. General Manager (C)
Civil Maintenance Wing
RHEP/NEEPCO Ltd.
Yazali (A.P.)

Scanned with ACE Scanner

COMPLETION CERTIFICATE

Certified that the work- **Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHEP, A.P.(Grp-3, Ch: 400.00m to Ch: 600.00m)** executed by M/s T.T Enterprise,Village- Dakte-Hoj(Luksin), A.P. vide **Purchase Order-3700002705/ Dtd. 18/08/2022**) has been completed on 29/08/2022 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

सहकारी अभियन्ता (सिविल)
ASSISTANT ENGINEER (CIVIL)
हॉज सिविल मैन्टिनेन्स विंग
Hoj, Arunachal Pradesh

Scanned with ACE Scanner

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700002834 / Dt : 29.08.2022

To,

Vendor Name	:	Akin Wooden Furniture
Vendor Code	:	101526
Address	:	,
	:	YAZALI,- 791119 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	ALDPG1822C
GSTIN No.	:	12ALDPG1822C1Z2

Sub: Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-2, Ch: 200.00m to Ch: 400.00m)

Ref: NIT No. 34 of 2021-2022/HCMW Dtd: 09/02/2022

Dear Sir/Madam,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-2, Ch: 200.00m to Ch: 400.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	3.39	2,034.00
					CGST %	9.00%	183.06
					SGST %	9.00%	183.06
					Total		2,400.12
10.2	10001076	PCC Grade M20 - Including shuttering	120.000	M3	Basic Price	9,239.83	11,08,779.60
					CGST %	9.00%	99,790.17
					SGST %	9.00%	99,790.17
					Total		13,08,359.94
10.3	10001396	Maintenance Earthen Shoulder	480.000	M2	Basic Price	88.13	42,302.40
					CGST %	9.00%	3,807.22
					SGST %	9.00%	3,807.22
					Total		49,916.84
					Total Basic Price		11,53,116.00
					Total CGST %		1,03,780.45
					Total SGST %		1,03,780.45
					Total PO Val.		13,60,676.90

THIRTEEN LAKH SIXTY THOUSAND SIX HUNDRED SEVENTY-SIX Rupees NINETY Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-2, Ch: 200.00m to Ch: 400.00m)

2. Value:

3. Price Basis:

4. Taxes:

Scanned with ACE Scanner

COMPLETION CERTIFICATE

Certified that the work- **Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHEP, A.P.(Grp-2, Ch: 200.00m to Ch: 400.00m)** executed by M/s Akin wooden Furniture, Yazali, A.P. vide **Purchase Order- 3700002834/ Dtd. 29/08/2022**) has been completed on 14/09/2022 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मेन्टिनेन्स विंग
Hoj, Arunachal Pradesh

Scanned with ACE Scanner

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700002837 / Dt : 29.08.2022

To,

Vendor Name	:	NCT Enterprises
Vendor Code	:	101609
Address	:	,
	:	HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	9862639641
Email ID	:	,
PAN No.	:	AJQPT4461P
GSTIN No.	:	12AJQPT4461P1ZG

Sub: Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-1, Ch: 0.00m to Ch: 200.00m)

Ref: NIT No. 33 of 2021-2022/HCMW Dtd: 09/02/2022

Dear Sir/Madam,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-1, Ch: 0.00m to Ch: 200.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	3.39	2,034.00
					CGST %	9.00%	183.06
					SGST %	9.00%	183.06
					Total		2,400.12
10.2	10001676	PCC Grade M20 - including shuttering	120.000	M3	Basic Price	9,239.83	11,08,779.60
					CGST %	9.00%	99,790.17
					SGST %	9.00%	99,790.17
					Total		13,08,359.94
10.3	10001396	Maintenance Earthen Shoulder	480.000	M2	Basic Price	88.13	42,302.40
					CGST %	9.00%	3,807.22
					SGST %	9.00%	3,807.22
					Total		49,916.84
					Total Basic Price		11,53,116.00
					Total CGST %		1,03,780.45
					Total SGST %		1,03,780.45
					Total PO Val.		13,60,676.90

THIRTEEN LAKH SIXTY THOUSAND SIX HUNDRED SEVENTY SIX Rupees NINETY Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHPS, A.P. (Grp-1, Ch: 0.00m to Ch: 200.00m)

2. Value:

3. Price Basis:

4. Taxes:

Scanned with ACE Scanner

COMPLETION CERTIFICATE

Certified that the work- **Construction of Cement Concrete Road for Surge Shaft Road at Dikrong Power House site, Hoj, RHEP, A.P.(Grp-1, Ch: 0.00m to Ch: 200.00m)** executed by M/s NCT Enterprises, A.P. vide **Purchase Order- 3700002837/ Dtd. 29/08/2022)** has been completed on 14/09/2022 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
RHEPNEEPCO Ltd.
Hoz, (A.P.)

सहायक अभियन्ता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मैन्टिनेन्स विंग
Hoz, Arunachal Pradesh

Scanned with ACE Scanner

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check Dam on Upstream of Dindu Nallah, RHPS, Yazali, A.P" amounting to Rs.16,53,267.00 (Rupees sixteen lakhs fifty three thousand two hundred sixty seven) only has been completed on dated 04.03.23 by the Contractor, M/s Pill Brothers as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2022-23/1766 dtd 18.01.23

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

441
30/01/23

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 16.01.2023

To,

M/s Pill Brothers
Vill:- Yazali
Dist: Lower Subansiri,
Arunachal Pradesh.

completion - 04/03/2022

Sub: Work Order for **"Construction of Check Dam on up stream of Dindu Nallah, RHPS, Yazali, A.P.**

Ref: This office LNIT no. RHEP//GM/ 31/2021-22 dtd. 24.11.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work Construction of Check Dam on up stream of Dindu Nallah, RHPS, Yazali, A.P.. as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of Check Dam on up stream of Dindu Nallah, RHPS, Yazali, A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 16,53,267.00** (Rupees sixteen lacs fifty three thousand two hundred sixty seven) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 17.12.2022

24-1122-30 Service Entry

PR-1400000302 4100001672 9.

PO-3700004132

To,

M/s T.J.Enterprise
Vill:- Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-06, 43km, NEEPCO colony, RHPS, Ar. Pr.**

Ref: This office LNIT no. RHEP//GM/ 14/2022-23 dtd. 10.08.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-06, 43km, NEEPCO colony, RHPS, Ar. Pr.**as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-06, 43km, NEEPCO colony, RHPS, Ar. Pr.**.as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in-charge (EIC).
2. **Value of work: - 25,79,162.00** (Rupees twenty five lacs seventy nine thousand one hundred sixty two only which is inclusive of all applicable taxes.
3. **Time of completion: - 2 (two) months** from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work,

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

PANYOR LOWER HYDRO POWER STATION
Road and Building (M), PLHPS

Dated 16/01/2023

COMPLETION CERTIFICATE

Name of work	:	Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-06, 43km NEEPCO colony, RHPS, Ar. Pr.
Name of Contractor	:	M/s T. J. Enterprise, Vill. – Potin, Dist.: Lower Subansiri, Arunachal Pradesh
M.B. No./ Page no.	:	8871, Page no: 95 of 119
Work order no.	:	NEEPCO/RHEP/GM(C)/201/2021-22/1318 Dtd. 17.12.2022
Agreement no.	:	NEEPCO/RHPS/GM(C)/246/38 Dated. 21.12.2022
Date of Start	:	17.12.2022
Date of completion as per W.O.	:	17.02.2023
Actual Date of Completion	:	13.01.2023
Value of work	:	₹ 25,79,162.00/-

Certified that the work has been physically completed on 13.01.2023 and that no defects are apparent and the contractor has removed from the premises on which the work was being executed, all scaffolding surplus material and rubbish and cleaned all the dirt from roof work upon or about which the work was to be executed. This is however, subject, to measurements being recorded & quality being checked by the competent authority as per specifications given in work order.

16/01/23

Sr. Manager(C), R&B(M)

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 11/01/2023

To,

M/s B.Y. Enterprise
Vill:- Billo
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-07, 43km, NEEPCO colony, RHPS, Ar. Pr.".**

Ref: This office LNIT no. RHEP/GM/ 20/2022-23 dtd. 14.11.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-07, 43km, NEEPCO colony, RHPS, Ar. Pr.".** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-07, 43km, NEEPCO colony, RHPS, Ar. Pr.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in-charge (EIC).
2. **Value of work: - 21,69,314.00.** (Rupees Twenty-one lacs sixty-nine thousand three hundi fourteen) only which is inclusive of all applicable taxes.
3. **Time of completion:** - 2 (Two) months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point 5 percent) of the contract price shall be deducted for delay per week or part thereof subject to maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

Work order Dy. M(C), Sir m/a please 13/1/22

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 11/01/2023

To,

M/s B.Y. Enterprise
Vill:- Billo
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-07, 43km, NEEPCO colony, RHPS, Ar. Pr.".**

Ref: This office LNIT no. RHEP/GM/ 20/2022-23 dtd. 14.11.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-07, 43km, NEEPCO colony, RHPS, Ar. Pr.".** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of protection wall, periphery development, drain, fencing and gate of new permanent quarter no. PB-07, 43km, NEEPCO colony, RHPS, Ar. Pr.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in-charge (EIC).
2. **Value of work: - 21,69,314.00.** (Rupees Twenty-one lacs sixty-nine thousand three hundr fourteen) only which is inclusive of all applicable taxes.
3. **Time of completion: - 2** (Two) months from the date of issue of this order.
4. **Quantity and Rates: -** The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point 5 percent) of the contract price shall be deducted for delay per week or part thereof subject to maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

COMPLETION CERTIFICATE.

Certified that the work "Construction of Retaining wall(4th phase) at Parking Area of Right Bank of Dam towards Dam Downstream at Dam Site, 41 KM, RHEP, A.P" amounting to Rs. 48,92,358.00 (Rupees Forty Eight Lakhs ninety two Thousand three hundred fifty eight) only has been completed on dated 21.02.23 by the Contractor, M/s T.J Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2021-22/1592-94 dtd 11.01.23

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्ट्रर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

412
12/1/23

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 11/01/2023

To,

M/s T.J. Enterprise
Vill:- Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

P.O → 3760004881
S.E → 1000019689
21.2.23.

Sub: Work Order for **"Construction of retaining wall (4th phase) at parking area of right bank of Dam towards Dam Downstream at Dam site, 41Km, Yazali, A.P.**

Ref: This office LNIT no. RHEP/GM/ 22 /2022-23 dtd. 14.11.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of retaining wall (4th phase) at parking area of right bank of Dam towards Dam Downstream at Dam site, 41Km, Yazali, A.P...** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of retaining wall (4th phase) at parking area of right bank of Dam towards Dam Downstream at Dam site, 41Km, Yazali, A.P..**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 48,92,358.00.00** (Rupees forty-eight lacs ninety-two thousand three hundred fifty-eight) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of 1 **(one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

North Eastern Electric Power Corporation Limited

Office of the Senior Manager (E/M)
PANYOR LOWER HYDRO POWER STATION
HOJ-791112, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700004266 / Dt : 16.01.2023

FY 2022-2023 Annexure-34

To,

Vendor Name	:	PAGATARA CORPORATION PVT LTD
Vendor Code	:	101856
Address	:	,
		TORU CIRCLE,- 791112 Arunachal Pradesh, India
Contact No	:	8258020338
Email ID	:	,
PAN No.	:	AALCP8579R
GSTIN No.	:	12AALCP8579R1ZC

Sub: Amended P.O with Deviation against the work "Construction of Protection wall Chainage no.0.00 RM to 16.5 RM for 400KV GIS Bay Extension at PLHPS, A.P,India".

Ref: 1.HOP,PLHPS U.O No.2194 Dtd.15/11/2022
2.LNIT No.06 of 2022-23 Dtd.21/10/2022
3.FLM Vide Note Sheet/CW/400KVGIS/82/RHEP/06/04/2023 Dtd 26/04/2023 Time: 09:39:23 Hrs

Dear Sir/Madam,

The undersigned on behalf of the North Eastern Electric Power Corporation Ltd., 405 MW Panyor Lower Hydro Power Station(hereinafter referred to as "the Owner") is pleased to place this work order for Construction of Protection Wall Chainage no. 0.00RM to 16.5RM for 400KV GIS Bay Extension at PLHPS,NEEPCO Ltd.,A.P upon you (hereinafter referred to as "the contractor")for the execution of work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000405	Earthwork in ex F/trench:Soil>50%Shingle	74.250	M3	Basic Price	264.14	19,612.40
					CGST %	9.00%	1,765.00
					SGST %	9.00%	1,765.00
					Total		23,142.40
10.2	10001081	Concrete 1:2:4 in foundation/Plinth	51.975	M3	Basic Price	6,793.33	3,53,083.33
					CGST %	9.00%	31,778.00
					SGST %	9.00%	31,778.00
					Total		4,16,639.33
10.3	10000676	Centreing & shuttering in walls	148.500	M2	Basic Price	429.97	63,850.55
					CGST %	9.00%	5,747.00
					SGST %	9.00%	5,747.00
					Total		75,344.55
10.4	10001503	Gablan struture for erosion control	202.950	M3	Basic Price	4,291.06	8,70,870.63
					CGST %	9.00%	78,378.00
					SGST %	9.00%	78,378.00
					Total		10,27,626.63
20.1	10000405	Earthwork in ex F/trench:Soil>50%Shingle	5.400	M3	Basic Price	264.14	1,426.36
					CGST %	9.00%	126.00
					SGST %	9.00%	126.00
					Total		1,682.36
20.2	10001081	Concrete 1:2:4 in foundation/Plinth	6.966	M3	Basic Price	6,793.33	47,322.34
					CGST %	9.00%	4,259.00
					SGST %	9.00%	4,259.00
					Total		55,840.34
20.3	10000676	Centreing & shuttering in walls	21.420	M2	Basic Price	429.97	9,209.96
					CGST %	9.00%	829.00
					SGST %	9.00%	829.00
					Total		10,867.98

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3700004260 / Dt : 16.01.2023

To,

Vendor Name	:	Taha Tana Tara Constn Agency
Vendor Code	:	101523
Address	:	,
	:	DAKTE-HOJ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AEJPT5815K
GSTIN No.	:	12AEJPT5815K2Z7

Sub: Construction of Protection wall Chainage no.16.5 RM to 33 RM for 400KV GIS Bay Extension at PLHPS, A.P, India.

Ref: 1.HOP,PLHPS U.O No.2193 Dtd.25/11/2022
2.LNIT No.07 of 2022-23 Dtd.21/10/2022

Dear Sir/Madam,

The undersigned on behalf of the North Eastern Electric Power Corporation Ltd., 405 MW Panyor Lower Hydro Power Station(hereinafter referred to as "the Owner") is pleased to place this work order for Construction of Protection Wall Chainage no. 16.5RM to 33RM for 400KV GIS Bay Extension at PLHPS,NEEPCO Ltd.,A.P upon you (hereinafter referred to as "the contractor")for the execution of work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000405	Earthwork in ex Fitrench;Soil>50%-Shingle	74.250	M3	Basic Price	264.18	19,615.37
					CGST %	9.00%	1,765.00
					SGST %	9.00%	1,765.00
					Total		23,145.37
10.2	10001081	Concrete 1:2:4 in foundation/Plinth	51.975	M3	Basic Price	6,793.33	3,53,083.33
					CGST %	9.00%	31,778.00
					SGST %	9.00%	31,778.00
					Total		4,16,639.33
10.3	10000676	Centering & shuttering in walls	148.500	M2	Basic Price	429.96	63,849.06
					CGST %	9.00%	5,746.00
					SGST %	9.00%	5,746.00
					Total		75,341.06
10.4	10001503	Gabion struture for erosion control	202.950	M3	Basic Price	4,291.08	8,70,874.89
					CGST %	9.00%	78,379.00
					SGST %	9.00%	78,379.00
					Total		10,27,632.89
					Total Basic Price		13,07,422.45
					Total CGST %		1,17,668.00
					Total SGST %		1,17,668.00
					Total PO Val.		15,42,758.45

FIFTEEN LAKH FORTY TWO THOUSAND SEVEN HUNDRED FIFTY EIGHT Rupees FORTY FIVE Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of Protection Wall Chainage no. 16.5RM to 33RM for 400KV GIS Bay Extension at PLHPS,NEEPCO Ltd.,A.P.The work is to be executed as per technical Specification attached.
The work should be started in consultation with the Assistant Engineer(civil),Dikrong Power House.

COMPLETION CERTIFICATE.

Certified that the work "Construction of a protection wall along the Reservoir bank near Central Store ,43km, RHPS, Yazali, Ar. Pr." amounting to Rs. 17,07,125.00 (Rupees Seventeen Lakhs seven thousand one hundred twenty-five) only has been completed on dated 22.01.23 by the Contractor, M/S Bamang Takam as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2022-23/700 dtd 24.11.22

DGM©, HSM

D.M(C), HSM.

नीपको NEEPCO

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

Office of the General Manager (C)

Ranganadi Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.

CIN – U40101ML1976GOI001658

No. NEEPCO/RHPS/GM(C)/201/2022-23/ 700 Dated 24.11.2022

To,

P. O → 37000047311
S.E → 1650018445
Comp → 29/01/23

M/s Bamang Talcam
Vill:- Poosa
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for : **Construction of a protection wall along the reservoir bank near central store, 43Km,Yazali,A.P.**

Ref: This office LNIT no. RHPS//GM/ 16/2022-23 dtd. 30.09.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of a protection wall along the reservoir bank near central store, 43Km,Yazali,A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is **Construction of a protection wall along the reservoir bank near central store, 43Km,Yazali,A.P.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 17,07,125.00** (Rupees seventeen lacs seven thousand one hundred twenty five) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of 1 **(one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be

COMPLETION CERTIFICATE.

Certified that the work of "Construction of Retaining wall along the Intake Road near Intake Steel Bridge from Ch:0.00m to 65.00m (Ch:0.00m near Security Barrack near Intake Steel bridge), Right Bank at Dam Site, RHPS, 41km, Yazali, Ar. Pr" amounting to Rs. 43,30,000.00 (Rupees Forty three Lakhs thirty Thousand) only has been completed on dated 21.02.23 by the Contractor, M/s T.J Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2021-22/1595-1600 dtd 11.01.23

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

426
18/1/23

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 12.01.2023

To,

M/s T.D.R Enteprise
Vill:- Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

P.O → 3710000 5064
SE → 1000021304
Dmp → 24/2/23

Sub: Work Order for **"Construction of protection wall along the Abdulla Nallah, right bank near steel bridge RHPS, 41Km,Yazali,A.P."**

Ref: This office LNIT no. RHEP/GM/ 32/2022-23 dtd. 24.11.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of protection wall along the Abdulla Nallah, right bank near steel bridge RHPS, 41Km,Yazali,A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of protection wall along the Abdulla Nallah, right bank near steel bridge RHPS, 41Km,Yazali,A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 26,67,696.00** (Rupees Twenty-Six lakhs Sixty-Seven thousand Six hundred Ninety-Six) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (Sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

COMPLETION CERTIFICATE.

Certified that the work "Construction of a protection wall along the Abdullah Nallah R/Bank near Steel Bridge,41km, RHPS, Yazali, Ar. Pr." amounting to Rs.26,67,696.00 (Rupees Twenty six lakhs sixty seven thousand six hundred ninety six) only has been completed on dated 24.02.23 by the Contractor, M/s T. D. R Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2022-23/1617-20 dtd 12.01.23

DGM©, HSM

D.M(C), HSM.

COMPLETION CERTIFICATE.

Certified that the work "Construction of Protection wall along the Left bank road from Dam Top to Dam,RHPS, 41km, Yazali, Ar. Pr" amounting to Rs.41,10,546.00 (Rupees Forty one lakhs ten thousand five hundred forty six) only has been completed on dated 27.02.2023 by the Contractor, M/s Rini Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM©/201/22-23/ 1606 dtd 12.01.2023

DGM©, HSM

D.M(C), HSM.

Corrected

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 12.01.2022

To,

M/s Rini Enteprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of protection wall along the left bank road from Dam top to Dam, RHPS, Yazali, A.P."**

Ref: This office LNIT no. RHEP/GM/ 27/2021-22 dtd. 24.11.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Construction of protection wall along the left bank road from Dam top to Dam, RHPS, Yazali, A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of protection wall along the left bank road from Dam top to Dam, RHPS, Yazali, A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 41,10,546.00**(Rupees Fourty one lacs Ten thousand five hundred forty-six) only which is inclusive of all applicable taxes.
3. **Time of completion: - 75** (Seventy-five) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

COMPLETION CERTIFICATE.

Certified that the work "Construction of Additional Dumping Yard near the Intake, RHPS,41km, Yazali, A.P." amounting to Rs. 42,16,799.00(Rupees Forty-two Lakhs sixteen thousand seven hundred ninety-nine) only has been completed on dated 14.02.23 by the Contractor, M/S Rini Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2022-23/1314 dtd 17.12.2022

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007
Office of the General Manager (C)
Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2022-23/ 1314 Dated 17.12.2022

To,

M/s Rini Enterprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

P.O - 3780004853
S.E - 1000019435

Completion - 14/02/2023

Sub: Work Order for **"Construction of additional Dumping Yard near the Intake, RHPS,41Km, Yazali, A.P."**

Ref: This office LNIT no. RHEP//GM/ 18/2022-23 dtd. 14.11.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of additional Dumping Yard near the Intake, RHPS,41Km, Yazali, A.P."**. as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of additional Dumping Yard near the Intake, RHPS,41Km, Yazali, A.P.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 42,16,799.00** (Rupees forty-two lakhs sixteen thousand seven hundred ninety-nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 90** (Ninety) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of 1 **(one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be

COMPLETION CERTIFICATE.

Certified that the work "Construction of Ferry Ghat at Reservoir Bank near Dam Site,RHPS, 43km,Yazali,Ar.Pr" amounting to Rs. 46,31,841.00 (Rupees forty six Lakhs thirty one thousand eight hundred forty one) only has been completed on dated 30.01.23 by the Contractor, M/S Rini Enterprise as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM©/201/22-23/706 dtd 24.11.2022

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Ranganadi Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

437
25/11/22

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 24.11.2022

P.O - 3750046 25
S.E - 1000017969

To,

M/s Rini Enteprise
Vill:- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for : **Construction of ferry ghat at reservoir Bank area near Dam site, RHPS, 41Km,,Yazali,A.P.**

Ref: This office LNIT no. RHEP//GM/ 17/2022-23 dtd. 30.09.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Name of the work: : Construction of ferry ghat at reservoir Bank area near Dam site, RHPS, 41Km,,Yazali,A.P.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for : **Construction of ferry ghat at reservoir Bank area near Dam site, RHPS, 41Km,,Yazali,A.P.**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 46,31,841.00** (Rupees forty-six lacs thirty-one thousand eight hundred forty-one) only which is inclusive of all applicable taxes.
3. **Time of completion: - 90** (ninety) days from the date of issue of this order.
4. **Quantity and Rates: -** The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Rovalty etc.: -** The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period: -** The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by

North Eastern Electric Power Corporation Limited

FY 2022-2023 Annexure-4

Materials Goods Receipt

Goods Receipt Number	5000013108	Goods Receipt Date	Jan 10, 2023
Consignee / Receiver Plant		1100 - RANGANADI HYDRO ELECTRIC PROJECT (RHEP)	
Consignee / Receiver Storage Location		-	
Delivery Note No		GI/2022-23/56	
Vendor Address		100769 - GLOCON MANAB KALYAN NAAMGHAR ROAD TINSUKIA Assam	
Transporter Name			
Vehicle Number		DN09Q9756	
L.R No		908	
L.R Date		Nov 30, 2022	
PO Number	3800000079	PO Date	Jun 8, 2022

S.No	Material No.	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Descriptio
1	Assets 184/186	132KV Spring Operated SF6 CircuitBreaker	9	NO	9.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

Deputy Manager (E/M)
Power House Store
RHPS NEEPCO LTD.

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3800000079 / Dt : 08.06.2022

To,
Vendor Name : GLOCON
Vendor Code : 100769
Address : TINSUKIA,- 786125 Assam, India
Contact No :
Email ID :
PAN No. : ABMPA8927H
GSTIN No. : 18ABMPA8927H2ZD

Sub: ORDER FOR DESIGN,ENGINEERING,SUPPLY,RETROFITTING,TESTING&COMISSIONING OF CG POWER MAKE 132KV CIRCUITBREAKERS SF6 SPRING GANG OPERATED FOR RHPS.

Ref: (1)Letter No- RHEP/DGM(E/M)/PH&SY(O&M)/T-9&109(SY)/21-22/1160 Dtd 01/10/2021,(2)Offer No. GL/2021-22 Dtd.16.02.2022,(3)Letter No-GL/2021-22/NEEPCO/RHEP Dtd 03/03/2022,(4)LOI No-RHPS/DGM(E/M)/PH&SY(O&M)/T-9&109(SY)/22-23/53 Dtd 02.05.2022

Dear Sir/Madam,
With reference to above, the Corporation is pleased to place this order for Design, Manufacturing, Supply, retrofitting, Testing & Commissioning of CG Power make 132KV Circuit Breaker for Dikrong Power House, Ranganadi Hydro Power Station, NEEPCO Ltd, Arunachal Pradesh as per prices & quantity enclosed in Annexure-A and scope of work, detailed Terms & Condition indicated below.

S.No	Material/Service Code	Material/Service Des.	Qty.	Unit	Unit Price		Total Price
10		132KV Spring Operated SF6 CircuitBreaker	8.000	NO	Basic Price % Disc.from Gross IGST % Total	10,40,000.00 7.00-% 18.00%	93,60,000.00 6,55,200.00- 15,66,864.00 1,02,71,664.00
20.1	20000136	Installation&Commissioning Plant Equip	8.000	NO	Basic Price IGST % Total	1,58,100.00 18.00%	12,64,800.00 2,27,664.00 14,92,464.00
					Total Basic Price Total % Disc.from Gross Total IGST % Total PO Val.		1,06,24,800.00 6,55,200.00- 17,94,528.00 1,17,64,128.00

ONE CRORE SEVENTEEN LAKH SIXTY FOUR THOUSAND ONE HUNDRED TWENTY EIGHT Rupees Only

TERMS AND CONDITIONS

1. Scope:

SCOPE OF WORK
The scope of work under this contract shall include following works:
1. Design, Engineering, supply, delivery at site, installation, Testing & Commissioning of 145KV , 3150 Amps at 40°C, 40 KA for 3 sec,, Live Tank, SF6 Circuit Breaker with spring operated mechanism, suitable for three phase auto reclosing (Mechanically gang operated) with 25 mm/KV brown porcelain insulator, support structure, terminal connectors for twin moose conductor, Adaptor materials, earthing risers and as per technical specifications enclosed at Annexure-A and suitable for erection on existing foundation of circuit breaker.
2. The existing foundation, control & power cables, earthing materials of 145 KV Circuit Breakers shall be utilize for proposed breakers of this contract.
3. Support Structure of Circuit Breaker shall be suitably match with the old foundation of existing circuit breaker. No additional foundation work shall be carried out for erection of the new circuit breaker. Support Structure drawing is attached in Annexure-C.

North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3600001185 / Dt : 14.07.2022

To,

Vendor Name	:	SSBG-ER (BHEL), Kolkata
Vendor Code	:	101684
Address	:	,
	:	KOLKATA,- 700091 West Bengal, India
Contact No	:	03323211686
Email ID	:	rodcomml@bhelpser.co.in,
PAN No.	:	AAACB4146P
GSTIN No.	:	19AAACB4146P1ZC

Sub:
ORDER FOR SUPPLY OF 200MM DIA AIR VALVE FOR DIKRONG POWER HOUSE, RHPS, NEEPCO LTD

Ref:
1. Our letter no. RHEP/DGM/E/M)/PH&SY(O&M)/T-5/21-22/122 dtd. 28.04.21
2. Offer No PS/SSBG-KOL/SB21K0056/BPH/HRG/0852 dtd. 16.11.21
3. Email Dated 02/04/2022

Dear Sir/Madam,

The Corporation is pleased to place this order for supply of following 200MM Air Valve for Dikrong Power Station, Ranganadi HP Station as per specifications, prices, quantity, Scope of Work and terms & conditions are given below

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10	29517510101622	SL. VLV IS:14846 FG200 FLGD PN1.6 200mm	3.000	NO	Basic Price	15,12,000.00	45,36,000.00
					Discount % on Gross	2.00-%	90,720.00-
					IGST %	18.00%	8,00,150.40
					Total		52,45,430.40
					Total Basic Price		45,36,000.00
					Total Discount % on Gross		90,720.00-
					Total IGST %		8,00,150.40
					Total PO Val.		52,45,430.40

FIFTY TWO LAKH FORTY FIVE THOUSAND FOUR HUNDRED THIRTY Rupees FORTY Paise Only

TERMS AND CONDITIONS

1. Scope:

SCOPE OF SUPPLY

(i) The Scope of Supply under this contract includes the Design, Manufacturing, Shop testing at manufacturers works before dispatch, supply, Delivery at site of 200 mm Dia Air Valve for Dikrong Power House of Ranganadi H.P. Station as per the detailed in the Schedule of Items & prices indicated above.

(ii) The Air Valve under this contract shall have one to one matching with the mother equipment of Ranganadi HP Station supplied by you.

(iii) In case of mismatching, the supplier shall be responsible for re-matching, re-manufacturing and supply of material without any additional cost to the corporation.

(iv) The quality and property of material shal be as per the original specification.

2. Value:

Rs. 52,45,430.03 (Rupees Fifty Two Lakh Forty Five Thousand Four Hundred Tarty) only inclusive of GST.

North Eastern Electric Power Corporation Limited

Materials Goods Receipt

Goods Receipt Number	5000017784	Goods Receipt Date	Mar 25, 2023
Consignee / Receiver Plant		1100 - PANYOR LOWER HYDRO POWER PROJECT (PLHPS)	
Consignee / Receiver Storage Location		RH01 - PH-Hoz-EM	
Delivery Note No		987897282	
Vendor Address		101864 - SSBG-ER (BHEL), Kolkata DJ-9/1, 3rd Floor, Kolkata West Bengal	
Transporter Name			
Vehicle Number		MP04GB0632	
GR No.		987697282	
GR Date		Jan 31, 2023	
PO Number	3600001195	PO Date	Jul 14, 2022

No.	Material No.	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
	3000001120	AirValveØ200,Drg No-12140349001,BHEL Make	3	NO	3.000	0			

Remarks

Signature
(Site Engineer)

Signature
(Store Incharge)

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700004708 / Dt : 06.02.2023

To,

Vendor Name	:	M/s Taba Tad, hoz
Vendor Code	:	101521
Address	:	, DAKTE HOZ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	BIRPT5983R
GSTIN No.	:	12BIRPT5983R1ZZ

Sub: Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)

Ref: NIT No. 18 of 2021-2022/HCMW Dtd: 12/12/2022

Dear Sir/Madam,
In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	2.54	1,524.00
					CGST %	9.00%	137.00
					SGST %	9.00%	137.00
					Total		1,798.00
10.2	10001076	PCC Grade M20 - including shuttering	120.000	M3	Basic Price	8,887.29	10,66,474.80
					CGST %	9.00%	95,983.00
					SGST %	9.00%	95,983.00
					Total		12,58,440.80
10.3	10001395	Maintenance Earthen Shoulder	480.000	M2	Basic Price	84.75	40,680.00
					CGST %	9.00%	3,661.00
					SGST %	9.00%	3,661.00
					Total		48,002.00
10.4	10001455	Excavation in ordinary rock manual means	144.000	M3	Basic Price	416.10	59,918.40
					CGST %	9.00%	5,393.00
					SGST %	9.00%	5,393.00
					Total		70,704.40
10.5	10001075	PCC Grade M15 - including shuttering	93.000	M3	Basic Price	8,440.68	7,90,576.44
					CGST %	9.00%	63,052.00
					SGST %	9.00%	63,052.00
					Total		8,26,680.44
					Total Basic Price		18,69,173.64
					Total CGST %		1,68,226.00
					Total SGST %		1,68,226.00
					Total PO Val.		22,05,625.64

TWENTY TWO LAKH FIVE THOUSAND SIX HUNDRED TWENTY FIVE Rupees SIXTY FOUR Paise Only

TERMS AND CONDITIONS

1. Scope:

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COMPLETION CERTIFICATE

Certified that the work- **Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-4, Ch: 2800.00m to Ch: 3000.00m)** executed by M/s Taba Tad, Hoj, A.P. vide **Purchase Order- 3700004708/ Dtd. 06/02/2023)** has been completed on 14/03/2023 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मैन्टिनेन्स विंग
PLHPS, NEEPCO LTD, A.P.

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S TANA SENKAM has completed the work," Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1400.00 to 1600.00 m (Ch 0.00m at TAH) Grp-3 ." as per Specifications mentioned in BOQ, wide P.O No: 3700001993 DTD : 28/04/2022, *in all respect on 20/05/2022 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
RANGANADI HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700001848 / Dt : 28.03.2022

To,

Vendor Name	:	Taha Tana Tara Construction
Vendor Code	:	101610
Address	:	,
	:	HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	9774760301
Email ID	:	,
PAN No.	:	AEJPT5815K
GSTIN No.	:	12AEJPT5815K2Z7

Sub: Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage 1800.00 to 2000.00 m (Ch 0.00m at TAH) Grp-5 .

Ref: NIT no. 47 of 2021-22/ HCMW dtd 09/02/2022

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage 1800.00 to 2000.00 m (Ch 0.00m at TAH) Grp-5 ." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant (405 MW) (hereinafter referred to as "the Owner") is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10003689	Excavation work in foundation trenches	180.000	M3	Basic Price	164.41	29,593.80
					CGST %	9.00%	2,663.45
					SGST %	9.00%	2,663.45
					Total		34,920.70
10.2	10001074	Scarifying granular surface-50mm	600.000	M2	Basic Price	32.20	19,320.00
					CGST %	9.00%	1,738.80
					SGST %	9.00%	1,738.80
					Total		22,797.60
10.3	10001075	PCC Grade M15 - including shuttering	114.000	M3	Basic Price	8,346.61	9,51,513.54
					CGST %	9.00%	85,636.22
					SGST %	9.00%	85,636.22
					Total		11,22,785.98
10.4	10001076	PCC Grade M20 - including shuttering	120.000	M3	Basic Price	9,257.63	11,10,915.60
					CGST %	9.00%	99,982.41
					SGST %	9.00%	99,982.41
					Total		13,10,880.42
10.5	10001077	Subgrade and Earthen Shoulder	15.000	M3	Basic Price	271.26	4,068.90
					CGST %	9.00%	366.21
					SGST %	9.00%	366.21
					Total		4,801.32
					Total Basic Price		21,15,411.84
					Total CGST %		1,90,387.09
					Total SGST %		1,90,387.09
					Total PO Val.		24,96,186.02

TWENTY FOUR LAKH NINETY SIX THOUSAND ONE HUNDRED EIGHTY SIX Rupees TWO Paise Only

TERMS AND CONDITIONS

1. Scope:

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ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taha Tana Construction Agency has completed the work," Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage1800.00 to 2000.00 m (Ch 0.00m at TAH) Grp-5 ." as per Specifications mentioned in BOQ, wide P.O No: 3700001848 DTD : 28/03/2022, *in all respect on 23/04/2022 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700005019 / Dt : 13.03.2023

To,

Vendor Name	:	M/s B. Tana Enterprise Hoz
Vendor Code	:	101513
Address	:	,
	:	DAKTE HOZ,- 791111 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AJAPT7881M
GSTIN No.	:	12AJAPT7881M2ZN

Sub: Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-2, Ch: 2400.00m to Ch: 2600.00m)

Ref: NIT No. 15 of 2022-2023/HCMW Dtd: 12/12/2022

Dear Sir/Madam,
In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-2, Ch: 2400.00m to Ch: 2600.00m)" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10001395	Preparation and Surface Treatment	600.000	M2	Basic Price	2.54	1,524.00
					CGST %	9.00%	137.00
					SGST %	9.00%	137.00
					Total		1,798.00
10.2	10001076	PCC Grade M20 - Including shuttering	120.000	M3	Basic Price	8,887.29	10,66,474.80
					CGST %	9.00%	95,983.00
					SGST %	9.00%	95,983.00
					Total		12,58,440.80
10.3	10001395	Maintenance Earthen Shoulder	480.000	M2	Basic Price	84.75	40,680.00
					CGST %	9.00%	3,661.00
					SGST %	9.00%	3,661.00
					Total		48,002.00
10.4	10001455	Excavation in ordinary rock manual means	144.000	M3	Basic Price	416.10	59,918.40
					CGST %	9.00%	5,393.00
					SGST %	9.00%	5,393.00
					Total		70,704.40
10.5	10001076	PCC Grade M15 - Including shuttering	83.000	M3	Basic Price	8,440.68	7,00,576.44
					CGST %	9.00%	63,052.00
					SGST %	9.00%	63,052.00
					Total		8,26,680.44
					Total Basic Price		18,69,173.64
					Total CGST %		1,68,226.00
					Total SGST %		1,68,226.00
					Total PO Val.		22,05,825.64

TWENTY TWO LAKH FIVE THOUSAND SIX HUNDRED TWENTY FIVE Rupees SIXTY FOUR Paise Only

TERMS AND CONDITIONS

1. Scope:

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COMPLETION CERTIFICATE

Certified that the work- **Construction of CC road & CC drain along Surge Shaft Road at Dikrong Power House site, Hoj, PLHPS, A.P. (Grp-2, Ch: 2400.00m to Ch: 2600.00m)** executed by M/s B. Tana Enterprise, Hoj, A.P. vide **Purchase Order- 3700005019/ Dtd. 13/03/2023)** has been completed on 24/04/2023 within the stipulated time and as per specifications mentioned in BOQ and No T&P materials are issued to the contractor.

सहायक अभियंता (सिविल)
ASSISTANT ENGINEER (Civil)
हौज सिविल मैन्टिनेन्स विंग
PLHPS, NEEPCO LTD, A.P.

Dy. General Manager (C)
Hoz Civil Maintenance Wing
PLHPS NEEPCO Ltd.
Hoz, (A.P.)

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ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taha Tana Construction Agency has completed the work," Construction of CC Road & CC drain along surge shaft road of RHEP, A.P, at chainage2000.00 to 2200.00 m (Ch 0.00m at TAH) Grp-6 ." as per Specifications mentioned in BOQ, wide P.O No: 3700001849 DTD : 28/03/2022, *in all respect on 19/04/2022 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
भारत सरकार का उपक्रम
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Panyor Lower Project
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658
ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ Dated 26.04.2023

To,

M/s Bida Enteprise
Vill:- Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of check Dam (Phase-I) on Upstream of Existing Check Dam at Abdullah Nallah, PLHPS, Yazali, Ar. Pr."**

Ref: This office LNIT no. PLHPS/GM/109/2022-23 Dtd 24.03.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of check Dam (Phase-I) on Upstream of Existing Check Dam at Abdullah Nallah, PLHPS, Yazali, Ar. Pr."** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of check Dam (Phase-I) on Upstream of Existing Check Dam at Abdullah Nallah, PLHPS, Yazali, Ar. Pr."** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 24,61,349.00** (Rupees Twenty-Four lakhs Sixty-one thousand Three hundred Forty-Nine) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60** (Sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check dam (Phase-I) on Upstream of Existing Check Dam at Abdullah Nallah,PLHPS, Yazali, Ar. Pr." amounting to Rs.24,61,349.00 (Rupees Twenty four lakhs sixty one thousand three hundred forty nine) only has been completed on dated 22.05.23 by the Contractor, M/s Gd. Enterprises as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2023-24/139 dtd 26.04.2023

DGM©, HSM

D.M(C), HSM.

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check dam (Phase-II) on Upstream of Existing Check Dam at Abdullah Nallah,PLHPS, Yazali, Ar. Pr." amounting to Rs.19,70,457.00 (Rupees Nineteen lakhs seventy thousand four hundred fifty seven) only has been completed on dated 24.05.23 by the Contractor, M/s T.J ENTERPRISES as per specification and direction Vide Work Order No. NEEPCO RHEP GM©/201/2023-24/02 dtd 17.04.2023

D.M(C), HSM.

FY 2023-2024 Annexure-5

COMPLETION CERTIFICATE.

Certified that the work "Construction of new pedestrian road from 43km NEEPCO colony to RHPS Dam through right bank of reservoir from Ch. 810.00m to Ch. 1585.00, (Ch. 0.0m at gate near RHPS intake), Ar. Pr, Group-II" amounting to Rs.54,29,070.00 (Rupees Fifty four lakhs twenty nine thousand seventy) only has been completed on dated 09.05.2023 by the Contractor, M/s Nabam Tad as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM©/201/22-23/ 1658 dtd 13.01.2023

D.M(C), HSM.

DGM©, HSM

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नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Government of India Enterprise)

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,

Dist. Lower Subansiri, 791 119, A.P.

CIN – U40101ML1976GOI001658

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

No. NEEPCO/RHEP/GM(C)/201/2022-23/ 695 Dated 23.11.2022

To,

M/s Nabam Tad
Vill:- Amchi
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Constructing of new pedestrain road from 43Km NEEPCO colony to RHPS Dam through right bank of reservoir from Ch. 0.00m to 810.00m (Ch. 0.00m at gate near RHPS Intake.)GROUP-I**

Ref: This office LNIT no. RHEP//GM/ 15 /2022-23 dtd. 30.09.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Constructing of new pedestrain road from 43Km NEEPCO colony to RHPS Dam through right bank of reservoir from Ch. 0.00m to 810.00m (Ch. 0.00m at gate near RHPS Intake.) GROUP- I** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS

1. **Scope of work:** - The work is for **construction of new pedestrain road from 43Km NEEPCO colony to RHPS Dam through right bank of reservoir from Ch. 0.00m to 810.00m (Ch. 0.00m at gate near RHPS Intake.) GROUP-I** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 50,14,625.00** (Rupees fifty lacs fourteen thousand six hundred twenty five) only which is inclusive of all applicable taxes.
3. **Time of completion: - 7 (Seven) months** from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay**: In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

Office of the General Manager (C)

Ranganadi Hydro Electric Plant, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/RHEP/GM(C)/201/2022-23/ Dated 13/01/2023

To,

M/s Nabam Tad
Vill:- Amchi
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of new pedestrian road from 43Km, NEEPCO Colony, RHPS Dam through right bank of reservoir, Yazali, A.P. (Ch. 11.00m to 810.00M is at Intake Gate. GROUP-II"**

Ref: This office LNIT no. RHEP//GM/ 23 /2021-22 dtd. 14.11.2022

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **Name of work:- Construction of new pedestrian road from 43Km, NEEPCO Colony, RHPS Dam through right bank of reservoir, Yazali, A.P. (Ch. 11.00m to 810.00M is at Intake Gate. GROUP-II.** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **Construction of new pedestrian road from 43Km, NEEPCO Colony, RHPS Dam through right bank of reservoir, Yazali, A.P. (Ch. 11.00m to 810.00M is at Intake Gate. GROUP-II.** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - 50,31,760.00** (Rupees Fifty lakhs thirty-one thousand seven hundred Sixty) only which is inclusive of all applicable taxes.
3. **Time of completion:** - 7(Seven) Months from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation..
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.

COMPLETION CERTIFICATE.

Certified that the work "Construction of new pedestrian road from 43km NEEPCO colony to RHPS Dam through right bank of reservoir from Ch. 0.00m to Ch. 810.00, (Ch. 0.0m at gate near RHPS intake), Ar. Pr, Group-I" amounting to Rs.52,62,435.00 (Rupees Fifty-two lakhs sixty two thousand four hundred thirty five) only has been completed on dated 03.04.2023 by the Contractor, M/s Nabam Tad as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM©/201/22-23/ 695 dtd 23.11.2022

DGM©, HSM

D.M(C), HSM.

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. :E-Mail:

Purchase Order-3700004683 / Dt : 04.02.2023

To,
Vendor Name : M/s B. Tana Enterprise Hoz
Vendor Code : 101513
Address :
: DAKTE HOZ,- 791111 Arunachal Pradesh, India
Contact No :
Email ID :
PAN No. : AJAPT7881M
GSTIN No. : 12AJAPT7881M2ZN

Sub: Construction of Plan-IV (1) at Dikrong Power House Hoj, PLHPS, Arunachal Pradesh.

Ref: NIT NO: 08 of 2022-23/HCMW Dtd:07/11/2022

Dear Sir/Madam,
With reference to the above NIT, the work for "Construction of Plan-IV(1)" at dikrong power house complex,PLHPS, Hoj, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant is pleased to placethis work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000156	Surface dressing @ 150 mm deep	165.000	M2	Basic Price	14.10	2,326.50
					CGST %	9.00%	209.00
					SGST %	9.00%	209.00
					Total		2,744.50
10.2	10000489	Earthwork Excav foundtren: =<50%shingle	9.000	M3	Basic Price	268.37	2,415.33
					CGST %	9.00%	217.00
					SGST %	9.00%	217.00
					Total		2,849.33
10.3	10000075	Sandfilling in plinth, foundation,othera	21.613	M3	Basic Price	1,193.60	25,797.28
					CGST %	9.00%	2,322.00
					SGST %	9.00%	2,322.00
					Total		30,441.28
10.4	10000076	PCC (1:2:4) upto Plinth- 20mm stone	1.440	M3	Basic Price	7,178.70	10,337.33
					CGST %	9.00%	930.00
					SGST %	9.00%	930.00
					Total		12,197.33
10.5	10000414	Centring & shutter:Found,mass concrete.	10.260	M2	Basic Price	334.00	3,426.84
					CGST %	9.00%	308.00
					SGST %	9.00%	308.00
					Total		4,042.84
10.6	10000418	Centin shutter:Lintel, beam, girder etc	83.070	M2	Basic Price	441.18	36,648.92
					CGST %	9.00%	3,298.00
					SGST %	9.00%	3,298.00
					Total		43,244.82
10.7	10000415	Centring & shutter:Col, Pl, Posts Etc	32.400	M2	Basic Price	528.00	17,107.20
					CGST %	9.00%	1,540.00
					SGST %	9.00%	1,540.00
					Total		20,187.20

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ISO 9001-2008

ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)

Hoz Civil Maintenance Wing, PLHPS, Yayee, A.P.

E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S B. Tana Enterprises has completed the work," Construction of Plan-IV (1) at dikrong Power House hoj, PLHPS, A.P" as per Specifications mentioned in BOQ, wide P.O no: 3700004683 dtd 04/02/2023 , *in all respect on 04/04/2023 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700004702 / Dt : 06.02.2023

To,	
Vendor Name	BENGIA TARIN
Vendor Code	102405
Address	HOZ,- 791112 Arunachal Pradesh, India
Contact No	8119984185
Email ID	Gumshibengia@gmail.com,
PAN No.	CYIPB2710E
GSTIN No.	

Sub: Construction of Plan-IV (2) at Dikrong Power House Hoj, PLHPS, Arunachal Pradesh

Ref: NIT NO: 09 of 2022-23/HCMW Dtd:07/11/2022

Dear Sir/Madam,
With reference to the above NIT, the work for "Construction of Plan-IV(2)' at dikrong power house complex,PLHPS, Hoj, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000156	Surface dressing @ 150 mm deep	165.000	M2	Basic Price	14.09	2,324.85
					CGST %	9.00%	209.00
					SGST %	9.00%	209.00
					Total		2,742.85
10.2	10000489	Earthwork Excav found/ren =<50%shingle	9.000	M3	Basic Price	268.33	2,414.97
					CGST %	9.00%	217.00
					SGST %	9.00%	217.00
					Total		2,848.97
10.3	10000675	Sandfilling in plinth, foundation,others	21.613	M3	Basic Price	1,193.58	25,796.84
					CGST %	9.00%	2,322.00
					SGST %	9.00%	2,322.00
					Total		30,440.84
10.4	10000676	PCC (1:2:4) upto Plinth- 20mm stone	1.440	M3	Basic Price	7,178.54	10,337.24
					CGST %	9.00%	930.00
					SGST %	9.00%	930.00
					Total		12,197.24
10.5	10000414	Centring & shutter:Found,mass concrete	10.260	M2	Basic Price	333.99	3,426.74
					CGST %	9.00%	308.00
					SGST %	9.00%	308.00
					Total		4,042.74
10.6	10000418	Centrin shutter:Lintel, beam, girder etc	82.079	M2	Basic Price	441.09	36,841.35
					CGST %	9.00%	3,298.00
					SGST %	9.00%	3,298.00
					Total		43,237.35

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ISO 9001-2008

ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)

Hoz Civil Maintenance Wing, PLHPS, Yayee, A.P.

E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Bengia Tarin has completed the work," Construction of Plan-IV (2) at dikrong Power House hoj, PLHPS, A.P" as per Specifications mentioned in BOQ, wide P.O no: 3700004702 dtd 06/02/2023 , *in all respect on 06/04/2023 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3700004266 / Dt : 16.01.2023

To,

Vendor Name	:	PAGATARA CORPORATION PVT LTD
Vendor Code	:	101856
Address	:	,
	:	TORU CIRCLE,- 791112 Arunachal Pradesh, India
Contact No	:	8258020338
Email ID	:	,
PAN No.	:	AALCP8579R
GSTIN No.	:	12AALCP8579R1ZC

Sub: Construction of Protection wall Chainage no.0.00 RM to 16.5 RM for 400KV GIS Bay Extension at PLHPS, A,P,India.

Ref: 1.HOP,PLHPS U.O No.2194 Dtd.15/11/2022
2.LNIT No.06 of 2022-23 Dtd.21/10/2022

Dear Sir/Madam,

The undersigned on behalf of the North Eastern Electric Power Corporation Ltd., 405 MW Panyor Lower Hydro Power Station(hereinafter referred to as "the Owner") is pleased to place this work order for Construction of Protection Wall Chainage no. 0.00RM to 16.5RM for 400KV GIS Bay Extension at PLHPS,NEEPCO Ltd.,A.P upon you (hereinafter referred to as "the contractor")for the execution of work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000465	Earthwork in ex F/trench:Soft>50%Shingle	74.250	M3	Basic Price	264.14	19,612.40
					CGST %	9.00%	1,765.00
					SGST %	9.00%	1,765.00
					Total		23,142.40
10.2	10001061	Concrete 1:2:4 in foundation/Plinth	51.975	M3	Basic Price	6,793.33	3,53,083.33
					CGST %	9.00%	31,778.00
					SGST %	9.00%	31,778.00
					Total		4,16,639.33
10.3	10000876	Centering & shuttering in walls	148.500	M2	Basic Price	429.97	63,860.56
					CGST %	9.00%	5,747.00
					SGST %	9.00%	5,747.00
					Total		75,344.55
10.4	10001503	Gabion etruture for erosion control	202.950	M3	Basic Price	4,291.05	8,70,870.63
					CGST %	9.00%	78,378.00
					SGST %	9.00%	78,378.00
					Total		10,27,626.63
					Total Basic Price		13,07,416.91
					Total CGST %		1,17,668.00
					Total SGST %		1,17,668.00
					Total PO Val		15,42,752.91

FIFTEEN LAKH FORTY TWO THOUSAND SEVEN HUNDRED FIFTY TWO Rupees NINETY ONE Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of Protection Wall Chainage no. 0.00RM to 16.5RM for 400KV GIS Bay Extension at PLHPS,NEEPCO Ltd.,A.P.The work is to be executed as per technical Specification attached.
The work should be started in consultation with the Assistant Engineer(civil),Dikrong Power House

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check dam at Pai Nallah, PLHPS, Yazali, Ar. Pr.." amounting to Rs.25,02,813.00 (Rupees Twenty five lakhs two thousand eight hundred thirteen) only has been completed on dated 03.07.23 by the Contractor, M/s Bamang Takam as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM©/201/2023-24/201 dtd 13.06.2023

D.M(C), HSM.

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check dam at Pai Nallah, PLHPS, Yazali, Ar. Pr.." amounting to Rs.25,02,813.00 (Rupees Twenty five lakhs two thousand eight hundred thirteen) only has been completed on dated 03.07.23 by the Contractor, M/s Bamang Takam as per specification and direction Vide Work Order No. NEEPCO/RHEP/ GM©/201/2023-24/201 dtd 13.06.2023

D.M(C), HSM.

.....

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COMPLETION CERTIFICATE.

Certified that the work "Construction of a Check dam at Pai Nallah, PLHPS, Yazali, Ar. Pr.." amounting to Rs.25,02,813.00 (Rupees Twenty five lakhs two thousand eight hundred thirteen) only has been completed on dated 03.07.23 by the Contractor, M/s Bamang Takam as per specification and direction Vide Work Order No. NEEPCO/RHEP/GM©/201/2023-24/201 dtd 13.06.2023

D.M(C), HSM.

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नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Ranganadi Project,
Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

ISO 9001-2008, ISO 14001-2004
BS OHSAS 18001-2007

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ 201 Dated 13.06.2023

To,

M/s. **Bamang Takam**
Village: Possa
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of a Check dam at Pai Nallah, PLHPS, Yazali, Arunachal Pradesh"**

Ref: This office LNIT no. PLHPS/GM/03/2023-24 Dtd 26.04.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of a Check dam at Pai Nallah, PLHPS, Yazali, Arunachal Pradesh"** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of a Check dam at Pai Nallah, PLHPS, Yazali, Arunachal Pradesh"** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:** - **20,15,591.00** (Rupees Twenty lakhs Fifteen thousand Five Hundred Ninety-one) only which is inclusive of all applicable taxes.
3. **Time of completion:** - **60**(Sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation.
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700005583 / Dt : 11.05.2023

To,

Vendor Name	:	BENGIA LOOG ENTERPRISES
Vendor Code	:	102406
Address	:	,
	:	HOZ,- 791112 Arunachal Pradesh, India
Contact No	:	8794320270
Email ID	:	Gammine95@gmail.com,
PAN No.	:	AYBPL8441P
GSTIN No.	:	12AYBPL8441P1Z5

Sub: Construction of Plan-IV(4) at Dikrong Power House Hoj, PLHPS, Arunachal Pradesh.

Ref: NIT NO: 10 of 2022-23/HCMW Dtd:07/11/2022

Dear Sir/Madam,
With reference to the above NIT, the work for "Construction of Plan-IV(4)" at dikrong power house complex,PLHPS, Hoj, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000156	Surface dressing @ 150 mm deep	165.000	M2	Basic Price CGST % SGST % Total	14.09 9.00% 9.00%	2,324.85 209.00 209.00 2,742.85
10.2	10000469	Earthwork Excav found/tren: =<50%shingle	9.000	M3	Basic Price CGST % SGST % Total	260.33 9.00% 9.00%	2,414.97 217.00 217.00 2,848.97
10.3	10000075	Sandfilling in plinth, foundation others	21.613	M3	Basic Price CGST % SGST % Total	1,196.58 9.00% 9.00%	25,796.84 2,322.00 2,322.00 30,440.84
10.4	10000076	PCC (1:2:4) upto Plinth- 20mm stone	1.440	M3	Basic Price CGST % SGST % Total	7,178.64 9.00% 9.00%	10,337.24 930.00 930.00 12,197.24
10.5	10000414	Centring & shutter:Found,mass concrete.	10.260	M2	Basic Price CGST % SGST % Total	333.99 9.00% 9.00%	3,426.74 308.00 308.00 4,042.74
10.6	10000418	Centrin shutter:Lintel, beam, girder etc	83.070	M2	Basic Price CGST % SGST % Total	441.09 9.00% 9.00%	36,641.35 3,298.00 3,298.00 43,237.35
10.7	10000415	Centring & shutter:Col, Pil, Posts Etc	32.400	M2	Basic Price CGST % SGST % Total	531.17 9.00% 9.00%	16,181.91 1,636.00 1,636.00 21,453.91

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ISO 9001-2008

ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, PLHPS, Yayee, A.P.
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Bengia Loog has completed the work," Construction of Plan-IV (4) at dikrong Power House hoj, PLHPS, A.P" as per Specifications mentioned in BOQ, wide P.O no: 3700005583 dtd 11/05/2023 , *in all respect on 31/08/2023 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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COMPLETION CERTIFICATE.

Certified that the work "Construction of Check Dams on Kamso Nallah near DPH, PLHPS, 43 Km, Yazali, Arunachal Pradesh" amounting to Rs.22,57,508.00 (Rupees Twenty-two lakhs fifty-seven thousand five hundred eight) only has been completed on dated 13.11.23 by the Contractor, M/s Chukhu Taro as per specification and direction Vide Work Order No. NEEPCO/PLHPS/ GM©/201/2023-24/1230 dtd 12.10.2023

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Panyor Lower Project, Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ 1230 Dated 12.10.2023

To,

M/s Chukhu Taro
Village:- Possa
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of Check Dams on Kamso Nallah near DPH, PLHPS, 43 Km, Yazali, Arunachal Pradesh."**

Ref: This office's LNIT No – PLHPS/GM/35/2023-24 Dtd 08.08.2023

Dear Sirs,

In inviting reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of Check Dams on Kamso Nallah near DPH, PLHPS, 43 Km, Yazali, Arunachal Pradesh."** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of Check Dams on Kamso Nallah near DPH, PLHPS, 43 Km, Yazali, Arunachal Pradesh."** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:- Rs. 22,57,508.00** (Rupees Twenty-Two lakhs Fifty-Seven Thousand Five Hundred Eight) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60**(Sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation.
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building Cess etc. as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period: -** The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and

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COMPLETION CERTIFICATE.

Certified that the work "Construction of boundary fencing at the Dam Left Bank Reservoir side, PLHPS, 41 Km, Yazali, Arunachal Pradesh" amounting to Rs. 11,46,402.00(Rupees Eleven Lakhs forty six thousand four hundred two) only has been completed on dated 27.11.23 by the Contractor, M/s T. J Enterprise as per specification and direction Vide Work Order No. NEEPCO/PLHPS/GM©/23-24/201/1194 dtd 06.10.23

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Panyor Lower Project, Dist. Lower Subansiri, **791 119, A.P.**
CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ 1194 Dated 06.10.2023

To,

M/s **T.J. Enterprise**
Village: Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of boundary fencing at the Dam Left Bank Reservoir Side, PLHPS, 41 Km, Yazali, Ar. Pr."**

Ref: This office's NIT No – PLHPS/GM/40/2023-24 Dtd 05.09.2023

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of boundary fencing at the Dam Left Bank Reservoir Side, PLHPS, 41 Km, Yazali, Ar. Pr."** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of boundary fencing at the Dam Left Bank Reservoir Side, PLHPS, 41 Km, Yazali, Ar. Pr."**as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:- Rs. 11,46,402.00** (Rupees Eleven lakhs Forty-Six Thousand Four Hundred Two) only which is inclusive of all applicable taxes.
3. **Time of completion:** - **60**(Sixty) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation.
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and

P.O - 3760607645
S.E - 10000339B3

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346,E-Mail: tanyataji@neepco.co.in

Purchase Order-3600000832 / Dt : 05.04.2022

To,

Vendor Name	:	SSBG-ER (BHEL), Kolkata
Vendor Code	:	101884
Address	:	,
	:	KOLKATA,- 700091 West Bengal, India
Contact No	:	03323211686
Email ID	:	rodcommi@bhelpser.co.in,
PAN No.	:	AAACB4146P
GSTIN No.	:	19AAACB4146P1ZC

Sub:
ORDER FOR SUPPLY OF UGB PLUG IN TYPE OIL COOLER FOR DIKRONG POWER HOUSE,RHPS, NEEPCO LTD

Ref:
1. Our letter no. RHEP/DGM(E/M)/PH&SY(O&M)/T-5/21-22/1158 dtd. 01.10.21
2. Offer No. PS/SSBG/KOL/SB21K0428/HRG/BPH/0053 dtd. 25.02.22

Dear Sir/Madam,
Dear Sir(s),
The Corporation is pleased to place this order for supply of following UGB Plug in Type Oil Cooler for Dikrong Power Station, Ranganadi HP Station as per specifications, prices, quantity, Scope of Work and terms & conditions are given below.

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10	80810501500280	OILCOOLER:BHEL HD 5kW 16 Cu TUBES/COOLER	8.000	NO	Basic Price	2,64,500.00	21,16,000.00
					Discount % on Gross	3.00-%	63,480.00-
					Freight (Value) - GST		55,000.00
					IGST %	18.00%	3,79,353.60
					Total		24,86,873.60
					Total Basic Price		21,16,000.00
					Total Discount % on Gross		63,480.00-
					Total Freight (Value) - GST		55,000.00
					Total IGST %		3,79,353.60
					Total PO Val.		24,86,873.60

TWENTY FOUR LAKH EIGHTY SIX THOUSAND EIGHT HUNDRED SEVENTY THREE Rupees SIXTY Paise Only

TERMS AND CONDITIONS

1. Scope:
SCOPE OF SUPPLY:

(i) The Scope of Supply under this contract includes the Design, Manufacturing, Shop testing at manufacturers works before dispatch, supply, Delivery at site of UGB Plug in type Oil Cooler for Dikrong Power House of Ranganadi H.P. Station as per the detailed in the Schedule of Items & prices indicated above.

(ii) The Cooler under this contract shall have one to one matching with the mother equipment of Ranganadi HP Station supplied by you.

(iii) In case of mismatching, the supplier shall be responsible for re-matching, re-manufacturing and supply of material without any additional cost to the corporation.

(iv) The quality and property of material shall be as per the original specification.

North Eastern Electric Power Corporation Limited

FY 2023-2024 Annexure-23

Materials Goods Receipt

ods Receipt Number	5000028279	Goods Receipt Date	Dec 28, 2023
nsignee / Receiver Plant		1100 - PANYOR LOWER HYDRO POWER PROJECT (PLHPS)	
nsignee / Receiver Storage Location		-	
ivery Note No		SUPPLIED	
ndor Address		101884 - SSBG-ER (BHEL), Kolkata DJ-9/1, 3rd Floor, Kolkata West Bengal	
nsporter Name			
hicle Number		AR01M9269	
R No.		28122023	
R Date		Dec 28, 2023	
O Number	3600003283	PO Date	Dec 22, 2023

No.	Material No.	Description	Qty Rcvd	UOM	Delivery Note Qty	Pending Po Qty	Valuation Type / Batch	WBS Element & Description	Project & Description
		Needle Assembly for Bypass Valve	2	NO	2.000	0			

emarks

Signature
(Site Engineer)

Signature
(Store Incharge)
RE KEEPER
HOUSE STORE
NEEPCO LTD.

वरिष्ठ प्रबंधक (वि./य.)
Sr. Manager (E/M)-IV
करोंग पोवर हाउस, नीपको लि., होज (अ.प्र.)
, PLHPS, NEEPCO Ltd., Hoj (A.P.)

North Eastern Electric Power Corporation Limited

Office of the Senior Manager (E/M)
PANYOR LOWER HYDRO POWER STATION
HOJ-791112, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3600003283/Dt:22.12.2023

To,

Vendor Name	:	SSBG-ER (BHEL), Kolkata
Vendor Code	:	101884
Address	:	,
	:	KOLKATA,- 700091 West Bengal, India
Contact No	:	03323211886
Email ID	:	rodcomml@bhelpser.co.in,
PAN No.	:	AAACB4146P
GSTIN No.	:	19AAACB4146P1ZC

Sub:
ORDER FOR SUPPLY OF BYPASS VALVE AND ITS ACCESSORIES FOR DIKRONG POWER HOUSE, PLHPS, NEEPCO Ltd., HOJ, A.P.

Ref:
1. LOI No. PLHPS/GM(E/M)/T-105(M)/22-23/150, Dated 29-12-2022.
2. PO No. PLHPS/GM(E/M)/T-105(M)/22-23/171, Dated 12-01-2022.
3. Offer No. PS/SSBG-KOL/SB21K0011/BPH/HRG/0050, Dated 28-09-2021.

Dear Sir/Madam,
The Corporation is pleased to place this order for supply of Bypass Valve and its accessories for Dikrong Power House, Panyor Lower Hydro Power Station, NEEPCO Ltd., Arunachal Pradesh for an amount of Rs 63,89,026.00 (Rupees sixty three lakh eighty nine thousand twenty six) only inclusive of GST after 3% discount. Details are as per specifications, price, quantity, Scope of Work and terms & conditions given below.

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10		Bypass Valve Complete Assembly 200 Dia	1.000	NO	Basic Price	29,42,500.00	29,42,500.00
					Discount % on Net	3.00-%	88,275.00-
					Freight (Vlue) - GST		1,09,474.11
					IGST %	18.00%	5,33,466.00
					Total		34,97,165.11
20		Piston Ring for Bypass Valve	6.000	NO	Basic Price	40,700.00	2,44,200.00
					Discount % on Net	3.00-%	7,326.00-
					Freight (Vlue) - GST		9,085.33
					IGST %	18.00%	44,273.00
					Total		2,90,232.33
30		Needle Assembly for Bypass Valve	2.000	NO	Basic Price	10,94,500.00	21,89,000.00
					Discount % on Net	3.00-%	65,670.00-
					Freight (Vlue) - GST		81,440.56
					IGST %	18.00%	3,96,859.00
					Total		26,01,629.56
					Total Basic Price		53,75,700.00
					Total Discount % on Net		1,61,271.00-
					Total Freight (Vlue) - GST		2,00,000.00
					Total IGST %		9,74,598.00
					Total PO Val.		63,89,027.00

SIXTY THREE LAKH EIGHTY NINE THOUSAND TWENTY SEVEN Rupees Only

TERMS AND CONDITIONS

1. Scope:
(i) The Scope of supply under this contract includes the Design, Manufacturing, Supply, Delivery of Bypass Valve and its accessories for Dikrong Power House, Panyor Lower Hydro Power Station, NEEPCO Ltd., Arunachal Pradesh as per the detailed in the Schedule of Items & Price indicated above.
(ii) The Bypass Valve under this contract shall have one to one matching with the mother equipment of Panyor Lower HP Station (earlier was

COMPLETION CERTIFICATE.

Certified that the work "Construction of Road connecting Dam R/bank to Dam Downstream gate, PLHPS Dam Site,41km, PLHPS, NEEPCO, Yazali, Ar. Pr" amounting to Rs. 20,56,565.00 (Rupees Twenty Lakhs fifty six thousand five hundred sixty five) only has been completed on dated 27.03.24 by the Contractor, M/s T.R Enterprise as per specification and direction Vide Work Order No. NEEPCO/PLHPS/GM©/23-24/201/2031 dtd 01.03.24

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Govt. of India Enterprise)
पैन्योर लोअर हाइड्रो पावर स्टेशन
PANYOR LOWER HYDRO POWER STATION
O/o the General Manager (Civil), PLHPS, Yazali, Arunachal Pradesh
Website – www.neepco.co.in, CIN-U40101ML1976GOI001658

ISO 9001:2015, 14001:2015
& 45001:2018

1021
8/3/24

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ 2031 Dated 01.3.2024

To,

M/s T.R Enterprise
Vill: - Rub, Yazali
Arunachal Pradesh

PR→ 1400000719
P.O→ 3700008762
S.E→ 1000038617
Comp→ 27/3/2024

Sub.:- Work Order for "Construction of Road connecting Dam R/bank to Dam Downstream gate, PLHPS Dam Site,41km, PLHPS, NEEPCO,Yazali, Ar. Pr"

Ref. :- NIT no. – PLHPS/GM(C)/123/2023-24 Dated 28/12/2023

Dear Sir(s),

With reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of Road connecting Dam R/bank to Dam Downstream gate, PLHPS Dam Site,41km, PLHPS, NEEPCO, Yazali, Ar. Pr "as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS: -

1. Scope of work: - The work is for "Construction of Road connecting Dam R/bank to Dam Downstream gate, PLHPS Dam Site,41km, PLHPS,NEEPCO,Yazali, Ar. Pr "as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. Value of work: - **Rs. 20,56,565.00** (Rupees Twenty lakhs fifty six thousand five hundred and sixty five)only which is inclusive of all applicable taxes.
3. Time of completion: - **31** *(Thirty-One) Days from the date of issue of this order.* Time is the essence of the contract and shall be strictly adhered to.
4. Quantity and Rates: - The rates as specified in the BOQ shall remain firm and no price escalations in any form are admissible irrespective of any quantity variation.
5. Compensation for Delay: - In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
6. Issue of store materials and machinery: No material and T&P shall be issued from the Department. All equipment, machinery and accessories required for completion of the work will be under the scope of the contractor and the cost of transportation, if any, will also have to be borne by the contractor.

North Eastern Electric Power Corporation Limited
Office of the Gen. Manager (Civil)
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh,
IndiaTel. No. :E-Mail:

Purchase Order-3700008155 / Dt : 01.02.2024

To,
Vendor Name : TDR ENTERPRISE
Vendor Code : 101694
Address : Village Potin, Yazali,
: YAZALI- 791119 Arunachal Pradesh, India
Contact No :
Email ID :
PAN No. : AFTPT6477Q
GSTIN No. : 12AFTPT6477Q2Z7

Sub: Work Order for "Construction of Road connecting Dumping Yard to Dam-Intake road, PLHPS DamSite,41km, PLHPS, NEEPCO, Yazali, Ar. Pr

Ref: This office's NIT No # PLHPS GM(C)/62 2023-24 Dtd 09.11.2023

Dear Sir/Madam,
In inviting reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Construction of Road connecting Dumping Yard to Dam-Intake road, PLHPS Dam Site,41km, PLHPS, NEEPCO, Yazali, Ar. Pr" as per terms & conditions stipulated hereunder.

S.No	Service Code	Service Des.	Qty.	Unit			Total Price
10		road connecting dumping yard to mak rd	1.000	AU			2,112,736.22
10.10	10000623	Scarifying existing surface	290.000	M2	Basic Price CGST % SGST % Total	34.74 9.00% 9.00%	10,074.60 907.00 907.00 11,888.60
10.20	10000073	Construction of embankment	660.625	M3	Basic Price CGST % SGST % Total	232.20 9.00% 9.00%	1,60,393.13 14,433.00 14,433.00 1,89,229.13
10.30	10000716	Granular Sub-base	101.250	M3	Basic Price CGST % SGST % Total	2,204.24 9.00% 9.00%	2,23,179.30 20,086.00 20,086.00 2,63,351.30
10.40	10000619	Water bound macadam	101.250	M3	Basic Price CGST % SGST % Total	3,122.14 9.00% 9.00%	3,16,116.68 28,451.00 28,451.00 3,73,018.68
10.50	10000680	Applyng Prime coat bitumen emulsion(SS1)	1012.500	M2	Basic Price CGST % SGST % Total	43.22 9.00% 9.00%	43,760.25 3,938.00 3,938.00 51,636.25
10.60	10000662	Applyng tack coat wt bitumen emulsion(RS1	1012.500	M2	Basic Price CGST % SGST % Total	14.49 9.00% 9.00%	14,580.00 1,312.00 1,312.00 17,204.00
10.70	10001540	Providing and fixing in position bitumen	50.625	M3	Basic Price CGST % SGST % Total	16,683.05 9.00% 9.00%	8,54,704.41 76,923.00 76,923.00 10,08,550.41

Comp- 07/3/24
S.E- 10000 3196

COMPLETION CERTIFICATE.

Certified that the work "Construction of Road connecting Dumping Yard to Dam-Intake road, PLHPS Dam Site,41km, PLHPS, NEEPCO, Yazali, Ar. Pr" amounting to Rs. 21,12,736.00 (Rupees Twenty-one Lakhs twelve thousand seven hundred thirty-six) only has been completed on dated 07.03.24 by the Contractor, M/s TDR Enterprise as per specification and direction Vide Work Order No. NEEPCO/PLHPS/GM©/23-24/201/1746 dtd 01.02.24

DGM©, HSM

D.M(C), HSM.

E.S No. 1000032834
D.Dt. 26/03/2024

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700008384 / Dt : 07.03.2024

To,

Vendor Name	:	Taha Tara Tara Construction
Vendor Code	:	300191
Address	:	, , , Vill-Hoz(Yayee)P.O&P.S-Sagalee,
	:	Papumpare, HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	9774760301
Email ID	:	,
PAN No.	:	AEJPT5815K
GSTIN No.	:	12AEJPT5815K2Z7

Sub: Construction of GSB and WBM on approach road to executive guest house at dikrong power house colony, PLHPS, NEEPCO Ltd. Arunachal Pradesh, India

Ref: NIT No: 39 of 2023-24/PLHPS/HCMW dtd: 08/01/2024

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of GSB and WBM on approach road to executive guest house at dikrong power house colony, PLHPS, NEEPCO Ltd. Arunachal Pradesh, India" The undersigned on behalf of the North Eastern Electric Power Corporation, Panyor Lower Hydro Power Station is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit			Total Price
10		GSB and WBM executive guest house hoj	1.000	AU			1,558,649.50
10.10	10000623	Scarifying existing surface	995.000	M2	Basic Price	33.90	33,391.50
					CGST %	9.00%	3,005.00
					SGST %	9.00%	3,005.00
					Total		39,401.50
10.20	10000716	Granular Sub-base	295.000	M3	Basic Price	1,991.53	5,87,601.35
					CGST %	9.00%	52,875.00
					SGST %	9.00%	52,875.00
					Total		6,93,251.35
10.30	10006105	WBM-Screening Type-A 13.2mm Agg	295.000	M3	Basic Price	2,372.87	6,99,996.65
					CGST %	9.00%	63,000.00
					SGST %	9.00%	63,000.00
					Total		8,25,996.65
					Total Basic Price		13,20,869.50
					Total CGST %		1,18,880.00
					Total SGST %		1,18,880.00
					Total PO Val.		15,58,649.50

FIFTEEN LAKH FIFTY EIGHT THOUSAND SIX HUNDRED FORTY NINE Rupees FIFTY Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of GSB and WBM on approach road to executive guest house at dikrong power house colony, PLHPS, NEEPCO Ltd. Arunachal Pradesh, India

2. Value:

3. Price Basis:

APPWD-SOR-2021

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ISO 9001-2008
ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taha Tana Tara Construction Agency has completed the work, "Construction of GSB and WBM on approach road to executive guest house at dikrong power house colony, PLHPS, NEEPCO Ltd., Arunachal Pradesh, India." as per Specifications mentioned in BOQ, wide P.O No: 3700008384 DTD : 07/03/2024, *in all respect on 26/03/2024 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700007100 / Dt : 31.10.2023

To,

Vender Name	:	NCT Enterprises
Vender Code	:	101000
Address	:	,
	:	HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	9862639641
Email ID	:	,
PAN No.	:	AJQPT4461P
GSTIN No.	:	12AJQPT4461P1ZG

Sub: Construction of Plan-IV (11) at Dikrong Power House Hoj, PLHPS, Arunachal Pradesh.

Ref: NIT NO: 15 of 2023-24/PLHPS/HCMW Dtd:21/07/2023

Dear Sir/Madam,
With reference to the above NIT, the work for "Construction of Plan-IV(11)" at dikrong power house complex,PLHPS, Hoj, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Ranganadi Hydro Electric Plant is pleased to placethis work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000106	Surface dressing @ 150 mm deep	450.000	M2	Basic Price	14.45	6,502.50
					CGST %	9.00%	585.00
					SGST %	9.00%	585.00
					Total		7,672.50
10.2	10000169	Earthwork Excav foundtren: =<50%sl/ngle	16.520	M3	Basic Price	274.60	4,536.39
					CGST %	9.00%	408.00
					SGST %	9.00%	408.00
					Total		5,352.39
10.3	10000075	Sandfilling in plinth, foundation,others	43.225	M3	Basic Price	824.60	35,643.34
					CGST %	9.00%	3,208.00
					SGST %	9.00%	3,208.00
					Total		42,059.34
10.4	10000076	PCC (1:2:4) upto Plinth- 20mm stone	3.630	M3	Basic Price	6,338.96	24,276.29
					CGST %	9.00%	2,185.00
					SGST %	9.00%	2,185.00
					Total		28,646.29
10.5	10000414	Centring & shutter:Found,mass concrete.	41.050	M2	Basic Price	338.95	13,913.90
					CGST %	9.00%	1,252.00
					SGST %	9.00%	1,252.00
					Total		16,417.90
10.6	10000418	Centrin shutter:Lintel, beam, girder etc	205.850	M2	Basic Price	447.47	92,111.70
					CGST %	9.00%	8,290.00
					SGST %	9.00%	8,290.00
					Total		1,08,691.70
10.7	10000415	Centring & shutter:Col, Pl, Pools Etc	54.000	M2	Basic Price	570.33	30,797.82
					CGST %	9.00%	2,772.00
					SGST %	9.00%	2,772.00
					Total		36,341.82

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NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, PLHPS, Yupee, A.P.
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S N C T Enterprises has completed the work, " Construction of Plan-IV (11) at dikrong Power House hoj, PLHPS, A.P" as per Specifications mentioned in BOQ, vide P.O no: 3700007100 / Dt : 31.10.2023, *in all respect on 23/02/2024 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C), HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited

Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700007141 / Dt : 03.11.2023

To,

Vender Name	:	M/s Taba Tad, hoz
Vender Code	:	101621
Address	:	,
	:	DAKTE HOZ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	BIRPT5983R
GSTIN No.	:	12BIRPT5983R1ZZ

Sub: Construction of Plan-IV(13) at Dikrong Power House Complex, Hoj, PLHPS, A.P.

Ref: NIT No: 17 of 2023-24/PLHPS/HCMW DTd:21/07/2023

Dear Sir/Madam,
With reference to the above NIT, the work for "Construction of Plan-IV(12)" at dikrong power house complex,PLHPS, Hoj, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Panyor Lower Hydro Power Station is pleased to place this work order upon you(hereinafter referred to as "the contractor") for the execution of work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit	Unit Price		Total Price
10.1	10000156	Surface dressing @ 150 mm deep	460.000	M2	Basic Price CGST % SGST % Total	14.41 9.00% 9.00%	6,464.50 584.00 584.00 7,652.50
10.2	10000489	Earthwork Excav found/ren: =<50%shingle	16.250	M3	Basic Price CGST % SGST % Total	274.56 9.00% 9.00%	4,461.93 402.00 402.00 5,265.93
10.3	10000075	Sandfilling in plinth, foundation,others	43.225	M3	Basic Price CGST % SGST % Total	824.58 9.00% 9.00%	35,642.47 3,208.00 3,208.00 42,058.47
10.4	10000076	PCC (1:2:4) upto Plinth- 20mm stone	3.830	M3	Basic Price CGST % SGST % Total	6,338.98 9.00% 9.00%	24,278.29 2,185.00 2,185.00 28,648.29
10.5	10000414	Centring & shutter:Found,mass concrete.	41.050	M2	Basic Price CGST % SGST % Total	338.98 9.00% 9.00%	13,915.13 1,252.00 1,252.00 16,419.13
10.6	10000418	Centrin shutter:Lintel, beam, girder etc	205.850	M2	Basic Price CGST % SGST % Total	447.46 9.00% 9.00%	92,109.64 8,290.00 8,290.00 1,08,689.64
10.7	10000415	Centring & shutter:Col, Pil, Posts Etc	54.000	M2	Basic Price CGST % SGST % Total	570.34 9.00% 9.00%	30,798.36 2,772.00 2,772.00 36,342.36

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ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, PLHPS, Yayee, A.P.
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taba Tad has completed the work, " Construction of Plan-IV (13) at dikrong Power House hoj, PLHPS, A.P" as per Specifications mentioned in BOQ, wide P.O no: 3700007141 dtd 03/11/2023, *in all respect on 23/01/24 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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E.S No. 1000032834
D.O. 26/03/2024

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700008384 / Dt : 07.03.2024

To,

Vendor Name	:	Taha Tara Tara Construction
Vendor Code	:	300191
Address	:	, , , Vill-Hoz(Yayee)P.O&P.S-Sagalee,
	:	Papumpare, HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	9774760301
Email ID	:	
PAN No.	:	AEJPT5815K
GSTIN No.	:	12AEJPT5815K2Z7

Sub: Construction of GSB and WBM on approach road to executve guest house at dikrong power house colony, PLHPS, NEEPCO Ltd. Arunachal Pradesh, India

Ref: NIT No: 39 of 2023-24/PLHPS/HCMW dtd: 08/01/2024

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of GSB and WBM on approach road to executve guest house at dikrong power house colony, PLHPS, NEEPCO Ltd. Arunachal Pradesh, India" The undersigned on behalf of the North Eastern Electric Power Corporation, Panyor Lower Hydro Power Station is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des	Qty.	Unit			Total Price
10		GSB and WBM executive guest house hoj	1.000	AU			1,558,649.50
10.10	10000623	Scarifying existing surface	985.000	M2	Basic Price	33.90	33,391.50
					CGST %	9.00%	3,005.00
					SGST %	9.00%	3,005.00
					Total		39,401.50
10.20	10000710	Granular Sub-base	295.000	M3	Basic Price	1,991.53	5,87,001.35
					CGST %	9.00%	52,875.00
					SGST %	9.00%	52,875.00
					Total		6,93,251.35
10.30	10008108	WBM-Screening Type-A 13.2mm Agg	295.000	M3	Basic Price	2,372.87	6,99,995.65
					CGST %	9.00%	63,000.00
					SGST %	9.00%	63,000.00
					Total		8,25,995.65
					Total Basic Price		13,20,889.50
					Total CGST %		1,18,880.00
					Total SGST %		1,18,880.00
					Total PO Val.		15,58,649.50

FIFTEEN LAKH FIFTY EIGHT THOUSAND SIX HUNDRED FORTY NINE Rupess FIFTY Palse Only

TERMS AND CONDITIONS

1. Scope:

Construction of GSB and WBM on approach road to executve guest house at dikrong power house colony, PLHPS, NEEPCO Ltd. Arunachal Pradesh, India

2. Value:

3. Price Basis:

APPWD-SOR-2021

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ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yazee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taha Tana Tara Construction Agency has completed the work, "Construction of GSB and WBM on approach road to executive guest house at dikrong power house colony, PLHPS, NEEPCO Ltd., Arunachal Pradesh, India." as per Specifications mentioned in BOQ, wide P.O No: 3700008384 DTD : 07/03/2024, *in all respect on 26/03/2024 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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G. Check No: 100005 PRTS 6

D.o.l: 27/02/2024

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700000158 / Dt : 16.02.2024

To,

Vendor Name	:	M/s B. Tania Enterprise Hoz
Vendor Code	:	101613
Address	:	, , , Papumpare,
	:	Papumpare, DAKTE HOZ,- 791111 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AJAPT7661M
GSTIN No.	:	12AJAPT7661M2ZN

Sub: Construction of Plan-IV-5(2 Units) at Dikrong Power House Hoj, PLHPS, Arunachal Pradesh.

Ref: NIT NO: 22 of 2023-24/NCMW Dtd:01/12/2023

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of Plan-IV-5(2 Units)" at dikrong power house complex,PLHPS, Hoj, A.P." The undersigned on behalf of the North Eastern Electric Power Corporation, Panyor Lower Hydro Power Station is pleased to placethis work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit			Total Price
10		Construction of Plan IV 5 at Hoj	1.000	AU			1,667,847.69
10.10	10000100	Surface dressing @ 150 mm deep	65.000	M2	Basic Price	15.26	2,516.29
					CGST %	9.00%	226.99
					SGST %	9.00%	226.99
					Total		2,968.25
10.20	10000400	Earthwork Excav foundtren <=60%all/grte	9.000	M3	Basic Price	294.07	2,646.63
					CGST %	9.00%	238.09
					SGST %	9.00%	238.09
					Total		3,122.63
10.30	10000076	Sand filling in plinth, foundation,/Bare	21.813	M3	Basic Price	1,206.93	26,225.97
					CGST %	9.00%	2,540.00
					SGST %	9.00%	2,540.00
					Total		33,305.97
10.40	10000076	PCC (1:2:4) upto Plinth- 20mm stone	1.440	M3	Basic Price	7,856.00	11,311.32
					CGST %	9.00%	1,016.00
					SGST %	9.00%	1,016.00
					Total		13,347.32
10.50	10000414	Centring & shutter:Found,mass concrete.	10.260	M2	Basic Price	385.29	3,747.47
					CGST %	9.00%	337.00
					SGST %	9.00%	337.00
					Total		4,421.47
10.60	10000415	Centrin shutter:Lintel, beam, girder etc	83.070	M2	Basic Price	482.29	40,059.35
					CGST %	9.00%	3,605.00
					SGST %	9.00%	3,605.00
					Total		47,269.35
10.70	10000415	Centring & shutter:Col, Pil, Pede Etc	22.400	M2	Basic Price	614.41	16,930.06
					CGST %	9.00%	1,702.00
					SGST %	9.00%	1,702.00
					Total		23,493.86
10.80	10000413	Reinfor RCCwork bend, bind ,Plac Inplace	16016.910	KG	Basic Price	82.37	1,44,736.22
					CGST %	9.00%	13,026.00
					SGST %	9.00%	13,026.00
					Total		1,70,788.22

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NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintennance Wing, PLHPS, Yayee, A.P.
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S B. Tana Enterprise Hoj has completed the work," Construction of Plan-IV (5) at dikrong Power House hoj, PLHPS, A.P" as per Specifications mentioned in BOQ, wide P.O no: 3700008158 dtd 15/02/2024 , *in all respect on 29/03/2024 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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ISO 14001-2004& BS OHSAS 18001-2007
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, PLHPS, Yayee, A.P.
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S B Tana Enterprises has completed the work," Construction of Plan-IV (12) at dikrong Power House hoj, PLHPS, A.P" as per Specifications mentioned in BOQ, wide P.O no: 3700007138 dtd 03/11/2023, *in all respect on 31/01/2024 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700008369 / Dt : 05.03.2024

To,

Vendor Name	:	PAGATARA CORPORATION PVT LTD
Vendor Code	:	101856
Address	:	, , , Dekte Hoj.
	:	PAPUM PARE, TORU CIRCLE,- 791112 Arunachal Pradesh, India
Contact No	:	8258020338
Email ID	:	,
PAN No.		AALCP8579R
GSTIN No.	:	12AALCP8579R1ZC

Sub: Condtruction of PCC breast wall and ;cc ;drain behind PH store at DPH, PLHPS, hoj.
Ref: NIT: no 38 of 2023-24/PLJPS/HCMW dtd 08/01/2024

Dear Sir/Madam,
With reference to the above NIT, the work for "Condtruction of PCC breast wall and cc drain behind PH store at DPH, PLHPS, hoj." The undersigned on behalf of the North Eastern Electric Power Corporation, Panyor Lower Hydro Power Station is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit			Total Price
10		Breast wall and drain behind PH store	1.000	AU			2,037,544.83
10.10	10005098	Excavation in ordinary rock by manual	174.000	M3	Basic Price	450.00	78,300.00
					CGST %	9.00%	7,047.00
					SGST %	9.00%	7,047.00
					Total		92,394.00
10.20	10005099	PCC 1:3:6 in Foundation ... 1:3:6	36.750	M3	Basic Price	7,361.00	2,70,516.75
					CGST %	9.00%	24,347.00
					SGST %	9.00%	24,347.00
					Total		3,19,210.75
10.30	10000377	PCC Grade M15	15.200	M3	Basic Price	8,794.24	1,41,008.69
					CGST %	9.00%	12,691.00
					SGST %	9.00%	12,691.00
					Total		1,66,390.69
10.40	10000010	Provdg/RCC works M15 grade-sub structure	133.730	M3	Basic Price	9,166.94	12,25,894.85
					CGST %	9.00%	1,10,331.00
					SGST %	9.00%	1,10,331.00
					Total		14,46,556.85
10.50	10000514	Weep Holes	61.000	EA	Basic Price	180.50	11,010.50
					CGST %	9.00%	991.00
					SGST %	9.00%	991.00
					Total		12,992.50
					Total Basic Price		17,26,730.83
					Total CGST %		1,55,407.00
					Total SGST %		1,55,407.00
					Total PO Val.		20,37,544.83

TWENTY LAKH THIRTY SEVEN THOUSAND FIVE HUNDRED FORTY FOUR Rupees EIGHTY THREE Paise Only

TERMS AND CONDITIONS

1. Scope:

Condtruction of PCC breast wall and pcc cc drain behind PH store at DPH, PLHPS, hoj.

2. Value:

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NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, PLHPS, Yayee, A.P.
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Pagatara Corporation Pvt Ltd, has completed the work, " Construction PCC Breast wall and cc drain behind PH Store at DPH, PHLPS.. " as per Specifications me/ntioned in BOQ, wide P.O No: 3700008369 DTD : 05/03/2024, *in all respect on 18/03/2024 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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C.S No. 1000038833
Dt: 26/03/2024

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700008402 / Dt : 07.03.2024

To,

Vendor Name	:	Taha Tana Tara Construction
Vendor Code	:	300191
Address	:	, , , VIII-Hoz(Yayee)P.O&P.S-Sagalee,
	:	Papumpare, HOJ,- 791112 Arunachal Pradesh, India
Contact No	:	9774760301
Email ID	:	,
PAN No.	:	AEJPT5815K
GSTIN No.	:	12AEJPT5815K2Z7

Sub: Construction of peripheral wall around Executive Guest House at dikrong power house colony, PLHPS, NEEPCO Ltd, Hoj, Aruncahl Pradesh, India.

Ref: No: 40 of 2023-24/PLHPS/ HCMW Dtd: 08/01/2024

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of peripheral wall around Executive Guest House at dikrong power house colony, PLHPS, NEEPCO Ltd, Hoj, Aruncahl Pradesh, India." The undersigned on behalf of the North Eastern Electric Power Corporation, Panyor Lower Hydro Power Station is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions

S.No	Service Code	Service Des.	Qty.	Unit			Total Price
10		peripheral wall around ex. guest house	1.000	AU			2,713,197.65
10.10	10001465	Excavation in ordinary rock manual means	112.000	M3	Basic Price	451.69	50,589.28
					CGST %	9.00%	4,553.00
					SGST %	9.00%	4,553.00
					Total		59,695.28
10.20	10001537	Plain Cement Concrete Grade M15	42.000	M3	Basic Price	8,795.03	3,66,613.36
					CGST %	9.00%	32,995.00
					SGST %	9.00%	32,995.00
					Total		4,31,423.36
10.30	10004933	Stone masonry work (1 : 3)	364.530	M3	Basic Price	6,101.69	19,57,954.61
					CGST %	9.00%	1,67,217.00
					SGST %	9.00%	1,67,217.00
					Total		21,92,388.61
10.40	10007440	Provid Weep holes-brick 100mm dia 1V:20H	140.000	EA	Basic Price	179.66	25,152.40
					CGST %	9.00%	2,264.00
					SGST %	9.00%	2,264.00
					Total		29,680.40
					Total Basic Price		22,99,319.65
					Total CGST %		2,06,938.00
					Total SGST %		2,06,939.00
					Total PO Val.		27,13,197.65

TWENTY SEVEN LAKH THIRTEEN THOUSAND ONE HUNDRED NINETY SEVEN Rupees SIXTY FIVE Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of peripheral wall around Executive Guest House at dikrong power house colony, PLHPS, NEEPCO Ltd, Hoj, Aruncahl Pradesh, India.

2. Value:

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NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, RHPS, Yayee, A.P.
Office: Tel: 03809 244204 Fax: 03809 244211
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S Taha Tana Tara Construction Agency has completed the work, "Construction of peripheral wall around Executive Guest House at dikrong power house colony, PLHPS, NEEPCO Ltd, Hoj, Aruncahl Pradesh, India." as per Specifications mentioned in BOQ, wide P.O No: 3700008402 DTD : 07/03/2024, *in all respect on 26/03/2024 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (Civil) HOZ Civil MW HOZ
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3700008404 / Dt : 07.03.2024

To,

Vendor Name	:	M/s T.T Enterprises, Luksin
Vender Code	:	101525
Address	:	, , Lusin, Hoj
	:	PAPUM PARE, DAKTE-HOJ,- 791110 Arunachal Pradesh, India
Contact No	:	
Email ID	:	,
PAN No.	:	AIDPT0567E
GSTIN No.	:	12AIDPT0567E1ZJ

Sub: Construction of CC Drain and CC flooring around New Civil Office cum Utility Office Building(Dikrong Power House Office) ,PLHPS, Arunachal Pradesh.

Ref: No: 41 of 2023-24/PLHPS/ HCMW Dtd: 08/01/2024

Dear Sir/Madam,

With reference to the above NIT, the work for "Construction of CC Drain and CC flooring around New Civil Office cum Utility Office Building(Dikrong Power House Office) ,PLHPS, Arunachal Pradesh." The undersigned on behalf of the North Eastern Electric Power Corporation, Panyor Lower Hydro Power Station is pleased to place this work order upon you (hereinafter referred to as "the contractor") for the executed work with following terms and conditions:

S.No	Service Code	Service Des.	Qty.	Unit			Total Price
10		cc drain and cc flooring new office	1.000	AU			2,701,677.53
10.10	10001555	Excavation using manual means	968.650	M3	Basic Price	243.22	2,35,643.70
					CGST %	9.00%	21,208.00
					SGST %	9.00%	21,208.00
					Total		2,78,059.70
10.20	10004150	Plain Cement Concrete works 1:3:6	8.370	M3	Basic Price	7,361.02	61,611.74
					CGST %	9.00%	5,545.00
					SGST %	9.00%	5,545.00
					Total		72,701.74
10.30	10000377	PCC Grade M15	25.110	M3	Basic Price	8,746.76	2,19,606.03
					CGST %	9.00%	19,765.00
					SGST %	9.00%	19,765.00
					Total		2,59,136.03
10.40	10009352	Plain/RCC in sub-structure(0)PCC M20	190.641	M3	Basic Price	9,654.23	18,40,492.06
					CGST %	9.00%	1,65,644.00
					SGST %	9.00%	1,65,644.00
					Total		21,71,780.06
					Total Basic Price		23,57,353.53
					Total CGST %		2,12,162.00
					Total SGST %		2,12,162.00
					Total PO Val.		27,81,677.53

TWENTY SEVEN LAKH EIGHTY ONE THOUSAND SIX HUNDRED SEVENTY SEVEN Rupees FIFTY THREE Paise Only

TERMS AND CONDITIONS

1. Scope:

Construction of CC Drain and CC flooring around New Civil Office cum Utility Office Building(Dikrong Power House Office) ,PLHPS, Arunachal Pradesh.

2. Value:

3. Price Basis:

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ISO 9001-2008

ISO 14001-2004& BS OHSAS 18001-2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Office of the Dy. General Manager(C)
Hoz Civil Maintenance Wing, PLHPS, Yayee, A.P.
E-mail: hcmw2012@gmail.com

COMPLETION CERTIFICATE

Certified that M/S T T Enterprises has completed the work," Construction of CC Drain and CC flooring around New Civil Office cum Utility Office Building (Dikrong Power House Office) ,PLHPS, Arunachal Pradesh." as per Specifications mentioned in BOQ, wide P.O No 3700008404 / Dt : 07.03.2024, *in all respect on 17/03/2024 within the stipulated time period as mentioned in the work order. Also certified that no any T & P materials were issued to the contractor for the said work and there is nothing outstanding against the contractor.*

Asst. Engineer (C),HCMW

Dy. General Manager (C), HCMW

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COMPLETION CERTIFICATE.

Certified that the work "Construction of Labour Barrack along with Ancillary Works at Dam Site, right bank, PLHPS, 41 Km, Yazali, Arunachal Pradesh" amounting to Rs. 60,50,208.00 (Rupees Sixty lakhs fifty thousand two hundred eight) only has been completed on dated 21.03.24 by the Contractor, M/s Rini Enterprise as per specification and direction Vide Work Order No. NEEPCO/PLHPS/ GM©/201/2023-24/1626 dtd 23.11.2023

D.M(C), HSM.

.....

ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007

NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

(A Government of India Enterprise)

Office of the General Manager (C)

Panyor Lower Hydro Power Station, P.O. Panyor Lower Project, Dist. Lower Subansiri, 791 119, A.P.

CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ 1626 Dated 23.11.2023

To,

M/s **Rini Enterprise**
Village.- Rub
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of Labour Barrack along with Ancillary Works at Dam Site, right bank, PLHPS, 41 Km, Yazali, Arunachal Pradesh."**

Ref: This office's LNIT No – PLHPS/GM/41/2023-24 Dtd 15.09.2023

Dear Sirs,

In inviting reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of Labour Barrack along with Ancillary Works at Dam Site, right bank, PLHPS, 41 Km, Yazali, Arunachal Pradesh."** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of Labour Barrack along with Ancillary Works at Dam Site, right bank, PLHPS, 41 Km, Yazali, Arunachal Pradesh."** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:- Rs. 60,50,208.00** (Rupees Sixty lakhs Fifty Thousand Two Hundred Eight) only which is inclusive of all applicable taxes.
3. **Time of completion: - 120** days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation.
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building Cess etc. as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Government of India Enterprise)
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Panyor Lower Project, Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ 1977 Dated 01/03/2024

To,

M/s T.I. Enterprise
Village: Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of protection work along the road connecting Dam top to Dam Body in the downhill side, PLHPS, NEEPCO, Yazali, Ar. Pr"**

Ref: This office NIT No – PLHPS/GM©/132/2023-24 Dtd 05.01.2024

Dear Sirs,

In inviting a reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work **"Construction of protection work along the road connecting Dam top to Dam Body in the downhill side, PLHPS, NEEPCO, Yazali, Ar. Pr"** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of protection work along the road connecting Dam top to Dam Body in the downhill side, PLHPS, NEEPCO, Yazali, Ar. Pr"** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work: - Rs.39,77,446.00** (Rupees Thirty-Nine lakhs Seventy-Seven thousand Four Hundred Forty-Six) only which is inclusive of all applicable taxes.
3. **Time of completion: - 60 days** from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation.
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the

Comp - 20/03/2024
P.O - 3768008739
S.E - 7086938472

COMPLETION CERTIFICATE.

Certified that the work "Construction of protection work along the road connecting Dam top to Dam Body in the downhill side, PLHPS, NEEPCO, Yazali, Ar. Pr" amounting to Rs. 39,77,446.00 (Rupees Thirty nine lakhs seventy seven thousand four hundred forty six) only has been completed on dated 20.03.24 by the Contractor, M/s T.J Enterprise as per specification and direction Vide Work Order No. NEEPCO/PLHPS/ GM©/201/2023-24/1977 dtd 01.03.2024

DGM©, HSM

D.M(C), HSM.

COMPLETION CERTIFICATE.

Certified that the work "Construction of a Security Watch tower at Right bank Entry Point of Dam, PLHPS, 41km, Yazali, Ar. Pr" amounting to Rs.5,50,984.00 (Rupees Five Lakhs fifty thousand nine hundred eighty four) only has been completed on dated 09.01.24 by the Contractor, M/s T.Brothers Enterprise as per specification and direction Vide Work Order No. NEEPCO/PLHPS/ GM©/201/2023-24/1203 dtd 12.10.2023

DGM©, HSM

D.M(C), HSM.

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
ISO 9001:2008, ISO 14001:2004
BS OHSAS 18001:2007
(A Government of India Enterprise)
Office of the General Manager (C)
Panyor Lower Hydro Power Station, P.O. Panyor Lower Project, Dist. Lower Subansiri, 791 119, A.P.
CIN – U40101ML1976GOI001658

No. NEEPCO/PLHPS/GM(C)/201/2023-24/ 1203 Dated 12.10.2023

To,

M/s **T. Brothers**
Village: Potin
Dist: Lower Subansiri,
Arunachal Pradesh.

Sub: Work Order for **"Construction of a Security Watch tower at Right bank Entry Point of Dam, PLHPS, 41km, Yazali, Ar. Pr"**

Ref: This office's LNIT No – PLHPS/GM/27/2023-24 Dtd 10.07.2023

Dear Sirs,

In inviting reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of **"Construction of a Security Watch tower at Right bank Entry Point of Dam, PLHPS, 41km, Yazali, Ar. Pr"** as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS:-

1. **Scope of work:** - The work is for **"Construction of a Security Watch tower at Right bank Entry Point of Dam, PLHPS, 41km, Yazali, Ar. Pr"** as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).
2. **Value of work:- Rs. 5,50,984.00** (Rupees Five lakhs Fifty Thousand Nine Hundred Eighty-Four) only which is inclusive of all applicable taxes.
3. **Time of completion:** - 90(Ninety) days from the date of issue of this order.
4. **Quantity and Rates:** - The rates as specified in the BOQ shall remain firm till completion of the work and no price escalations in any form are admissible irrespective of any quantity variation.
5. **Issue of store materials, and machinery:** No material and T&P shall be issued from the Department.
6. **Taxes, Duties, Forest Royalty etc.:** - The Rates as mentioned against the items as shown in the enclosed Annexure-I are inclusive of all Taxes including GST, Building cess etc as applicable.
7. **Compensation for Delay:** In case of delay in completion of work within the stipulated period indicated in clause no.3 above, compensation for delay at the rate of 0.5% (zero point five percent) of the contract price shall be deducted for delay per week or part thereof subject to a maximum of 10% (Ten percent) of the contract price.
8. **Technical Specification:** As per specification mentioned in the BOQ/Bid documents or as directed by the Engineer –in-Charge at site.
9. **Defect Liability Period:** - The work shall be subjected to a defect liability period of **1 (one) year** from the certified date of completion of work in all respect. Any defect in the work, detected during or after the completion of the work within the defect liability period, shall be made good by the contractor at his own risk and cost, and no extra payment will be made by the corporation. The nature and extent of defects to be considered for the purpose of Defect Liability, shall be decided by the Engineer In charge, and the decision of Engineer in charge in this matter shall be final and

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नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED
(A Govt. of India Enterprise)
पैन्योर लोअर हाइड्रो पावर स्टेशन
PANYOR LOWER HYDRO POWER STATION
O/o the DGM (Civil), HSM, PLHPS, Yazali, Arunachal Pradesh
Website – www.neepco.co.in, CIN-U40101ML1976GOI001658

ISO 9001-2015, 14001-2015 & 45001-2018

No. NEEPCO/PLHPS/HSM/DGM(C)/T-1/2023-24/ Dated 04.03.2024

PO no. –3700008354

To,

M/s Mercantile System
Jugashree Nagar, Sonaighuli,
Kahilipara, Guwahati-781019
Assam
GSTIN - 18AKQPD3169D1Z4

Sub.: - Work Order for "Civil works for installation of Water Level Measuring Device at two different locations viz. 1) Ranaganadi Bridge of NT Road Crossing 2) Confluence of Ranganadi - Subansiri River, North Lakhimpur, Assam"

Dear Sir(s),

With reference to the above, the undersigned on behalf of the Corporation is pleased to place this order for execution of the work of "Civil works for installation of Water Level Measuring Device at two different locations viz. 1) Ranaganadi Bridge of NT Road Crossing 2) Confluence of Ranganadi - Subansiri River, North Lakhimpur, Assam" as per terms & conditions stipulated hereunder.

TERMS & CONDITIONS: -

1. Scope of work: - The work is for Civil works for installation of Water Level Measuring Device at two different locations viz. 1) Ranaganadi Bridge of NT Road Crossing 2) Confluence of Ranganadi - Subansiri River, North Lakhimpur, Assam as mentioned in the specification of the items detailed in BOQ enclosed as Annexure -I. The work is to be executed and completed as per direction of the Engineer -in- charge (EIC).

2. Value of work: - ₹ 7,26,800.00 (Rupees *Seven lakh twenty-six thousand eight hundred*) only which is inclusive of all applicable taxes and duties.

3. Time of completion: - 1 *(One) Month from the date of issue of this order.* Time is the essence of the contract and shall be strictly adhered to.

North Eastern Electric Power Corporation Limited

Office of the Senior Manager (E/M)
PANYOR LOWER HYDRO POWER STATION
HOJ-791112, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3600003711/Dt:20.09.2023

To,

Vendor Name	:	Aradhana Agencies
Vendor Code	:	100268
Address	:	,
	:	GUWAHATI,- 781001 Assam, India
Contact No	:	
Email ID	:	,
PAN No.	:	ABVPA6124H
GSTIN No.	:	18ABVPA6124H1ZK

Sub:
ORDER FOR SUPPLY OF MEGGER MAKE CT, PT & CVT ANALYSER FOR DIKRONG POWER HOUSE, PANYOR LOWER HYDRO POWER STATION

Ref:
1. Our Letter No- PLHPS/Sr. Mgr (E/M)-III/PH&SY(OCS/T-260/23-24/493 Dtd.11/09/2023
2. Offer No. AA/2023/718-NEEPCO Dtd. 14.06.2023
3. Email Dated 11/09/2023,14/09/2023 & 16/09/2023

Dear Sir/Madam,
The Corporation is pleased to place this order for supply & Commissioning of MEGGER make CT,PT & CVT Analyser , Model No. MRCT-D4C0N3E0M0L as per scope of work, price schedule, terms & conditions indicated below.

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10		MEGGER MAKE CT, PT & CVT ANALYSER	1.000	SET	Basic Price	47,11,250.00	47,11,250.00
					Discount % on Gross	1.00-%	47,112.50-
					IGST %	18.00%	8,39,545.00
					Total		55,03,682.50
					Total Basic Price		47,11,250.00
					Total Discount % on Gross		47,112.50-
					Total IGST %		8,39,545.00
					Total PO Val.		55,03,682.50

FIFTY FIVE LAKH THREE THOUSAND SIX HUNDRED EIGHTY TWO Rupees FIFTY Paise Only

TERMS AND CONDITIONS

1. Scope:
The scope of work under this contract shall include supply, detail engineering, commissioning at site of CT,PT & CVT Analyser, Make-Megger, Model-MRCT-D4C0N3E0M0L. The analyser shall be capable for (i)conducting a test of Ratio, Phase angle, Polarity, Knee point voltage, Winding resistance, CT secondary connected burden, insulation resistance, demagnetization in Current Transformer, (ii) Capable for conducting a test of Ratio, Phase angle, Secondary winding resistance up to 400kV class PT in Potential Transformer,(iii) Capable for conducting a test Ratio, Phase angle deviation, polarity up to 400kv Class CVT in Capacitor Voltage Transformer . The Freight and Insurance Covered under this scope of Work as because FOR is site basis. The scope includes the following accessories.
(a) Reputed brand Laptop with high end configuration
(b)All testing leads require to test Single CT at a time.
(c) All the attachments to main equipment to fulfill above specifications.
(d)PC interface, power supply & grounding, tap changing interface cables.
(e)Operating manual,
(f)Application software CD and hard carrying case.
(g)AC Power Cord
(h)Ethernet ports for connecting with external PC/Laptop.

North Eastern Electric Power Corporation Limited
Office of the Head Of Plant
PANYOR LOWER HYDRO POWER STATION
YAZALI-791119, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3800000297 / Dt : 18.03.2024

To,

Vendor Name	:	ARADHANA AGENCY
Vendor Code	:	301002
Address	:	, PEEERA GRAHI INDUSTRIAL AREA, , PEERA GRAHI,
	:	, DELHI,- 110087 Delhi, India
Contact No	:	
Email ID	:	aradhanagroups@yahoo.com,
PAN No.	:	AGUPA0920B
GSTIN No.	:	07AGUPA0920B1ZY

Sub: Order for Supply of Spares for Elpro make (presently Siemens Ltd) 420 KV, 2000A, Pantograph Isolator & Supervision of erection of spares for 3x135 MW for PLHPS.

Ref: (i) GeMC No-511687735367598 Dated- 14/03/2024.

Dear Sir/Madam,

With reference to above, the undersigned on behalf of the North Eastern Electric Power Corporation (herein after referred as "Purchaser") is pleased to place this supply order to you (herein after referred as "Supplier") for Supply of spares for Pantograph Isolaors of 400 KV Switchyard for Panyor Lower Hydro Power Station,NEEPCO,Arunachal Pradesh as per Schedule of prices and detail Terms & Conditions given below .

S.No	Material/Service Code	Material/Service Des.	Qty.	Unit			Total Price
10	3000001718	Fixd Contact 500D,38IDCuTube,silvrplte	15.000	NO	Basic Price	1,65,962.94	24,89,444.10
					IGST %	18.00%	4,48,100.00
					Total		29,37,544.10
20	3000001719	Connecting Pad # Cu Tin Plated	30.000	NO	Basic Price	89,444.01	26,83,320.30
					IGST %	18.00%	4,82,998.00
					Total		31,66,318.30
30	3000001720	Moving Contact Assembly for 4# IPS Tube	15.000	NO	Basic Price	11,19,324.53	1,67,89,867.95
					IGST %	18.00%	30,22,176.00
					Total		1,98,12,043.95
40	3000001721	Operating Mechanism Box Isolator(Master)	5.000	NO	Basic Price	4,53,665.93	36,24,667.44
					IGST %	18.00%	6,52,464.00
					Total		42,77,131.44
50	3000001722	OperatingMechanismBox Isolator(Follower)	15.000	NO	Basic Price	4,40,140.62	66,02,109.30
					IGST %	18.00%	11,88,380.00
					Total		77,90,489.30
60	3000001723	Operating Mechanism Box E/S (Master)	4.000	NO	Basic Price	4,53,665.93	18,12,343.72
					IGST %	18.00%	3,26,222.00
					Total		21,38,565.72
70	3000001724	Operating Mechanism Box E/S (Follower)	8.000	NO	Basic Price	4,40,140.62	35,21,124.96
					IGST %	18.00%	6,33,803.00
					Total		41,54,927.96
80		Supervision of work	1.000	AU			900,648.95
80.10	20000133	Maintenance:Plant and Machinery MD basis	15.000	MD	Basic Price	52,590.33	7,88,854.95
					IGST %	18.00%	1,41,994.00
					Total		9,30,848.95
					Total Basic Price		3,83,11,752.72
					Total IGST %		68,96,117.00
					Total PO Val.		4,52,07,869.72

FOUR CRORE FIFTY TWO LAKH SEVEN THOUSAND EIGHT HUNDRED SIXTY NINE Rupees SEVENTY TWO Paise Only

TERMS AND CONDITIONS

1. Scope:

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Purchase Order-3800000079 / Dt : 08.06.2022

To,		
Vendor Name	:	GLOCON
Vendor Code	:	100769
Address	:	, TINSUKIA,- 786125 Assam, India
Contact No	:	
Email ID	:	,
PAN No.	:	ABMPA8927H
GSTIN No.	:	18ABMPA8927H2ZD

Sub: ORDER FOR DESIGN,ENGINEERING,SUPPLY,RETROFITTING,TESTING&COMISSIONING OF CG POWER MAKE 132KV CIRCUITBREAKERS SF6 SPRING GANG OPERATED FOR RHPS.

Ref: (1)Letter No- RHEP/DGM(E/M)/PH&SY(O&M)/T-9&109(SY)/21-22/1160 Dtd 01/10/2021,(2)Offer No. GL/2021-22 Dtd.16.02.2022.(3)Letter No-GL/2021-22/NEEPCO/RHEP Dtd 03/03/2022.(4)LOI No-RHPS/DGM(E/M)/PH&SY(O&M)/T-9&109(SY)/22-23/53 Dtd 02.05.2022

Dear Sir/Madam,
With reference to above, the Corporation is pleased to place this order for Design, Manufacturing, Supply, retrofitting, Testing & Commissioning of CG Power make 132KV Circuit Breaker for Dikrong Power House, Ranganadi Hydro Power Station, NEEPCO Ltd, Arunachal Pradesh as per prices & quantity enclosed in Annexure-A and scope of work, detailed Terms & Condition indicated below.

S.No	Material/Service Code	Material/Service Des.	Qty.	Unit	Unit Price		Total Price
10		132KV Spring Operated SF6 CircuitBreaker	9.000	NO	Basic Price	10,40,000.00	93,60,000.00
					% Disc from Gross	7.00-%	6,55,200.00-
					IGST %	18.00%	15,66,864.00
					Total		1,02,71,664.00
20.1	20000136	Installation&Commissioning Plant Equip	8.000	NO	Basic Price	1,58,100.00	12,64,800.00
					IGST %	18.00%	2,27,664.00
					Total		14,92,464.00
					Total Basic Price		1,06,24,800.00
					Total % Disc from Gross		6,55,200.00-
					Total IGST %		17,94,528.00
					Total PO Val.		1,17,64,128.00

ONE CRORE SEVENTEEN LAKH SIXTY FOUR THOUSAND ONE HUNDRED TWENTY EIGHT Rupees Only

TERMS AND CONDITIONS

1. Scope:

SCOPE OF WORK
The scope of work under this contract shall include following works:
1. Design, Engineering, supply, delivery at site, installation, Testing & Commissioning of 145KV , 3150 Amps at 40°C, 40 KA for 3 sec., Live Tank, SF6 Circuit Breaker with spring operated mechanism, suitable for three phase auto reclosing (Mechanically gang operated) with 25 mm/KV brown porcelain insulator, support structure, terminal connectors for twin moose conductor, Adaptor materials, earthing risers and as per technical specifications enclosed at Annexure-A and suitable for erection on existing foundation of circuit breaker.
2. The existing foundation, control & power cables, earthing materials of 145 KV Circuit Breakers shall be utilize for proposed breakers of this contract.
3. Support Structure of Circuit Breaker shall be suitably match with the old foundation of existing circuit breaker. No additional foundation work shall be carried out for erection of the new circuit breaker. Support Structure drawing is attached in Annexure-C.

4. The supplier shall be responsible for delivery of materials at site.
5. Terminal connector for twin moose conductor adaptor material shall match with existing other side of terminal.
6. The supplier shall submit the GA drawing & Schematic Drawing prior to manufacturing of the circuit breaker for approval of corporation.
7. Installation, Testing & commissioning of Circuit Breakers shall be carried out by engineer/expert (who had required technical and academic qualifications) of the principal company.
8. 8 Nos of CG Power Make 132KV Circuit Breaker shall be retrofitted and commissioned and the one number of CG Power Make 132KV Circuit Breaker shall be kept as spare.
9. Any other materials not mentioned in the schedule of rates but required for completion of the job shall be under the scope of supplier.
10. All the tools & tackles, consumables, technical/skilled/unskilled manpower required for the job shall be in supplier scope.
11. Heavy Equipment Like Crane, Truck , Power Supply at site shall be under the scope of corporation.

2. Value:

Rs. 1,17,64,128.00 (Rupees One Crore Seventeen Lakh Sixty-Four Thousand One Hundred Twenty-Eight) only inclusive of GST for both supply & service charges.

3. Price Basis:

Prices: Prices indicated are firm and FOR Site basis.

4. Taxes:

Good & Service Taxes (GST):
(a) Supply Part: GST shall be paid extra on the supply parts at the time of dispatch of material. The present rate of GST is 18%. Please provide your GST number in the bill.
(b) Service Part: GST against services shall be paid extra as applicable at the time of execution of work. The present rate of GST is 18%. Please provide your GST number in the bill.
Our GSTIN No-12AAACN9991J4Z0.

5. Contract Performance Guarantee/Security Deposit:

6. Delivery Period/ Completion Time/ Contract Period:

1. Delivery: The material shall be delivered within 10 (Ten) months from the approval of GA drawing. However all efforts should be made to supply the materials as early as possible.

2. Time of Completion of Work: The job for retrofitting, testing & Commissioning of each Circuit Breaker should be completed within 2 Weeks on intimation by the Corporation based on the Shutdown Planned to be scheduled with a NERLDC. The intimation from the site will be given well in advance to you with a proper planning of Shutdown with NERLDC/NERPC. Kindly note that after Shutdown planning no postponement of schedule shall be consider.

7. Consignee (Storage Location address) /Engineer In-charge:

The Manager (E/M), Power House Store, RHEP,NEEPCO Ltd., Hoz, Papumpare Dist. Arunachal Pradesh.

8. Payment Terms:

Payment Terms:
(a) Supply Part (i) For 8 Number Circuit Breaker: 80% (Eighty Percent) payment shall be released after the receipt of material at site in full and good condition. 10% (Ten Percent) payment shall be released on submission of Performance Bank Guarantee of equivalent amount. Which shall be cover 1 (One) month more than the warranty period as indicated in Gurantee/Warantee Clause. Performance Bank Guarantee Form is enclosed in Annexure-D. Balance 10% (Ten Percent) payment shall be released after successful testing & commissioning of 8 (Eight) Numbers Circuit breaker.
(ii) Supply Part For 1 Number Spare Circuit Breaker: 90% (Ninety Percent) payment shall be released after the receipt of material at site in full and good condition. Balance 10% (Ten Percent) payment shall be released on submission of Performance Bank Guarantee of equivalent amount. Which shall be cover 1 (One) month more than the warranty period as

indicated in Gurantee/Warantee Clause. Performance Bank Guarantee Form is enclosed in Annexure-D.
(b) Service Part: 100% (Hundred Percent) payment against service shall be released after the successful testing & commissioning of the Circuit Breaker with full satisfaction of engineer in charge on per circuit breaker basis or pro-rata basis.
You are requested to submit your bill in triplicate to the Consignee for effecting e-payment with the following details.
i)Name & complete address of the firm as per bank record.
ii) complete address of the Bank with Branch details.
iii) Type of Bank Account (Saving/Current/Cash Credit).
iv) Bank Account Number (Indicating Core Banking Account Number), if any.
v) IFSC/NEFT Code (11 digit)/MICR code as applicable.
vi) Permanent Account Number (PAN) under Income Tax.
vii) GST Number (for supply of Goods and services) as applicable
viii) E-mail address of the Vendor/authorized official along with Mobile No. (For receiving the update status of payment).

9. Paying Authority:

The Manager (Finance), NEEPCO Ltd, Yazali, District Lower Subansiri, Arunachal Pradesh.

10. Guarantee/Warranty:

GUARANTEE/WARRANTEE: The materials shall be guaranteed/warranted against any manufacturing, design, or any technical defects for a period of 18 (eighteen) months from the date of dispatch or 12 (twelve) months from the date of commissioning whichever is earlier. Failure/Malfunctioning of the materials during this period under normal use shall be remedied with necessary repair/ replacement free of cost by the supplier. All incidental cost of such repair/ replacement shall be to the supplier#s account. If any defect be not remedied/replaced within a reasonable time the purchaser may proceed that material at supplier#s risk and expenses.

11. Penalty/Liquidated Damages:

LIQUIDATED DAMAGE: If the firm fails to supply the materials within the stipulated time as mentioned in this order, then the Corporation reserves the right to levied liquidated damage from the firm a sum equivalent to 0.5 %(Zero point five percent) of the unexecuted portion of the works or part thereof per week subject to maximum of 5% (five percent) of the total value of the order.

12. Jurisdiction of Court:

13. Other Terms & Conditions:

1.Discount: Discount @ 7% (Seven percent) shall be applicable as indicate.

2.Freight & Insurance: The rates are at FOR project site basis hence no freight shall be paid extra. The material may please be dispatch through any reputed transporter or courier to the having branch office nearest to Dikrong Power House, NEEPCO Ltd, Hoz. Arunachal Pradesh with intimation to this office.
Transit Insurance of the material is under the scope of supplier. The consignment shall be duly insured for transit before dispatch.

3. Drawing: The supplier shall submit GA drawing & Schematic Drawing of Circuit Breaker for approval from this end within 6 (Six) Weeks from the date of issue of LOI. However efforst shall be made to submit the drawings as early as possible.

4. Accommodation : Local Conveyance and accommodation for your engineers shall be provided at our guest house free of cost . However, fooding charges shall be in your account.

5. DRAWINGS / MANNUALS: The supplier shall supply 06 (six) sets of operation & maintenance manuals of Circuit Breaker along with Schematic Drawings. Complete modified schematic & wiring drawings including engineering drawings of the adopted scheme is to be submitted in 06 (six) sets.

6. Technical Specification: The Circuit Breaker shall strictly conform to our specification/guaranteed technical particulars of Circuit Breaker as indicated in Annexure-B.

7. MATERIALS & WORKMANSHIP: Circuit Breaker shall be of best quality and workmanship capable of satisfactory operation under the operating and atmospheric conditions prevailing at site. Unless otherwise specified they shall conform in all respect to the requirements of the latest edition of relevant IS and shall match with the existing equipment/ parameters of Power house. The Circuit Breaker not conforming as per our guaranteed technical particulars shall be summarily rejected

and rejected materials shall be taken back by you without any cost to the Corporation.

8. INSPECTION & TESTING: The Circuit Breaker shall be completely assembled and tested at the manufacturer works. The test shall be carried out to evaluate the performance of the Circuit Breaker as per provision of relevant IEC standard. The Breaker shall be subjected to routine test and site test to ensure satisfactory performance of the Circuit breaker.

However Manufacturing Quality Plan (MQP) of Circuit Breaker shall be submitted by manufacturer for approval.

Inspection and testing of the Circuit Breaker shall be carried out at the works of Principal in presence of our representative before dispatch of materials. Please intimate this Office regarding readiness of the materials for deputing our representative. All the arrangement for inspection & test shall be arranged by you without extra cost to corporation. However, the Corporation reserves the right to waive this inspection.

Neither the waival of the inspection nor acceptance after inspection by the purchaser shall in any way absolve the supplier from his responsibility towards satisfactory performance of the equipment. The Test Certificate, in triplicate, are to be forwarded to this office for approval. The supplier shall dispatch the consignment only on approval of Test Certificates and on receipt of dispatch clearance from the purchaser.

9.PACKING & MARKING: The supplier shall be responsible for securely protecting and packing the materials taking special care for protruding parts & such other vulnerable parts as per prescribed standard to withstand the journey ensuring the safety of the equipment without any extra cost to the corporation. The consignment shall be clearly super scribed with the address of consignee.

10. FORCE MAJEURE: The term "Force Majeure" shall, herein mean riots (other than among the Contractor#s employees) Civil Commotion (to the extent not insurable) war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, damage from aircraft, nuclear fission, acts of God, such as earthquake, lightning, fires not caused by Contractor#s negligence and other such cause over which the Contractor has no control and are accepted as such, by the Engineer-in-Charge, whose decision shall be final and binding.

11. Arbitration:

Any dispute in respect of which:

a) The decision, if any, of the Engineer-in-Charge has not become final.
b) Amicable settlement has not been reached within the sixty day after reference in pursuant to contract is brought to notice of Engineer I/C is not finally settled, unless otherwise specified in the contract as below:

The Arbitration Tribunal shall consist of a Sole Arbitrator to be appointed by the Head of Project RHEP NEEPCO or by his duly authorised representative out of a Panel of names of three Arbitrators, proposed by him and selected by the Contractor under Indian Arbitration and Conciliation Act, 1996 (Act.No.26 of 1996) and any Rules made there under and to such other order or orders, instructions issued by the Government of India from time to time in this connection.

14. Attachment:

All other terms and conditions of the Detailed NIB along with amendments thereon issued from time to time shall be integral part of this PO

Thanking you,

Yours faithfully,

9/6/22

(Signature)

Name :
Designation : DGM (E/M)##PH & SY (O&M)##RHPS, NEEPCO Ltd., Hoj.

Mobile No :
Email ID :

North Eastern Electric Power Corporation Limited
Office of the Dy. General Manager (E/M) PH&SY(O&M)
RANGANADI HYDRO POWER STATION
HOJ-791119, Arunachal Pradesh, India
Tel. No. 03809-244346;E-Mail: tanyataji@neepco.co.in

Material and Service Details

Line Item	Material/Service Code	Material/Service Des.	Qty.	UOM	Plant
10			9.000	NO	RHEP
20.1	20000136	Installation and Commissioning of Plant and Machinery	8.000	NO	RHEP

Annexure-A

SL. No.	Particulars	Qnty	Unit Rate (₹)	Amount (₹)
A. SUPPLY PART				
1	Design, Engineering, Manufacturing, supply, Delivery at site, installation, testing & commissioning of 145 KV ,3150A at 40°C ,40KA for 3 sec, Live Tank, Spring operated mechanism , suitable for three phase auto reclosing (Mechanically gang operated), SF6 Circuit Breaker with support structure , Terminal connectors for twin moose conductor, adaptor materials earthing risers for 3X135MW Dikrong Power house, Ranganadi HE Plant, NEEPCO Ltd. Yazali., AP. as per technical specification enclosed at Annexure-A. **With :** Support Structure to match with existing circuit breaker terminal connectors for twin moose Conductor, adaptor Materials, earthing risers. **But without** Control & Power Cables, Junction Box, Earthing Material.	09 (Nine) Nos	10,40,000.00	93,60,000.00
			Total ₹	93,60,000.00
			Less Discount @ 7% ₹	655200.00
			Total ₹	8704800.00
			Add GST @ 18% ₹	1566864.00
			Total ₹	10271664.00
B. SERVICES				
1	Erection, Testing & Commissioning of Supplied 145 KV Circuit Breakers	08 (Eight) Nos	170000.00	1360000.00
			Less Discount @ 7% ₹	95200.00
			Total ₹	1264800.00
			Add GST @ 18% ₹	227664.00
			Total ₹	1492464.00
			GRAND TOTAL (SUPPLY + SERVICE) ₹	1,17,64,128.00
(Rupees One Crore Seventeen Lakh Sixty Four Thousand One Hundred Twenty Eight) only				

DGM(E/M),
PH & SY (O&M), RHPS

North Eastern Electric Power Corporation Limited

Office of the Senior Manager (E/M)
PANYOR LOWER HYDRO POWER STATION
HOJ-791112, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3800000209 / Dt : 12.08.2023

To,

Vendor Name	:	Oriental Engineering Works PVT LTD 135001
Vendor Code	:	100835
Address	:	, IN
	:	,- Orential C ,
Contact No	:	HARYANA
Email ID	:	rgoyal@oewin.com,
PAN No.	:	AAACC8737D
GSTIN No.	:	06AAACO8737D1ZI

Sub: Order for Design, Engineering, Supply, Retrofitting, Testing & Comissioning of 3 Nos. Tangee OEW make Double Acting Brake and Jack Control Panel for Dikrong Power House, PLHPS, NEEPCO Ltd., Hoj.

Ref: 1. Offer No. SH/N/290623/405 Dated : 29-06-2023
2. HoP's Approval Dated 10-08-2023, Time: 10:11:34

Dear Sir/Madam,

The Corporation is pleased to place the order for Supply, Retrofitting, Installation, Testing & Commissioning of 3 Nos. Tangee OEW make Double Acting Brake and Jack Control Panels in Dikrong Power House, Panyor Lower Hydro Power Station, Hoj as per technical specification, schedule of price as indicated in Annexure-A & scope of works, terms and condition indicated below.

S.No	Material Code	Material Des.	Qty.	Unit	Unit Price		Total Price
10		Brake & Jack Control Panel	3.000	NO	Basic Price	4,74,000.00	14,22,000.00
					% Discount from Net	1.00-%	14,220.00-
					IGST %	18.00%	2,53,400.00
					Total		16,61,180.00
20		Installation & Commissioning	3.000	NO	Basic Price	90,000.00	2,70,000.00
					IGST %	18.00%	48,600.00
					Total		3,18,600.00
					Total Basic Price		16,92,000.00
					Total % Discount from Net		14,220.00-
					Total IGST %		3,02,000.00
					Total PO Val.		19,79,780.00

NINETEEN LAKH SEVENTY NINE THOUSAND SEVEN HUNDRED EIGHTY Rupees Only

TERMS AND CONDITIONS

1. Scope:

The scope of this contract shall be Supply, Retrofitting, Testing & Comissioning of 3 Nos. Tangee OEW make Double Acting Brake and Jack Control Panel compatible with the existing Brake and Jack system of Dikrong Power House with One to One matching basis. The detailed technical specification of the existing Brake and Jack system and Control Panel is enclosed in Annexure - I & II.

2. Value:

Rs. 19,79,780.00 (Rupees Ninteen Lakhs Seventy Nine Thousand Seven Hundred Eighty) Only including GST @18%.

3. Price Basis:

Prices indicated are firm and FOR Ex-Works Yamuna Nagar basis, inclusive of GST as indicated in Annexure-III. The rates shall remain firm till completion of the work.

4. Taxes:

North Eastern Electric Power Corporation Limited

Office of the Senior Manager (E/M)
PANYOR LOWER HYDRO POWER STATION
HOJ-791112, Arunachal Pradesh, India
Tel. No. ;E-Mail:

Purchase Order-3600003283/Dt:22.12.2023

To,

Vendor Name	:	SSBG-ER (BHEL), Kolkata
Vendor Code	:	101884
Address	:	,
	:	KOLKATA,- 700091 West Bengal, India
Contact No	:	03323211686
Email ID	:	rodcomml@bhelpser.co.in,
PAN No.	:	AAACB4146P
GSTIN No.	:	19AAACB4146P1ZC

Sub:
ORDER FOR SUPPLY OF BYPASS VALVE AND ITS ACCESSORIES FOR DIKRONG POWER HOUSE, PLHPS, NEEPCO Ltd., HOJ, A.P.

Ref:
1. LOI No. PLHPS/GM(E/M)/T-105(M)/22-23/150, Dated 29-12-2022.
2. PO No. PLHPS/GM(E/M)/T-105(M)/22-23/171, Dated 12-01-2022.
3. Offer No. PS/SSBG-KOL/SB21K0041/BPH/HRG/0050, Dated 28-09-2021.

Dear Sir/Madam,
The Corporation is pleased to place this order for supply of Bypass Valve and its accessories for Dikrong Power House, Panyor Lower Hydro Power Station, NEEPCO Ltd., Arunachal Pradesh for an amount of Rs 63,89,026.00 (Rupees sixty three lakh eighty nine thousand twenty six) only inclusive of GST after 3% discount. Details are as per specifications, price, quantity, Scope of Work and terms & conditions given below.

S.No	Material Code	Material Description	Qty.	Unit	Unit Price		Total Price
10		Bypass Valve Complete Assembly 200 Dia	1.000	NO	Basic Price	29,42,500.00	29,42,500.00
					Discount % on Net	3.00-%	88,275.00-
					Freight (Vlue) - GST		1,09,474.11
					IGST %	18.00%	5,33,466.00
					Total		34,97,165.11
20		Piston Ring for Bypass Valve	6.000	NO	Basic Price	40,700.00	2,44,200.00
					Discount % on Net	3.00-%	7,326.00-
					Freight (Vlue) - GST		9,085.33
					IGST %	18.00%	44,273.00
					Total		2,90,232.33
30		Needle Assembly for Bypass Valve	2.000	NO	Basic Price	10,94,500.00	21,89,000.00
					Discount % on Net	3.00-%	65,670.00-
					Freight (Vlue) - GST		81,440.56
					IGST %	18.00%	3,96,859.00
					Total		26,01,629.56
					Total Basic Price		53,75,700.00
					Total Discount % on Net		1,61,271.00-
					Total Freight (Vlue) - GST		2,00,000.00
					Total IGST %		9,74,598.00
					Total PO Val.		63,89,027.00

SIXTY THREE LAKH EIGHTY NINE THOUSAND TWENTY SEVEN Rupees Only

TERMS AND CONDITIONS

1. Scope:
(i) The Scope of supply under this contract includes the Design, Manufacturing, Supply, Delivery of Bypass Valve and its accessories for Dikrong Power House, Panyor Lower Hydro Power Station, NEEPCO Ltd., Arunachal Pradesh as per the detailed in the Schedule of Items & Price indicated above.
(ii) The Bypass Valve under this contract shall have one to one matching with the mother equipment of Panyor Lower HP Station (earlier was

PART-II
FORM- 1

Summary Sheet

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION
Place : **Region -** North Eastern Region
State - Arunachal Pradesh

Rs. in Lakh

S. No.	Particulars	2025-24	2024-25	2025-26	2026-27	2027-28	2028-29
1.1	Depreciation	1761.16	2340.19	2236.15	2238.62	2255.31	2329.54
1.2	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00
1.3	Return on Equity*	15133.26	13393.90	15387.45	16339.40	16227.06	16362.16
1.4	Interest on Working Capital	995.12	1056.65	1048.82	1084.91	1143.91	1116.44
1.5	O & M Expenses	14527.30	16527.77	17813.68	18857.79	19962.57	21132.70
1.6	Annual Fixed Cost Before Security Expenses, Capital Spares and Water Charges	32384.84	33466.57	36419.04	37631.79	39710.13	40021.14
1.7	Security Expenses	414.19	425.00	566.36	600.56	481.91	516.66
1.8	Water Charges	0.00	0.00	0.00	0.00	0.00	0.00
1.9	Capital Spares	0.00	116.00	48.00	9.00	4.00	4.00
2	TOTAL AFC	32779.03	34010.43	36933.79	38009.31	39215.62	40542.23

Note:
1 Details of calculations, considering equity as per regulation, to be furnished.

(Petitioner)

Statement Showing Claimed Capital Cost (A+B)

FORM- 1(I)

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

Rs. in Lakh

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Opening Capital Cost	159624.23	157472.73	157649.40	157920.03	159123.50
2	Add: Addition during the year/period	560.00	335.00	475.00	195.00	25.00
3	Less: Decapitalisation during the year/period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year/period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year/period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	157472.73	157649.40	157920.03	159123.50	160374.23
7	Average Capital Cost	158548.48	157561.07	157784.72	158521.77	159748.87

Statement showing claimed capital cost eligible for R.o.E at normal rate (A)

' in Lakh

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Opening Capital Cost	152106.52	149650.02	149706.69	149802.32	150870.79
2	Add: Addition during the year/period	255.00	215.00	300.00	60.00	10.00
3	Less: Decapitalisation during the year/period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year/period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year/period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	149650.02	149706.69	149802.32	150870.79	152106.52
7	Average Capital Cost	150878.27	149678.35	149754.50	150336.55	151488.65

Statement showing claimed capital cost eligible for RoE at One Year MCLR+350 bps subject to ceiling of 14.00% (B)

' in Lakh

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Opening Capital Cost	7517.71	7822.71	7942.71	8117.71	8252.71
2	Add: Addition during the year/period	305.00	120.00	175.00	135.00	15.00
3	Less: Decapitalisation during the year/period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year/period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year/period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	7822.71	7942.71	8117.71	8252.71	8267.71
7	Average Capital Cost	7670.21	7882.71	8030.21	8185.21	8260.21

(Petitioner)

STATEMENT SHOWING RETURN ON EQUITY AT NORMAL RATE:

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : **PANYOR LOWER HYDRO POWER STATION**
Place (Region/District/State): North Eastern Region

(Amt

SL	Particulars	Unit	2024-25	2025-26	2026-27	2027-28
1	2		3	4	5	6
	Return on Equity					
1	Gross Opening Equity (Normal)	Rs Lakh	74,763.91	74,840.41	74,904.91	74,994.91
2	Less: Adjustment in Opening Equity	Rs Lakh	-	-	-	-
3	Adjustment during the year	Rs Lakh	-	-	-	-
4	Net Opening Equity (Normal)	Rs Lakh	74,763.91	74,840.41	74,904.91	74,994.91
5	Add: Increase in equity due to addition during the year / period	Rs Lakh	76.50	64.50	90.00	18.00
6	Less: Decrease due to De-capitalisation during the year / period	Rs Lakh	-	-	-	-
7	Less: Decrease due to reversal during the year / period	Rs Lakh	-	-	-	-
8	Add: Increase due to discharges during the year / period	Rs Lakh	-	-	-	-
9	Net closing Equity (Normal)	Rs Lakh	74,840.41	74,904.91	74,994.91	75,012.91
10	Average Equity (Normal)	Rs Lakh	74,802.16	74,872.66	74,949.91	75,003.91
11	Rate of ROE	%	19.993%	19.993%	19.993%	19.993%
12	Total ROE	Rs Lakh	14,955.20	14,969.29	14,984.74	14,995.53

	Return on Equity (Base Rate) (f)	**%**	**16.5%**	**16.5%**	**16.5%**	**16.5%**
	Effective Tax rate	**%**	**17.472**	**17.472**	**17.472**	**17.472**
	Rate of ROE	**%**	**19.993**	**19.993**	**19.993**	**19.993**

PART-I
FORM-1(II)

Statement showing Return on Equity at One Year MCLR + 350 bps subject to ceiling of 14.00%

Name of the Petitioner :	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station :	PANYOR LOWER HYDRO POWER STATION
Place (Region/District/State):	

(Amount in lakhs)

Sl. 1	Particulars 2	2024-25 3	2025-26 4	2026-27 5	2027-28 6	2028-29 7
	Return on Equity (beyond the original scope of work excluding additional capitalization due to Change in Law)					
1	Gross Opening Equity (Normal)	2255.31	2346.81	2382.81	2435.31	2475.81
2	Less: Adjustment in Opening Equity					
3	Adjustment during the year					
4	Net Opening Equity (Normal)	2255.31	2346.81	2382.81	2435.31	2475.81
5	Add: Increase in equity due to addition during the year / period	91.50	36.00	52.50	40.50	4.50
6	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
7	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
8	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
9	Net closing Equity (Normal)	2346.81	2382.81	2435.31	2475.81	2480.31
10	Average Equity (Normal)	2301.06	2364.81	2409.06	2455.56	2478.06
11	Rate of ROE	14.722	14.722	14.722	14.722	14.722
12	Total ROE	338.77	348.15	354.67	361.51	364.83

SBI MCLR AS ON 01.04.2024 PLUS 350 BASIS POINTS	12.15%	12.15%	12.15%	12.15%	12.15%
Effective Tax rate	17.472	17.472	17.472	17.472	17.472
Rate of ROE	**14.722**	**14.722**	**14.722**	**14.722**	**14.722**

(Petitioner)

PART-II
FORM-2

Details of COD, Type of Hydro station, Normative Annual Plant Availability Factor (NAPAF) & Other normative parameters considered for tariff calculation

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

Year Ending March

	Particulars	Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Installed Capacity	MW	405	405	405	405	405	405
2	Free power to home state	%	12	12	12	12	12	12
3	Free power under Local Area development Fund (LADF)							
4	Date of commercial operation (actual/anticipated)							
	Unit - 1		2/12/2002					
	Unit - 2		2/12/2002					
	Unit - 3		4/12/2002					
5	Type of Station		Surface					
	a) Surface / underground		ROR with Pondage					
	b) Purely ROR / Pondage / Storage		Both					
	c) Peaking / non-peaking		Minimum 3 Hours					
	d) No. of hours of peaking		414 MW Continuous					
	e) Overload capacity (MW) & period							
6	Type of excitation							
	a) Rotating exciters on generator							
	b) Static excitation		Static	Static	Static	Static	Static	Static
7	Design Energy (Annual) [1]	GWh	1509.69	1293.73				
8	Auxiliary Consumption including Transformation losses	%	1.00					
9	Normative Plant Availability Factor (NAPAF)	%	85.00	88.00				
9.1	Maintenance Spares for WC	% of O&M						
9.2	Receivables for WC	in Months						
9.3	Base Rate of Return on Equity	%						
9.4	Base Rate of Return on Equity on Add. Capitalization							
9.5	Tax Rate [2]	%						
9.6	Effective Tax Rate [4]							
9.7	SBI Base Rate + 350 basis points as on [3]	%						

1. Month wise 10 - day Design energy figures to be given separately with the petition.
2. Tax rate applicable to the company for the year FY 2018 - 19 should also be furnished.
3. Mention relevant date
4. Effective tax rate is to be computed in accordance with Regulation 31 i.e. actual tax (or advance tax)/ gross income, where gross income refers the profit before tax.

PART-II
FORM-3

Salient Features of Hydroelectric Project

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

1. Location	
State / Distt.	Arunachal Pradesh/Papum Pare & Keyi Panyor
River	Panyor River (Formerly Ranganadi River)
2. Diversion Tunnel	
Size, shape	6.8 m Dia, Modified Horse Shoe Shape
Length (M)	10.13 km
3. Dam	
Type	Concrete Gravity Dam
Maximum dam height (M)	68 m
4. Spillway	
Type	Ogee
Crest level of spillway (M)	544 m
5. Reservoir	
Full Reservoir Level (FRL) (M)	567 m
Minimum Draw Down Level (MDDL) (M)	560 m
Live storage (MCM)	3.62 MCUM
6. De - silting Chamber	
Type	Nil
Number and Size	
Particle size to be removed (mm)	
7. Head Race Tunnel	
Size and type	6.8 m Dia, Modified Horse Shoe Shape
Length (M)	10.13 km
Design discharge (Cumecs)	160
8. Surge Shaft	
Type	Orifice Type
Diameter (M)	16 m
Height (M)	98 m
9. Penstock / Pressure shafts	
Type	Steel Liner with Backfilled Concrete
Diameter & Length (M)	5.8 m Dia & 915 m Length
10. Power House	
Installed capacity (No of units X MW)	3x135 MW
Type of turbine	Vertical Francis Turbine
Rated Head (M)	320 m
Rated Discharge (Cumecs)	160
Head at Full Reservoir Level (M)	322 m
Head at Minimum Draw down Level (M)	313 m
MW Capability at FRL	405 MW
MW Capability at MDDL	405 MW
11. Tail Race Tunnel / Channel	
Diameter (M), shape	48 m X 34 m Width & Trapezoidal (Inverted Slope)
Length (M)	56 m
Minimum tail water level (M)	245.10 m
12. Switchyard	
Type of Switch gear	AIS & GIS (Bus Reactor)
No. of generator bays	3
No. of Bus coupler bays	2
No. of line bays	6
Efficiency (overall) Turbine and generator	91.728

Note : Specify limitation on generation during specific time period (s) on account of restrictions on water use due to irrigation, drinking water, industrial, environmental considerations etc.

(Petitioner)

PART - II
FORM - 5

Abstract of Admitted Capital Cost for the existing Projects

Name of the Petitioner : **NORTH EASTERN ELECTRIC POWER CORPORATION LTD.**

Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

Rs. In Lakhs

	Capital Cost as admitted by CERC	
a)	Capital Cost admitted as on 31-03-2019	**148,944.31**
	(Give reference of the relevant CERC Order with Petition No. & Date)	**Petition No. 233/GT/2020, 15th December, 2022**
b)	Foreign Component, if any (In Million US $ or the relevant Currency)	-
c)	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	-
d)	Total Foreign Component (Rs. Lakh)	-
e)	Domestic Component (Rs. lakh)	**148,944.31**
f)	Hedging cost, if any, considered for the admitted Capital cost (Rs Lakh)	-
	Total Capital cost admitted (Rs. Lakh) (d+e+f)	148,944.31

(Petitioner)

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PART-II

FORM- 9A

Year wise Statement of Additional Capitalisation after COD

2024-29

NAME OF THE PETITIONER: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

NAME OF THE STATION: PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH

Amount (Rs. Lakh)

			ACE Claimed (Actual/Projected)					
Sl No.	Year	Head of Work/Equipment	Accrual basis (Rs in lakh)	Un-discharged Liability included in col.3 (INR)	Cash basis	IDC included in col.3	Regulation under which claimed	Justification
1	2024-25	Protection work at Pai Nallah at (L) NEEPCO	40.00		40.00		76, 77 to relac clause 24(1)(b)	For protection against soil erosion
2	2024-25	Protection work form Tee Nallh to Dam s/d	25.00		25.00		76, 77 to relac clause 24(1)(b)	For protection against soil erosion
3	2024-25	Projection work along Dirrt Down Stream in both banks	60.00		60.00		76, 77 to relac clause 24(1)(b)	Downstream slope protection against erosion
4	2024-25	Upgradation of Dam instrumentation	30.00		30.00		76, 77 to relac clause 24(1)(b)	For checking the stability of the Dam.
5	2024-25	Construction of Dam Control Room at Dam site	20.00		20.00		76, 77 to relac clause 24(1)(b)	For 24X7 monitoring of O&M of Dam
6	2024-25	Construction of Periphery Fencing around Executive Guest House DPR-(PLHPS.	20.00		20.00		26(1)(d)	For safety and to prevent entry of animals and Un authorised persons inside the Ex. Guest house compound.
7	2024-25	Construction of 5.5 km kutcha connection on approach road to Ex. Guest House,DPR,PLHPS	10.00		10.00		76, 77 to relac clause 24(1)(b)	For safe and easy approach to Executive Guest House.
8	2024-25	Construction of 4km kutcha road to water supply scheme of Dilirong Power Station,PLHPS.	10.00		10.00		76, 77 to relac clause 24(1)(b)	For safe and easy approach for maintenance & operation of pumps.
9	2024-25	construction of approach Road to security Colony, Dilirong Power Station,PLHPS. Hqt, A.P.	30.00		30.00		76, 77 to relac clause 24(1)(b)	For safe and easy approach to Security colony.
10	2024-25	Construction of Retaining Structure and Drain Behind Open Oil Store at dilirong Power House,PLHPS, Hqt, A.P.	60.00		60.00		26(1)(d)	For safety of Open Oil Store
11	2024-25	Construction of Peripheral wall and iron gate for New New Dilirong Power House Office at hq. PLHPS	20.00		20.00		26(1)(d)	For safety Dilirong Power House Office Building
12	2024-25	Construction of PCC retaining wall and re-alignment of peripheral fence for 33/11 Kv Switchyard, Dilirong Power House, PLHPS, Hqt, A.P.	30.00		30.00		26(1)(d)	For safety of 33/11 Kv Switchyard
13	2024-26	Construction of 2 nos earth Retaining structures at CH:900m and CH: 1340 m of Surge Shaft road, PLHPS, Hqt, A.P.	30.00		30.00		26(1)(d)	For safety of Surge shaft road and safety of employees on duty
14	2024-26	Extension of Tee wall and PCC wash at CH:1020.00 m and CH: 1010.00 m at surge shaft road, PLHPS, Hqt, A.P.	25.00		25.00		26(1)(d)	For safety of Surge shaft road and safety of employees on duty
15	2024-33	Construction of Peripheral fencing and protection wall for store no.4 , Dilirong Power House, PLHPS, Hqt, A.P.	30.00		30.00		26(1)(d)	For safety of store materials
16	2024-25	Construction of store racking with GI structures and concrete flooring for store no.2 at DPR, PLHPS, Hqt, A.P.	30.00		30.00		26(1)(d)	For safety of store materials
18	2024-25	Procurement of new Fire Tender	70.00		70.00		69(1)(e)	For Fire Safety
		Total	560.00		560.00			
1	2025-30	Penstock work at Pai Nallah at (L) NEEPCO	60.00		60.00		76, 77 to relac clause 24(1)(b)	For protection against soil erosion
2	2025-26	Protection work along Dam Down Stream in both banks	60.00		60.00		76, 77 to relac clause 24(1)(b)	Downstream slope protection against erosion
3	2025-29	Upgradation of Dam instrumentation	20.00		20.00		76, 77 to relac clause 24(1)(b)	For checking the stability of the Dam.
4	2025-26	Construction of 2 nos earth Retaining structures at CH:730 m and CH: 2000 m of Surge Shaft road, PLHPS, Hqt, A.P.	30.00		30.00		26(1)(d)	For safety of Surge shaft road and safety of employees on duty
5	2025-26	Construction of Boundary Wall and Gate near Hqt Baptist Church , PLHPS, A.P.	10.00		10.00		26(1)(d)	For safety of power house and civilians.
6	2025-26	Construction of Boundary Fencing from store no.2 to security colony, Dilirong Power House, PLHPS, Hqt, A.P.	30.00		30.00		26(1)(d)	For safety of store materials
9	2025-26	Construction of Boundary Fencing from closed material gate to old maindentry Gate, Dilirong Power House site, PLHPS, Hqt, A.P.	50.00		50.00		26(1)(d)	For safety of power house
8	2025-26	Construction of approach road (CSB /WBM and bituminous) from PMT-A7 to plan-IV(10), PLHPS, Hqt, A.P.	20.00		20.00		76, 77 to relac clause 24(1)(b)	For safe and easy approach.
9	2025-26	Construction of parking shed near plan-IV(1) to Plan-IV(10), PLHPS, Hqt, A.P.	10.00		10.00		76, 77 to relac clause 24(1)(b)	For safe and optimise parking of different types of vehicles of the plant in a compact space in organised way.
10	2025-26	Construction of parking shed for PMT-A1 to A4 , PLHPS, Hqt, A.P.	10.00		10.00		76, 77 to relac clause 24(1)(b)	For safe and optimise parking of different types of vehicles of the plant in a compact space in organised way.
11	2025-26	Construction of parking shed for PMT-A5 to A10 , PLHPS, Hqt, A.P.	10.00		10.00		76, 77 to relac clause 24(1)(b)	For safe and optimise parking of different types of vehicles of the plant in a compact space in organised way.

| | | |

1	2026-27	Protection work along Dam Down Stream in both banks	60.00		60.00	No. 77 to relax clause 24(1)(b)	Downstream slope protection against erosion
2	2026-27	Upgradation of Dam Instrumentation	25.00		25.00	No. 77 to relax clause 24(1)(b)	For checking the stability of the Dam.
3	2026-27	Construction of Toe wall at hill side of Surge shaft Road at Ch. 200 m	15.00		15.00	26(1)(d)	For safety of Surge shaft road and safety of employees on duty
4	2026-27	Construction of protection wall at hill side of Surge shaft Road at Ch. 600 m	10.00		10.00	26(1)(d)	For safety of Surge shaft road and safety of employees on duty
5	2026-27	Construction of protection wall at valley side of Surge shaft Road at Ch. 700 m	30.00		30.00	26(1)(d)	For safety of Surge shaft road and safety of employees on duty
6	2026-27	Construction of retaining structure at valley side Surge shaft Road at Ch. 700 m	30.00		30.00	26(1)(d)	For safety of Surge shaft road and safety of employees on duty
7	2026-27	Construction of protection work and gurda drain at hill side of Surge shaft Road at Ch. 700 m	20.00		20.00	26(1)(d)	For safety of Surge shaft road and safety of employees on duty
8	2026-27	Construction of river protection work near store no.2 at Bhiring Power House (Ch: 0.00 m to 200 m)	40.00		40.00	26(1)(d)	For safety of power house
9	2026-27	Construction of Duty room for 33/11kv substation at Bhiring power house, hq	15.00		15.00	No. 77 to relax clause 24(1)(b)	for SAP monitoring and controlling of substation
10	2026-27	Procurement of Solar Power System in Powerhouse for Energy Savings	200.00		200.00	No. 77 to relax clause 24(1)(b)	For energy Efficiency
11	2026-27	Procurement of Hand fi Truck for PH Bhiru	30.00		30.00	26(1)(d)	For safety measures during Works
12	2026-27	Procurement of PPE Discharge Hose	10.00		10.00	26(1)(d)	For safety measures during Works
		Total	**475.00**		**475.00**		
1	2027-28	Protection work along Dam Down Stream in both banks	60.00		60.00	No. 77 to relax clause 24(1)(b)	Downstream slope protection against erosion
2	2027-28	Construction of toe wall at hill side of Surge shaft Road at Ch. 2470 m	30.00		30.00	26(1)(d)	For safety of Surge shaft road and safety of employees on duty
3	2027-28	Construction of toe wall at hill side of Surge shaft Road at Ch. 2550 m	25.00		25.00	26(1)(d)	For safety of surge shaft road and safety of employees on duty
4	2027-28	Construction of retaining structure at valley side of Surge shaft Road at Ch. 2900 m	15.00		15.00	26(1)(d)	For safety of Surge shaft road and safety of employees on duty
5	2027-28	Construction of river protection work near store no.2 of Bhiring Power House (Ch: 200 m to 400 m)	50.00		50.00	26(1)(d)	For safety of power house
6	2027-28	Procurement of new Fire Tender	15.00		15.00	26(1)(d)	For Fire Safety
		Total	**195.00**		**195.00**		
1	2028-29	Upgradation of Dam Instrumentation	10.00		10.00	No. 77 to relax clause 24(1)(b)	For checking the stability of the Dam.
2	2028-29	Procurement of new Fire Tender	5.00		5.00	26(1)(d)	For Fire Safety
3	2028-29	Procurement of PPE Discharge Hose	10.00		10.00	26(1)(d)	For safety measures during Works
		Total	**25.00**		**25.00**		

NAME OF THE PETITIONER: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
NAME OF THE STATION: PARYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH

STATEMENT SHOWING DETAILS OF PROJECTED CAPITAL SPARES CONSUMPTION
PERIOD: 2024-29

Year	Head of Work/Equipment	Amount (Rs. Lakh)	Justification
2024-25	Supply, Erection, Testing & Commissioning of 4X26.66 MVAR Bus Reactor (SF6 Handling Plant)	129.87	For Grid Support
2025-26	Supply, Erection, Testing & Commissioning of 4X26.66 MVAR Bus Reactor (SF6 Handling Plant)	55.00	For Grid Support
2026-27	Supply, Erection, Testing & Commissioning of 4X26.66 MVAR Bus Reactor (SF6 Handling Plant)	10.00	For Grid Support
2027-28	Supply, Erection, Testing & Commissioning of 4X26.66 MVAR Bus Reactor (SF6 Handling Plant)	6.00	For Grid Support
2028-29	Supply, Erection, Testing & Commissioning of 4X26.66 MVAR Bus Reactor (SF6 Handling Plant)	6.00	For Grid Support

PART-II
FORM- 9C

Statement showing reconciliation of ACE claimed with the capital additions as per books

Name of the Petitioner: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

Name of the Generating Station: PANYOR LOWER HYDRO POWER STATION, YAZALI, KEYI PANYOR DISTRICT, ARUNACHAL

(Amount in Rs Lakh)

S. No.		Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1		2	3	4	5	6	7
1		Closing Gross Block as per IND AS	168,001.79	168,391.79	168,876.79	169,076.79	169,106.79
2		Add/Less: Adjustments	-	-	-	-	
3		Closing Gross Block as per IGAAP	168,001.79	168,391.79	168,876.79	169,076.79	169,106.79
4		Opening Gross Block as per IND AS	167,311.92	168,001.79	168,391.79	168,876.79	169,076.79
5		Add/Less: Adjustments					
6		Opening Gross Block as per IGAAP	167,311.92	168,001.79	168,391.79	168,876.79	169,076.79
7		**Total Additions as per books (G= 3 - 6)**	689.87	390.00	485.00	200.00	30.00
		Add/Less: Adjustments					
9		**Net Additions pertaining to instant project/Unit/Stage**	689.87	390.00	485.00	200.00	30.00
10		Less: Exclusions (Items not allowable / not claimed)	-	-	-	-	-
11		**Net Additional Capital Expenditure Claimed (on accrual basis)**	689.87	390.00	485.00	200.00	30.00
12		**Less: Un-discharged Liabilities**	-	-	-	-	-
13		**Add: Discharges of un-discharged liabilities, corresponding to admitted assets/works**	-	-	-		
14		**Net Additional Capital Expenditure Claimed (on cash basis)**	689.87	390.00	485.00	200.00	30.00

Note: Reason for exclusion of any expenditure shall be given in clear terms.

(Petitioner)

Statement showing items/assets/works claimed under Exclusions:							PART-II FORM- 9D
Name of the Petitioner: NORTH EASTERN ELECTRIC POWER CORPORATION LTD							
Name of the Generating Station: PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH							
S.No.	Head of Work / Equipment	ACE Claimed under Exclusion				Regulation under which claimed	Justification
		Accrual basis	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3		
(1)	(2)	(3)	(4)	(5=3-4)	(6)		(7)
NIL							

Note: 1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc.
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

(Petitioner)

PART-II
FORM- 9Bi

Details of Assets De-capitalized during the period

Name of the Petitioner: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station: PANYOR LOWER HYDRO POWER STATION
Region State: ARUNACHAL PRADESH, District: KEYI PANYOR (ERSTWHILE LOWER SUBANSIRI DISTRICT)

S. No.	Name of the Asset	ASSET ID	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalized	Year Put to use	Depreciation recovered till date of de-capitalization
(1)	(2)		(3)	(4)	(5)	(6)
NIL						

Note: Year wise detail need to be submitted.

(Petitioner)

Calculation of Depreciation

PART-II
FORM-11

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION (Formerly Ranganadi)

(Amount in Rs. Lakh)

(Petitioner)

NOT APPLICABLE



PART-II
FORM-12

Statement of Depreciation

Name of the Company : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Power Station : PANYOR LOWER HYDRO POWER STATION

(Amount in lacs)

Particulars	Upto 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Capital Cost Opening	147792.35	150624.23	157472.73	157649.40	157920.03	159123.50
Capital Cost Closing	148944.31	157472.73	157649.40	157920.03	159123.50	160374.23
Average Capital Cost	148368.34	158548.48	157561.07	157784.72	158521.77	159748.87
Land Value	0.00	0.00	0.00	0.00	0.00	0.00
Rate of depreciation	NA	NA	NA	NA	NA	NA
Depreciable Value	133531.50	143661.81	141725.46	141884.46	142128.03	143211.15
Balance useful life	19.59	18.59	17.59	16.59	15.59	14.59
Cumulative Depreciation upto previous year	98362.60	100157.85	102498.03	104728.13	106967.81	109223.12
Remaining Depreciable Value	35168.90	43503.96	39227.43	37156.34	35160.22	33988.04
Depreciation (for the period)	1795.25	2340.18	2230.10	2239.68	2255.31	2329.54
Depreciation (Annualized)	1795.25	2340.18	2230.10	2239.68	2255.31	2329.54
Cumulative Depreciation at the end of the period	100157.85	102498.03	104728.13	106967.81	109223.12	111552.66
Less: Cumulative depreciation adjustment on account of undischarged liabilities deduced as on 01.04.2009/COD	0.00	0.00	0.00	0.00	0.00	0.00
Less: Cumulative depreciation adjustment on account of decapitalization (Refer: Form 9B)	0.00	0.00	0.00	0.00	0.00	0.00
Net Cumulative Depreciation at the end of the period	100157.85	102498.03	104728.13	106967.81	109223.12	111552.66

PETITIONER

PART-II
FORM-13B

Calculation of Interest on Working Capital

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : DOYANG HYDRO POWER STATION

(Amount in Lacs)

Sl. No.	Particulars	Existing 2018-19	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Maintenance Spares	3348.08	2567.92	2739.07	2888.95	3968.13	3247.39
2	Receivables	4048.61	4453.57	4651.25	4891.47	4839.89	5002.64
3	O & M Expenses	1248.94	1437.73	1521.68	1610.53	1704.57	1804.11
4	**Total Working Capital**	**7547.64**	**8459.22**	**8813.95**	**9200.96**	**9612.59**	**10054.14**
5	Rate of Interest	12.00%	11.90%	11.90%	11.90%	11.90%	11.90%
6	**Interest on Working Capital**	**906.32**	**1006.65**	**1048.62**	**1094.91**	**1143.91**	**1195.44**

		2024-25	2025-26	2026-27	2027-28	2028-29
Security Expenses		425.00	446.25	468.56	491.99	516.59
Total		**425.00**	**446.25**	**468.56**	**491.99**	**516.59**

PETITIONER

PART-II
FORM-13C

Non-Tariff Income

Name of the Hydro Asset: PANYOR LOWER HYDRO POWER STATION (Formerly Reoganed)

S.No.	Parameters	Existing 2018-19	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Interest from Employees on Loans	0.54	1.59	1.00	1.15	1.37	0.34
2.	Sale of Tender forms Indian Currency	1.81	0.99	0.72	1.41	0.05	0.23
3.	Sale of Scraps	-	-	0.07	0.12	8.03	-
4.	Transit Hostelrecoveries	1.78	1.49	1.35	0.92	1.21	0.92
5.	Other Miscellaneous Receipts (Including filing	7.51	0.36	0.25	0.27	1.40	1.15
5.	Gain on Asset Sale	-	-	-	-	1.10	0.23
6.	Rent Receipt/Non/Residential	1.37	0.78	0.89	-	-	-
7.	Interest Incomeas per CompAdv.amortisation	0.32	0.35	0.33	-	-	-
8.	Interest Incomeas per FurnAdvamortisation	0.06	0.06	0.06	-	-	-
9.	Recovery of Rent/Employee Res Bldgs	-	-	-	0.35	0.32	1.00
10.	Rent recov from others- Non residential	-	-	-	0.37	0.96	0.96
11.	Liquidated Damages Recovered	-	-	-	0.03	-	0.60
	TOTAL (INR)	13.41	5.63	4.70	5.23	15.48	5.36

Note: To be submitted at the time of truing up

(Petitioner)

PART-II
FORM-15B

Design energy and MW Continuous (month wise) - ROR type stations

Name of the Petitioner :NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION

Generating Company: NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

Name of Hydro-electric Generating Station : PANYOR LOWER HYDRO POWER STATION (Formerly Ranganadi)

Installed Capacity : No of units X MW = 3 X 135

Month		Design Energy * (MUs)	MW Continuous *
April	I	21.12	405
	II	23.80	405
	III	36.68	405
May	I	38.47	405
	II	29.70	405
	III	22.27	405
June	I	46.88	405
	II	92.34	405
	III	92.34	405
July	I	52.48	405
	II	48.00	405
	III	69.56	405
August	I	38.18	405
	II	31.12	405
	III	39.09	405
September	I	28.22	405
	II	92.34	405
	III	72.72	405
October	I	30.84	405
	II	25.61	405
	III	33.55	405
November	I	22.93	405
	II	22.19	405
	III	20.78	405
December	I	20.45	405
	II	21.19	405
	III	25.22	405
January	I	19.17	405
	II	18.64	405
	III	24.04	405
February	I	18.24	405
	II	17.77	405
	III	11.43	405
March	I	17.77	405
	II	20.92	405
	III	25.52	405
TOTAL		1293.73	

* As per DPR / TEC of CEA dated ----------

(Petitioner)

FORM-16

Statement of Liability Flow:

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH

₹ in lakh

Sl.No.	Party	Asset / Work	Year of actual capitalisation	Original Liability	Liability as on 31.03.2019	Discharges (Yearwise) 2019-2020	Discharges (Yearwise) 2020-2021	Discharges (Yearwise) 2021-2022	Discharges (Yearwise) 2022-2023	Discharges (Yearwise) 2023-2024	Reversal (Yearwise
	1	2	3	4	5	6					7
	LIABILITY AS ON 31-03-2019										
1	ADSON CONSTRUCTION COMPANY		2002	2.54	2.54	-	-	-			
2	ATPC-ROMA JV		2003	28.33	28.33	-	-	-			
3	BHARAT HEAVY ELECTRICALS LIMITED		2019	88.34	88.34	88.34	-	-			
4	BANJEET SARMA		2003	0.45	0.45	-	-	-			
5	ELECTROKING		2002	7.19	7.19	-	-	-			
6	STEELAGE INDUSTRIES LTD.		2002	25.82	25.82	-	-	-			
7	S.MARBANIANG		2002	28.30	28.30	-	-	-			
8	SUJATA ENTERPRISE		2002	1.27	1.27	-	-	-			
9	TATA-NCC ELECTRIC & ENGG .CO. LTD		2002	31.28	31.28	-	-	-			
	LIABILITY AS ON 31-03-2022			-							
10		4/5 KM Gravity Pipeline LCC Road	2022	10.55					10.55		
11		Breast Wall & Chain Wall) Project Dam site road	2022	12.06					12.06		
	LIABILITY AS ON 31-03-2023			-						37.53	
12		Protection Wall @ Dam - Intake Road, Dam Site	2023	37.53							
	LIABILITY AS ON 31-03-2024			-							
13		Road/Tower/Hydro-Met Monitoring System, MS&AC	2024	37.69							
					293.14	211.17	88.34	-	-	37.53	-

(Petitioner)

2 1551
2 991

DETAILS OF SECURITY EXPENSES

Name of the Petitioner : NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

Name of the Generating Station : PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH

(Rs. In Lakhs)

SL.NO.	PARTICULARS	2024-25	2025-26	2026-27	2027-28	2028-29
		AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
1	SECURITY EXPENSES					
	TOTAL	-	-	-	-	-





PART II
FORM 16

Details of Statutory Charges (If Applicable)

Name of the Petitioner: North Eastern Electric Power Corporation LTD
Name of the Generating Station: PANYOR LOWER HYDRO POWER STATION, YAZALI, ARUNACHAL PRADESH

(IN LAKHS)

Sl. No.	Particulars	Unit Rate	No of Units	Amount Claimed-2019-20	Amount Claimed-2020-21	Amount Claimed-2021-22	Amount Claimed-2022-23	Amount Claimed-2023-24
1	Electricity Duty							
2	Water Cess							
3	Pollution Control Expenses.			10.14	9.85	10.05	32.03	-
4	Licence Fee			1.42	2.40	1.93	1.46	0.67
TOTAL				11.56	12.45	11.99	33.49	0.67

(Petitioner)

नार्थ ईस्टर्न इलेक्ट्रिक पावर कार्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
भारत सरकार का उद्यम/ (A GOVT. OF INDIA ENTERPRISE)
कार्यपालक निदेशक (ओ एंड एम) का कार्यालय
OFFICE OF THE EXECUTIVE DIRECTOR (O&M)
नीपको भवन, आर. जी. बरुआ रोड, गुवाहाटी-781005
NEEPCO BHAWAN, R.G.BARUAH ROAD, GUWAHATI-781005
E-mail: edonm@neepco.co.in / neepco.edonm@gmail.com

No. NEEPCO/ED(O&M)/OPR-58/2024-25/ Date: 27/05/2024

To

The Chief Engineer (HP& I),
HP & I Division,
Central Electricity Authority,
7th Floor, Sewa Bhawan,
R.K. Puram, New Delhi-110066

Sub: Certification of Inflow series data by CEA/CWC.

Ref: Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.

Sir,

This is with reference to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, as issued under Notification No. L-1/268/2022/CERC Dated 15th March, 2024.

Your kind attention is drawn to Clause No. 65 (Computation and Payment of Capacity Charge and Energy Charge for Hydro Generating Stations) under Chapter 11 of the said regulations. As per stipulations under sub clause 7 and 8 of Clause No. 65, any shortfall in energy charges on account of saleable scheduled energy being less than the saleable design energy during tariff period 2019-24, due to reasons beyond the control of the generating station, is recoverable (Page 119 and 120 of the referred Regulations are attached at **Annexure-I**)

In the above context, inflow data in respect of Doyang, Panyor Lower, Tuirial & Kameng HPS for the years 2019-20, 2020-21, 2021-22, 2022-23 & 2023-24 as measured/ calculated, are enclosed herewith (**Annexure-II**) along with rainfall maps from the Indian Meteorological Department (**Annexure-III**) for kind reference. It is requested for kind examination and certification by CEA in respect of the above, in order for submission of truing up petition to CERC for recovery of the shortfall energy charges.

Thanking you,

Yours faithfully,

Enclo : Annexures I, II and III

(Bijit Kr. Goswami)
Executive Director (O&M)

Copy to:
Memo No. NEEPCO/ED(O&M)/OPR-58/2024-25/ Date: 27/05/2024

1. The Director (Hydrology), NE, CWC, New Delhi - for kind information, along with Annexures I, II and III.

(Bijit Kr. Goswami)
Executive Director (O&M)

नाथ ईस्टर्न इलेक्ट्रिक पावर कार्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
भारत सरकार का उद्यम (A GOVT. OF INDIA ENTERPRISE)
कार्यपालक निदेशक (ओ एंड एम) का कार्यालय
OFFICE OF THE EXECUTIVE DIRECTOR (O&M)
नीपको भवन, आर. जी. बरुआ रोड, गुवाहाटी-781005
NEEPCO BHAWAN, R.G.BARUAH ROAD, GUWAHATI-781005
E-mail: edonm@neepco.co.in / neepco.edonm@gmail.com

Not In Original

Memo No. NEEPCO/ED(O&M)/OPR-58/2024-25/ 38-39 Date: 27/05/2024

Copy to:

1. The Director (Technical), NEEPCO, for favour of kind information please.
2. The Executive Director (Commercial), NEEPCO, Shillong, for favour of information please.

Executive Director (O&M)

ANNEXURE – II

Calculated Average Inflow (CuM/Sec) of Tuirial Hydro Power Station (THPS) for the year 2019-20

Date	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
1	12.651	19.181	9.690	46.113	110.949	14.928	109.202	9.301	15.302	0.000	18.001	17.400
2	18.985	12.348	10.091	46.042	111.288	25.361	52.987	8.812	0.000	7.503	24.166	19.462
3	23.877	12.010	18.862	53.071	255.474	47.629	52.916	38.584	2.784	18.535	24.104	12.806
4	6.022	13.706	23.303	58.016	207.967	194.808	50.494	11.705	0.000	6.764	16.479	6.890
5	5.497	14.062	16.675	59.699	138.505	206.559	37.889	11.669	0.000	13.442	11.738	14.160
6	6.112	3.307	43.384	38.737	89.163	243.007	105.516	11.767	28.674	11.742	12.094	14.142
7	13.238	0.000	64.329	25.328	166.006	311.455	71.572	11.901	0.000	8.483	12.041	7.246
8	12.971	5.284	29.211	27.617	139.893	170.718	131.994	38.450	5.000	0.000	5.163	14.017
9	19.724	12.206	16.363	46.887	89.012	67.458	104.964	11.874	0.000	9.009	11.809	20.930
10	8.272	4.883	17.031	101.838	70.662	125.968	108.596	92.314	0.000	0.000	11.676	7.950
11	12.971	4.562	17.227	101.829	15.472	97.326	109.691	65.605	0.000	0.000	12.148	12.984
12	6.316	11.743	17.067	121.072	27.668	98.312	81.130	12.649	0.000	0.000	12.094	14.801
13	2.176	5.275	37.887	140.651	53.665	62.035	43.818	13.975	6.398	8.644	12.059	5.840
14	5.818	5.408	58.591	277.082	56.505	63.352	51.794	51.928	0.000	7.834	18.687	7.059
15	5.444	5.542	45.067	231.578	58.630	96.454	118.871	0.000	0.000	6.801	12.041	14.195
16	19.448	25.810	17.316	163.363	80.481	88.777	81.121	0.000	5.579	7.495	19.230	7.656
17	5.951	39.236	24.505	70.583	133.223	88.866	79.430	0.000	0.000	7.896	12.272	7.683
18	12.945	12.348	24.496	104.130	107.484	78.434	42.714	104.759	0.000	0.000	11.827	7.620
19	12.784	12.384	17.494	103.845	82.636	80.382	104.910	0.000	4.334	8.653	11.881	14.496
20	13.052	12.348	23.045	172.069	31.380	150.346	0.000	24.284	3.613	0.000	18.112	11.898
21	5.844	5.159	24.452	88.532	30.766	97.309	23.803	0.000	0.000	7.914	11.021	12.602
22	5.862	12.482	66.083	111.413	231.986	151.662	24.025	0.000	4.022	0.000	11.066	12.067
23	0.000	23.704	31.490	68.536	464.197	122.647	23.776	103.593	0.000	0.000	11.760	6.846
24	5.960	12.339	22.186	44.551	1047.693	155.997	24.577	0.000	4.467	16.648	16.599	13.848
25	0.000	122.133	19.996	111.938	268.571	159.237	8.331	0.000	0.000	17.048	17.133	8.617
26	0.000	18.896	25.141	159.080	259.628	75.494	77.205	0.000	8.385	17.269	10.781	11.627
27	6.094	18.375	18.397	127.937	214.170	166.021	63.922	2.560	7.610	16.950	10.781	11.555
28	5.319	11.876	25.168	159.285	166.235	142.477	37.328	1.768	0.000	23.792	10.790	12.570
29	0.000	12.215	11.582	134.934	60.359	97.077	36.705	0.000	0.000	17.226	10.549	12.081
30	0.000	16.283	21.580	111.475	66.899	125.701	8.963	0.000	0.000	16.870		12.446
31		2.768		62.214	96.536		36.874		7.396	23.214		18.658

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मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
C/oThe EXECUTIVE DIRECTOR(O&M)

R. Bhargavan

Calculated Average Inflow (CuMi/Sec) of Tuirial Hydro Power Station (THPS) for the year 2020-21

Date	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
1	11.876	15.028	46.945	36.564	93.125	48.538	75.461	86.971	0.000	0.000	31.306	11.216
2	11.253	8.355	28.284	35.709	298.636	49.277	202.010	32.849	0.000	0.000	17.364	25.381
3	18.486	7.919	19.288	51.307	219.719	48.850	279.049	87.194	0.000	0.000	24.909	18.708
4	25.998	8.266	26.143	44.269	128.631	50.879	762.979	32.653	0.000	0.000	24.536	16.085
5	0.000	8.195	13.417	78.293	60.504	46.633	446.321	33.187	0.000	0.000	16.777	25.364
6	1.219	1.620	19.372	37.507	62.828	48.680	397.719	59.737	0.000	0.000	24.723	11.368
7	1.353	25.155	26.330	50.337	85.095	24.998	237.685	6.416	0.444	0.000	24.927	24.313
8	0.471	4.121	25.208	37.494	41.353	0.221	84.070	32.609	19.496	0.000	22.719	11.301
9	0.000	11.124	25.618	44.737	64.030	24.482	110.094	6.131	0.000	0.000	23.111	14.667
10	15.215	5.092	24.745	37.477	109.774	239.769	136.830	58.579	21.170	0.000	21.375	7.148
11	14.565	11.017	43.567	85.754	86.599	115.018	113.343	4.831	0.000	0.000	20.129	11.021
12	8.569	11.907	63.074	97.364	42.582	99.358	59.195	5.899	0.000	0.000	23.351	17.979
13	15.055	11.800	58.021	76.998	65.890	97.763	67.439	6.567	0.000	0.000	15.610	4.090
14	8.400	0.320	64.823	50.422	179.833	93.276	92.661	0.000	0.000	0.000	22.773	11.048
15	6.806	11.453	64.734	66.189	247.550	189.439	43.382	56.889	5.599	0.000	23.075	10.834
16	8.346	11.676	63.887	59.356	88.478	170.653	16.548	5.090	22.078	0.000	23.227	17.801
17	21.389	0.151	43.522	66.714	43.446	98.898	33.695	0.000	0.000	0.000	22.773	11.030
18	15.072	11.809	30.434	25.141	43.641	74.313	60.894	18.729	0.000	0.000	22.675	17.739
19	8.319	12.441	37.383	52.269	43.446	74.339	34.149	9.622	3.142	0.000	15.975	10.772
20	8.266	12.771	29.868	38.531	133.723	50.069	87.808	0.000	0.000	0.000	15.717	10.594
21	8.213	12.335	8.044	36.617	42.760	49.250	144.940	11.055	0.000	18.962	22.666	11.066
22	15.010	12.486	14.058	31.943	91.344	50.746	88.334	10.922	0.000	0.000	22.497	3.316
23	8.097	11.026	44.563	44.817	43.481	61.234	143.862	10.717	0.000	0.000	23.378	17.231
24	15.251	12.041	36.777	39.052	187.739	51.378	170.527	9.684	0.000	0.000	22.808	10.594
25	5.675	7.380	17.115	29.300	135.967	49.882	142.233	9.426	0.000	15.258	15.860	10.531
26	15.215	7.772	37.570	31.137	141.540	25.105	87.301	10.583	0.000	0.000	16.233	9.986
27	15.144	69.880	16.687	36.947	116.816	49.642	58.971	0.000	0.000	0.000	25.185	2.888
28	15.215	80.582	24.028	51.717	68.668	49.820	57.769	0.505	0.000	0.000	25.132	10.033
29	15.037	80.511	30.621	86.399	44.799	49.001	59.719	0.000	0.000	0.000		10.015
30	22.039	24.826	30.790	59.216	23.173	125.345	32.911	23.974	0.000	0.000		9.419
31		26.686		51.646	73.075		31.487		0.000	0.000		4.892

मुख्य महाप्रबंधक (ई/एम)
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कार्यपालक निदेशक (ज. एच एम) का कार्यालय
OFFICE OF THE EXECUTIVE DIRECTOR(O&M)

R. Thangam

Calculated Average Inflow (CuM/Sec) of Tuirial Hydro Power Station (THPS) for the year 2021-22

Date	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	14.560	8.270	4.900	12.620	56.170	264.240	74.940	45.160	27.210	28.200	0.000	6.200
2	0.000	0.000	7.950	1.470	111.700	179.040	76.830	47.660	8.420	13.130	0.000	6.070
3	0.000	7.460	1.500	0.000	671.940	48.490	30.140	14.020	30.480	27.190	16.020	11.180
4	19.150	7.580	4.610	0.000	294.000	233.080	51.060	67.700	0.000	43.350	4.790	11.970
5	0.000	6.960	14.430	9.370	178.521	188.300	23.610	67.830	34.690	26.080	4.480	12.050
6	14.600	7.680	14.380	0.000	231.070	95.230	31.890	0.000	51.210	26.720	31.200	31.020
7	0.000	8.120	17.720	91.020	241.830	48.410	34.880	36.950	191.470	26.190	3.300	0.000
8	0.000	8.360	11.320	64.920	136.490	106.810	37.270	21.640	74.200	29.640	5.450	1.760
9	0.000	7.640	8.020	42.990	101.360	256.690	36.800	40.010	74.440	10.260	0.000	10.150
10	0.000	0.000	64.190	105.892	47.310	163.525	45.370	11.580	24.520	44.460	21.450	10.530
11	0.000	7.260	52.500	53.985	47.350	76.200	11.570	34.770	48.020	13.990	21.640	10.320
12	0.000	3.360	100.440	52.450	28.850	88.290	39.470	36.850	24.310	26.600	1.960	0.000
13	14.670	6.980	74.318	167.280	25.630	27.450	0.000	37.110	25.060	33.890	21.160	10.380
14	0.000	23.930	61.792	166.710	28.790	27.450	8.850	36.940	24.630	33.530	20.320	11.930
15	0.000	26.240	107.330	76.530	28.700	47.430	0.000	62.050	26.180	18.080	6.260	0.000
16	0.000	7.730	48.860	124.680	121.410	66.726	45.110	153.790	25.500	19.120	4.180	0.000
17	0.000	0.000	33.770	83.970	85.160	94.550	62.970	82.430	2.960	41.230	16.600	0.000
18	0.000	7.720	44.930	75.960	30.170	178.960	64.370	62.550	31.970	41.270	16.550	0.000
19	15.030	8.420	26.437	298.730	48.700	200.230	65.420	38.200	32.630	22.740	4.360	0.000
20	0.000	8.150	22.024	242.840	11.640	310.020	91.560	62.540	9.210	22.070	4.590	0.000
21	0.000	0.000	33.320	129.330	48.620	340.100	141.870	39.130	32.250	21.370	0.000	0.000
22	0.000	7.650	97.140	93.820	30.210	190.360	95.280	37.150	38.740	30.960	3.520	0.000
23	0.000	7.810	71.740	55.690	27.040	139.370	83.580	32.740	25.300	8.970	12.480	0.000
24	15.010	8.340	47.953	68.650	62.440	111.590	34.150	30.670	10.090	8.860	13.570	0.000
25	0.000	7.930	29.344	23.748	11.700	83.470	73.880	34.000	39.320	33.310	10.830	0.000
26	0.000	8.130	34.110	42.010	61.570	69.920	45.240	10.070	42.290	7.190	5.240	0.000
27	0.000	7.970	20.310	113.840	31.600	98.190	70.930	34.130	5.220	6.740	0.000	0.000
28	8.270	8.080	19.450	94.360	87.830	139.250	96.500	10.560	32.430	23.990	16.600	0.000
29	0.000	7.750	5.780	74.590	80.650	80.360	89.130	17.690	7.120	5.330		0.000
30	7.120	0.000	9.220	56.050	106.130	133.000	66.290	27.820	37.950	0.000		0.000
31		16.980		37.340	183.410		63.670		42.440	17.280		0.000

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O/oThe EXECUTIVE DIRECTOR(O&M)

R. Bhuyan.

Calculated Average Inflow (CuM/Sec) of Tuirial Hydro Power Station (THPS) for the year 2022-23

Date	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
1	0.000	4.380	126.910	87.570	177.180	109.960	108.680	59.720	28.420	18.720	0.000	0.000
2	0.000	19.180	126.970	91.410	160.560	113.910	134.300	41.560	12.400	12.940	0.000	0.000
3	0.000	8.020	74.450	364.780	426.920	98.760	197.570	40.250	11.840	13.950	0.000	0.000
4	0.000	11.780	67.640	177.580	253.650	90.230	442.610	38.770	17.840	14.780	0.000	0.000
5	0.000	7.820	56.790	132.800	304.320	99.110	371.640	39.390	18.570	12.850	0.000	0.000
6	0.000	0.000	35.100	227.370	520.560	94.040	268.930	34.160	21.710	12.890	0.000	9.700
7	0.000	0.000	33.380	334.520	258.200	88.680	207.690	35.210	17.350	20.450	0.000	5.590
8	0.000	5.520	31.520	253.550	181.220	78.460	197.980	31.530	19.950	19.310	0.000	2.690
9	0.000	19.250	23.290	206.210	169.660	55.740	168.080	32.950	19.480	17.020	0.000	5.760
10	0.000	46.480	26.530	201.740	164.360	144.800	151.310	30.270	19.790	19.310	0.000	5.320
11	0.000	71.360	21.420	248.300	155.370	229.120	146.450	32.270	23.800	38.940	0.000	4.360
12	7.320	36.720	15.030	209.870	133.890	235.160	96.530	36.060	20.580	19.730	0.000	6.390
13	0.000	15.800	41.030	153.820	186.860	205.430	97.620	24.040	18.470	25.790	0.000	2.270
14	3.680	15.770	44.890	115.600	311.800	174.330	106.950	27.900	16.120	22.680	0.000	6.350
15	0.000	8.000	44.640	106.790	286.470	136.850	89.940	20.870	18.640	25.700	0.000	2.640
16	9.880	4.820	52.100	126.530	213.910	123.060	84.290	21.250	12.860	22.580	0.000	8.120
17	6.050	71.420	78.720	124.770	169.640	110.590	62.420	21.240	14.810	30.730	0.000	7.240
18	6.440	67.590	326.000	147.310	147.700	83.390	97.100	16.350	16.720	26.180	0.000	4.580
19	0.000	63.530	509.190	115.290	140.570	96.450	141.540	21.980	25.690	33.320	0.000	3.690
20	17.420	120.300	509.190	97.670	110.980	80.580	86.910	20.860	14.930	24.330	0.000	15.270
21	6.510	122.080	206.260	115.270	129.891	76.530	83.780	16.290	24.840	13.990	0.000	7.200
22	20.970	82.780	332.970	129.320	117.580	65.080	63.680	18.960	19.800	4.880	0.000	7.680
23	6.450	78.990	261.990	145.610	107.650	162.690	82.690	23.690	18.990	5.190	0.000	8.850
24	0.000	41.850	210.960	269.010	91.380	218.130	108.540	22.550	23.620	31.010	0.000	3.990
25	3.250	43.930	219.020	306.450	86.910	199.770	150.950	11.700	16.380	8.150	0.000	3.280
26	3.340	29.570	144.590	276.210	110.370	140.480	119.680	23.660	17.720	3.190	0.000	4.120
27	2.810	29.430	111.710	192.450	227.190	330.980	90.580	27.370	21.340	2.840	0.000	10.930
28	0.520	15.610	95.960	181.260	135.680	251.100	68.350	26.900	20.840	7.310	0.000	4.110
29	3.740	15.970	100.300	174.150	135.730	176.160	68.290	28.190	9.460	0.000		9.710
30	0.460	16.360	95.810	212.090	114.840	137.360	60.240	36.530	23.980	0.000		0.000
31		60.250		237.660	116.040		56.390		10.650	0.000		8.640

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)

R. Bhuyan

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Calculated Average Inflow (CuM/Sec) of Tuirial Hydro Power Station (THPS) for the year 2023-24

Date	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	14.150	0.000	3.370	18.960	43.610	142.150	100.210	13.850	12.070	9.250	6.580	5.460
2	13.930	30.420	6.430	19.350	61.570	99.980	124.870	15.530	11.920	13.300	14.920	9.400
3	25.060	0.000	4.550	23.030	48.790	85.730	129.840	16.770	13.030	8.590	5.850	5.850
4	24.890	4.550	1.030	12.090	37.780	78.090	104.180	20.960	8.980	10.310	6.330	9.050
5	21.810	4.580	0.830	110.820	35.920	61.100	89.240	16.130	11.800	14.180	6.560	4.060
6	21.290	0.850	7.350	222.350	72.230	54.370	65.200	15.720	7.580	14.010	5.880	7.550
7	6.470	0.870	1.160	100.730	192.050	52.900	53.520	12.940	87.380	14.380	1.130	4.030
8	0.000	0.930	7.330	63.590	188.410	76.690	62.940	8.780	88.050	10.820	6.030	7.300
9	2.780	0.860	13.810	41.190	151.240	68.790	10.420	4.010	31.260	15.830	5.270	3.450
10	0.000	0.000	72.450	34.540	105.000	54.610	43.270	4.360	17.350	10.210	0.050	1.160
11	0.000	0.850	39.720	20.740	137.370	89.070	34.250	8.740	12.270	14.680	6.290	8.670
12	0.000	0.790	14.260	19.790	97.740	283.420	22.910	7.800	0.000	27.880	10.480	0.000
13	0.000	0.870	13.930	21.870	82.070	217.730	22.120	7.970	23.700	31.380	10.790	8.240
14	0.000	4.510	36.700	23.000	75.430	165.050	18.590	12.220	20.790	29.780	12.530	3.760
15	0.000	4.420	70.830	29.180	69.790	132.020	13.940	9.210	22.400	28.030	15.470	4.540
16	5.380	0.000	214.040	25.170	120.180	102.580	15.150	14.230	3.220	29.110	8.230	3.380
17	0.000	8.080	154.120	183.580	136.750	86.300	10.760	71.200	11.690	25.720	11.230	0.230
18	0.000	11.720	91.820	75.940	137.950	70.010	19.750	87.260	23.200	25.040	7.700	5.740
19	0.000	0.000	96.060	64.840	118.320	156.410	14.710	28.760	23.380	29.300	1.130	0.000
20	20.680	15.010	73.820	68.580	80.070	239.550	13.300	20.790	19.410	27.540	15.670	5.360
21	2.970	0.000	84.470	65.350	91.790	423.280	12.660	20.380	9.850	28.830	18.430	2.220
22	0.580	8.130	81.060	82.360	109.000	225.210	19.130	19.200	17.690	28.730	20.790	4.670
23	4.190	0.000	69.970	98.270	79.620	147.590	23.570	18.150	7.810	28.060	57.250	6.780
24	0.000	1.660	65.570	298.080	72.900	109.780	12.850	12.200	9.090	22.630	9.080	3.380
25	0.000	0.000	47.010	278.970	57.550	84.840	22.670	0.000	18.400	24.920	16.560	3.520
26	0.000	27.580	55.230	244.750	97.600	66.270	21.890	10.060	14.740	14.650	8.890	13.160
27	0.000	11.210	55.140	152.820	150.460	137.730	13.340	11.100	9.890	15.920	10.090	2.400
28	0.000	1.260	37.790	93.440	151.570	92.670	18.370	12.360	15.000	10.670	9.200	6.090
29	0.000	1.200	30.370	66.490	92.040	74.160	17.590	17.820	13.510	4.380	8.550	2.420
30	0.000	7.670	19.210	65.210	88.880	73.410	13.640	9.580	8.840	9.250		7.460
31		0.000		67.720	113.280		17.250		13.930	13.710		0.000

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Chief General Manager(E/M)
कार्यपालक निदेशक (प्रो एण्ड एम) का कार्यालय
O/oThe EXECUTIVE DIRECTOR(O&M)

R. Thangan
Sr. M:(E/M)

Calculated Average Inflow (CuM/Sec) of Doyang Hydro Power Station (DHPS) for the year 2019-20

Date	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
1	0.000	3.547	5.260	37.439	147.883	28.554	94.463	85.878	11.493	3.861	0.000	0.000
2	4.346	6.013	2.627	69.207	291.238	25.655	102.507	72.014	14.693	6.233	5.430	0.000
3	0.005	5.623	7.096	100.136	292.478	27.579	85.726	61.913	15.661	10.620	5.546	0.000
4	0.000	15.842	9.768	68.477	337.624	24.827	85.314	65.832	15.469	5.645	0.000	0.000
5	8.758	28.483	6.867	63.445	182.031	26.674	68.425	58.738	11.728	34.292	0.000	0.000
6	4.216	10.542	8.574	91.563	114.959	53.772	63.792	56.053	14.246	0.000	0.000	0.000
7	0.178	24.381	28.099	71.935	78.285	38.990	137.950	29.041	14.005	9.674	4.499	0.000
8	4.324	0.000	31.466	148.070	72.982	79.540	153.023	41.564	10.910	4.422	5.279	0.000
9	8.902	2.178	23.976	139.579	83.921	39.560	133.305	20.562	7.457	6.451	3.157	0.000
10	4.389	1.882	19.542	106.247	99.304	71.773	94.405	57.182	17.393	6.497	3.366	0.000
11	4.403	0.298	23.155	98.589	63.827	99.421	112.220	56.789	7.288	2.175	3.489	0.000
12	4.259	1.084	25.598	80.908	44.262	72.708	92.726	65.716	8.679	5.979	0.000	0.000
13	4.216	2.907	28.047	51.469	64.021	136.690	96.324	44.677	12.618	7.250	2.616	0.000
14	2.770	3.119	26.002	28.273	124.121	116.878	63.652	29.947	9.594	0.000	1.006	0.000
15	5.221	5.617	44.478	11.335	90.366	102.062	72.569	43.153	11.061	5.784	1.129	0.000
16	9.361	3.863	28.173	4.344	84.404	97.429	89.473	33.149	9.722	1.808	0.000	0.000
17	20.759	5.280	32.818	32.107	80.340	101.574	74.590	29.963	4.366	19.447	0.000	0.000
18	0.000	3.757	15.721	27.647	79.874	100.687	50.898	27.011	6.411	0.000	0.000	0.000
19	5.995	2.889	21.577	31.106	73.474	68.272	68.634	27.394	7.625	5.802	0.000	0.000
20	5.120	2.317	30.306	60.144	56.242	77.434	39.029	27.079	7.139	0.000	0.000	0.000
21	8.114	2.469	50.493	44.157	53.712	59.395	49.777	22.224	7.776	30.037	0.000	0.000
22	0.000	10.079	47.707	35.863	47.608	89.741	38.759	28.852	11.276	7.386	0.000	0.000
23	2.934	7.265	29.793	27.314	54.188	96.344	30.513	18.031	1.610	0.000	0.000	0.000
24	2.732	24.053	22.286	22.730	29.417	148.706	45.230	20.588	2.730	15.521	0.000	0.000
25	2.725	41.667	17.491	49.265	45.506	171.691	44.350	20.307	3.922	0.000	0.000	0.000
26	0.989	32.282	21.784	84.993	54.500	157.970	185.105	17.764	7.826	2.448	0.000	2.393
27	4.526	17.282	17.599	105.855	3.930	150.842	361.939	15.989	5.448	4.937	0.458	2.133
28	5.322	10.755	16.578	144.449	43.779	138.793	216.067	16.729	6.257	12.893	1.497	0.091
29	5.532	8.755	14.821	103.599	30.708	111.199	156.739	15.920	7.964	0.000	0.000	0.000
30	9.452	5.677	47.559	93.880	27.946	116.125	119.628	12.649	7.927	5.317		0.000
31		4.947		82.805	33.116		87.309		5.337	0.000		0.000

मुख्य महाप्रबंधक (ई/मी)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एंड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)
नेएचपीसी, गुवाहाटी-781006 / NEEPCO, Guwahati-781006

R.Bhargava

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Calculated Average inflow (CuM/Sec) of Doyang Hydro Power Station (DHPS) for the year 2020-21

Date	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
1	1.723	8.319	23.522	58.108	84.560	63.206	82.259	95.037	13.610	3.858	4.073	0.000
2	0.265	4.260	12.662	80.351	76.898	63.047	83.079	118.940	13.752	3.822	4.426	1.165
3	1.059	5.422	24.961	70.191	60.644	46.461	96.148	101.032	13.788	3.735	4.498	2.212
4	0.525	8.723	9.079	55.223	83.918	54.252	76.062	71.535	5.050	12.430	4.231	5.322
5	0.388	5.299	12.238	143.231	13.337	37.435	92.295	80.482	14.221	3.641	3.950	0.000
6	0.034	8.507	10.294	247.340	108.621	44.909	93.659	70.949	15.130	12.314	4.065	5.407
7	0.000	8.817	13.898	238.469	149.368	37.904	88.104	54.546	15.123	3.591	3.878	5.132
8	0.000	3.762	9.948	193.130	141.850	39.136	109.302	55.245	5.504	12.249	4.527	3.501
9	0.000	8.016	5.766	167.138	199.451	42.737	104.224	43.705	13.449	0.000	3.582	1.878
10	0.000	0.064	22.081	114.334	147.113	66.090	131.142	41.194	14.040	4.314	4.051	3.307
11	0.000	0.031	51.045	144.379	115.667	58.955	98.831	39.195	13.687	11.946	3.625	4.848
12	4.230	4.148	73.453	115.763	141.737	42.340	83.118	40.991	12.200	0.000	3.647	18.629
13	4.187	4.140	83.067	106.160	152.647	58.392	99.177	22.631	4.292	20.481	3.654	0.000
14	0.128	4.162	62.708	165.067	146.667	49.670	83.240	31.312	13.701	0.000	3.553	6.645
15	3.970	4.003	51.653	181.971	111.771	49.453	115.265	22.263	4.321	11.918	3.683	18.376
16	3.934	8.452	62.664	109.805	111.439	48.970	49.864	24.558	12.482	4.559	3.748	0.000
17	0.070	12.821	130.684	86.040	101.919	40.608	80.604	24.580	4.075	4.444	13.293	0.000
18	7.983	3.127	198.007	77.809	102.670	48.089	83.806	18.238	12.078	4.407	16.721	0.000
19	3.736	3.517	172.942	63.746	140.770	55.893	82.009	27.135	12.244	3.722	0.000	0.000
20	4.545	7.929	292.456	69.692	133.419	47.882	87.310	17.119	3.505	11.975	0.568	0.000
21	7.730	0.558	261.125	61.071	135.124	45.797	79.634	17.141	12.648	3.830	0.893	0.000
22	8.733	12.573	137.886	60.934	125.785	55.544	103.327	22.321	12.792	4.523	0.308	0.000
23	7.781	8.261	126.626	68.855	144.136	72.491	164.167	14.463	4.003	12.156	0.000	0.000
24	10.559	13.323	196.884	83.825	144.700	78.192	183.275	23.512	12.763	4.400	8.359	0.000
25	4.108	4.809	86.365	75.398	126.732	69.544	143.973	14.673	4.292	3.325	8.381	0.000
26	5.338	17.692	72.288	76.632	125.142	63.362	120.548	14.052	3.938	3.852	23.021	2.343
27	8.798	54.341	64.586	52.031	93.555	59.609	96.286	13.980	12.648	4.364	0.000	7.353
28	12.763	28.008	56.740	84.287	71.695	64.363	80.342	13.980	3.837	4.025	0.080	6.321
29	3.048	26.251	64.384	100.527	63.045	58.351	73.668	22.718	12.337	4.061		21.855
30	8.488	62.236	58.385	99.213	56.014	47.009	64.239	13.915	4.025	3.808		11.950
31		21.133		100.880	63.473		69.425		12.150	3.873		0.000

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक(ओ एण्ड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)

R. Bhuyan

2021

Calculated Average Inflow (CuM/Sec) of Doyang Hydro Power Station (DHPS) for the year 2021-22

Date	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	0.000	0.000	4.690	14.162	146.116	102.575	23.768	15.517	0.000	2.519	3.036	2.462
2	0.000	0.000	4.466	14.011	167.934	109.837	20.080	7.761	7.897	2.952	2.459	2.607
3	2.314	0.000	4.444	14.191	98.490	119.646	28.182	7.350	1.313	2.592	0.000	0.000
4	2.725	0.000	4.740	15.086	49.894	91.919	16.653	7.964	0.953	2.519	5.346	2.462
5	0.000	0.000	0.342	70.648	29.847	64.993	34.905	7.422	0.000	0.000	3.614	0.000
6	0.000	0.000	0.328	25.317	38.136	58.366	26.515	7.581	1.025	2.736	3.108	0.000
7	0.000	0.000	4.473	34.561	87.923	51.847	18.810	7.372	0.880	0.000	12.201	2.607
8	0.000	0.000	0.046	44.378	116.560	163.081	26.912	7.733	8.114	2.880	1.954	0.000
9	0.000	1.555	0.400	43.666	61.264	76.013	18.904	7.891	1.025	2.447	4.480	0.000
10	0.000	0.000	4.473	66.017	18.666	87.843	18.695	8.715	1.169	0.000	5.201	2.462
11	0.000	0.000	21.986	36.023	38.071	49.104	27.027	7.401	7.825	2.519	0.000	0.000
12	0.394	0.000	12.674	33.663	45.317	63.302	19.438	0.000	0.664	2.664	4.840	0.000
13	0.000	0.000	8.392	41.514	40.203	45.200	19.373	8.939	0.361	2.808	4.768	0.000
14	0.000	0.000	12.075	23.965	27.604	35.489	20.297	7.515	7.464	2.664	0.000	0.000
15	0.000	3.791	15.828	30.091	30.104	36.196	11.942	7.733	7.897	2.519	0.000	2.029
16	0.000	4.065	20.320	38.172	37.043	44.319	9.359	0.000	0.520	2.736	0.000	0.000
17	0.000	0.000	16.607	88.831	238.015	108.138	18.666	7.805	0.447	2.664	9.476	0.000
18	0.000	0.017	16.983	76.146	189.926	85.738	10.506	0.000	0.808	2.664	0.000	0.000
19	0.000	0.623	13.047	60.731	125.878	56.427	19.055	0.000	0.000	2.592	0.000	0.000
20	1.868	4.516	42.844	114.684	98.641	44.067	18.889	8.529	7.753	2.664	0.000	0.000
21	0.000	4.041	70.189	101.951	92.628	52.926	33.621	7.880	0.953	2.519	0.000	0.000
22	0.000	3.510	37.592	36.910	73.519	44.514	25.865	1.513	0.375	2.620	0.000	1.957
23	0.000	4.451	28.257	25.556	58.129	52.681	25.627	1.657	3.278	2.519	2.387	0.000
24	0.000	4.256	19.303	28.831	44.096	44.269	17.598	1.729	0.000	2.664	2.459	0.000
25	0.000	4.155	19.346	37.874	43.974	44.305	17.569	1.873	2.845	2.808	2.675	0.000
26	0.000	3.733	21.377	35.687	57.846	44.449	16.270	1.729	3.062	0.000	2.026	0.000
27	0.000	0.000	20.231	53.784	51.243	37.120	17.475	15.474	3.062	2.952	2.531	0.000
28	0.000	0.000	15.602	36.401	59.738	35.871	9.258	8.241	2.918	0.000	2.098	0.000
29	0.000	4.265	8.358	22.731	65.325	44.781	8.529	8.168	2.918	0.000		0.000
30	8.834	0.000	11.521	39.031	90.924	33.442	16.515	1.152	3.062	2.303		0.000
31		4.407		156.200	124.773		7.987		2.918	1.509		0.000

मुख्य महाप्रबंधक (इ/एम)
Chief General Manager(E/M)
कार्यालय निदेशक (ओ एंड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)
NEEPCO, Guwahati-781005 / NEEPCO, Guwahati-781005

R. Thangen

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Calculated Average Inflow (CuM/Sec) of Doyang Hydro Power Station (DHPS) for the year 2022-23

Date	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
1	0.000	4.537	117.602	50.263	66.323	58.043	8.849	23.170	11.954	0.000	0.281	0.000
2	0.000	4.934	40.377	141.832	58.852	40.735	55.017	23.148	2.571	4.447	0.000	0.000
3	0.000	18.802	72.107	149.773	92.195	48.365	51.071	34.491	3.611	0.535	0.000	0.000
4	4.519	46.493	50.371	206.887	106.990	38.268	71.400	29.142	13.134	0.386	0.000	0.000
5	0.000	41.206	31.817	166.981	149.891	45.573	63.378	0.866	0.000	5.958	0.000	0.000
6	0.000	12.858	26.424	126.520	178.682	64.777	47.689	21.019	12.236	0.000	0.000	0.000
7	0.000	7.335	37.594	106.105	121.359	69.011	54.429	29.681	2.500	1.892	0.000	0.000
8	0.000	19.839	41.865	189.907	104.436	53.569	70.361	1.653	9.445	5.980	0.000	0.000
9	4.512	7.357	34.472	121.884	75.987	51.569	75.133	23.657	0.848	5.156	0.000	0.000
10	11.636	12.230	56.808	115.424	77.161	39.438	52.182	0.000	8.943	0.903	0.000	0.000
11	39.977	27.498	38.011	115.633	55.417	61.100	50.421	27.352	0.000	2.944	0.000	0.000
12	25.468	99.697	38.192	95.168	49.559	81.040	44.954	19.776	11.745	3.035	0.000	0.000
13	25.359	24.855	23.230	79.287	42.200	150.119	34.095	6.408	6.310	2.841	0.000	0.000
14	0.000	6.987	32.246	57.660	46.751	217.680	52.778	18.727	0.000	0.000	2.704	0.000
15	4.641	10.119	40.441	42.169	69.150	180.541	31.353	11.700	22.879	2.885	0.000	0.000
16	0.000	20.306	81.188	36.689	46.084	127.204	29.808	13.218	4.809	2.649	2.841	0.000
17	11.651	21.988	66.956	42.479	42.940	93.898	34.604	2.857	3.362	2.740	2.986	1.600
18	11.615	19.649	48.219	41.425	49.741	92.852	38.466	18.354	3.499	2.617	0.000	0.000
19	4.786	46.064	69.453	19.377	42.284	69.937	31.609	7.227	4.848	3.008	0.000	1.809
20	11.535	41.183	52.260	10.913	35.015	58.479	19.804	11.150	0.000	2.741	0.000	1.873
21	4.757	32.128	110.528	100.187	41.970	90.376	25.822	9.790	4.565	0.000	0.000	1.930
22	11.766	34.242	216.843	79.130	42.165	74.267	24.774	0.295	1.836	0.000	0.000	1.682
23	2.114	24.850	291.163	100.131	35.996	63.009	32.382	17.408	0.000	0.000	0.000	0.000
24	1.969	15.267	176.373	72.287	42.313	148.633	44.567	7.041	10.314	3.003	0.000	0.000
25	1.724	29.337	177.913	106.735	42.414	130.080	80.471	10.000	2.010	2.885	0.000	0.000
26	0.000	34.206	123.807	113.203	44.247	131.340	86.163	5.143	7.493	2.953	0.000	1.582
27	1.558	16.034	89.296	114.538	51.458	118.774	54.311	9.857	4.809	1.569	0.000	0.000
28	0.000	26.044	68.109	93.863	87.725	99.921	45.425	4.208	7.399	0.278	0.000	0.426
29	5.002	24.947	50.960	86.611	80.425	89.479	33.512	9.434	3.521	0.000		0.534
30	11.499	24.526	38.794	107.738	64.233	59.797	26.548	0.114	3.297	0.000		0.260
31		25.101		93.993	50.672		53.286		1.844	0.000		4.774

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Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/oThe EXECUTIVE DIRECTOR(O&M)

Calculated Average Inflow (CuM/Sec) of Doyang Hydro Power Station (DHPS) for the year 2023-24

Date	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	4.572	0.183	0.270	58.300	86.090	94.597	46.607	15.386	0.911	0.000	2.675	0.000
2	8.064	0.000	4.693	34.712	50.099	73.704	48.740	8.339	0.809	0.000	2.459	2.375
3	4.803	0.089	0.321	41.635	175.567	73.248	64.481	15.573	7.483	0.000	2.531	2.462
4	4.803	4.393	0.191	34.619	267.454	37.179	27.380	8.515	10.092	0.000	2.459	0.000
5	4.803	0.121	0.230	64.421	194.357	68.000	36.287	15.180	0.000	0.000	0.000	0.000
6	4.803	4.693	0.111	269.745	147.195	34.751	44.695	8.287	0.000	6.922	2.264	0.000
7	7.407	0.118	4.502	126.971	455.249	39.441	44.202	15.137	7.454	0.000	0.000	0.000
8	0.463	0.183	9.019	92.992	380.186	52.070	30.933	8.010	28.422	0.000	0.000	0.000
9	7.407	0.031	4.665	75.437	254.346	104.268	56.226	8.235	14.392	2.519	0.000	0.000
10	0.463	0.000	9.018	51.291	327.337	44.887	23.693	8.206	10.384	2.447	0.000	0.000
11	0.000	0.132	22.059	45.569	234.345	83.683	31.499	7.966	11.518	2.519	0.000	5.121
12	0.000	0.000	25.720	38.387	198.469	92.618	30.608	0.819	7.252	2.519	0.000	0.000
13	0.254	0.086	33.142	13.497	157.006	108.356	31.904	8.126	2.946	2.447	0.000	0.000
14	0.366	0.229	16.352	53.950	175.663	51.099	31.987	7.966	7.371	2.519	0.000	5.413
15	0.261	0.086	17.381	135.037	151.571	82.780	25.419	8.146	7.421	2.664	0.000	0.000
16	0.157	4.523	18.759	300.498	186.346	74.334	21.344	1.333	7.451	2.664	0.000	0.000
17	0.176	4.314	24.375	180.700	186.691	64.967	20.839	8.357	7.407	0.000	0.000	5.291
18	0.106	0.000	34.297	102.128	182.007	48.662	20.933	8.382	6.613	2.447	0.000	0.000
19	0.294	4.249	30.193	74.026	176.580	54.919	18.305	8.364	0.219	0.000	0.000	5.293
20	0.186	4.312	22.662	115.432	111.476	112.683	14.229	8.406	0.282	0.000	4.857	0.000
21	0.157	0.024	11.633	80.450	132.686	95.047	11.609	15.541	0.100	0.000	0.000	0.000
22	0.200	4.496	25.618	58.803	141.672	93.322	16.351	16.138	0.052	0.000	0.000	10.108
23	4.597	0.183	25.695	146.768	118.584	76.859	5.664	17.721	0.155	0.000	4.929	5.440
24	4.382	4.278	22.395	198.410	109.042	76.691	15.236	21.365	7.196	0.000	11.657	5.077
25	0.300	4.278	39.863	158.410	143.584	76.896	22.371	22.302	7.110	0.000	11.801	0.000
26	4.571	8.659	51.389	131.397	168.460	60.823	29.729	15.863	0.279	0.000	5.506	5.438
27	4.425	8.661	98.340	90.090	135.579	60.276	22.901	8.822	7.124	0.000	0.000	5.438
28	0.000	8.625	107.311	82.842	119.649	59.142	15.586	0.981	0.201	0.000	4.496	6.105
29	0.236	0.115	107.081	66.341	87.741	56.859	15.770	0.000	0.000	0.000	0.000	0.000
30	0.292	8.690	58.280	52.970	86.885	48.950	15.825	7.848	0.099	0.000		5.943
31		0.178		65.465	142.393		8.578		0.000	0.000		6.087

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक औ एच एम का कार्यालय
O/oThe EXECUTIVE DIRECTOR(O&M)

Sr. Mgr. (E/M)

Average Inflow (CuM/Sec) of Panyor Lower Hydro Power Station (PLHPS) for the year 2019-20

Date	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
1	36.083	151.608	52.125	60.036	192.244	55.700	100.119	43.098	33.048	19.628	20.530	22.534
2	26.336	136.625	43.858	73.577	163.956	55.994	110.004	42.499	39.659	20.161	20.028	21.147
3	27.544	76.038	46.233	95.927	136.556	57.453	96.026	39.864	31.875	22.338	20.965	27.726
4	26.069	50.782	54.775	71.251	130.691	73.212	86.010	37.525	28.286	28.395	19.568	24.428
5	27.832	218.958	45.791	68.559	113.829	62.622	78.679	37.772	27.946	28.775	19.787	25.729
6	27.350	141.543	53.337	58.079	114.754	133.236	84.799	44.182	25.965	23.344	20.435	21.731
7	27.255	76.685	47.349	174.195	96.156	93.308	83.794	40.473	26.947	21.491	19.843	20.605
8	27.008	62.814	53.739	325.892	126.037	66.579	79.369	38.005	26.970	21.531	18.472	25.020
9	26.438	121.006	49.910	519.175	112.635	75.926	84.386	36.811	28.527	21.530	19.096	41.038
10	38.298	103.356	46.694	509.243	110.719	120.188	74.802	35.449	25.244	20.824	20.558	22.171
11	28.737	121.325	39.600	436.201	90.209	93.409	70.586	35.000	26.088	20.104	17.183	28.288
12	26.773	70.499	52.596	367.718	85.595	135.739	66.257	35.094	26.634	20.643	17.601	73.276
13	26.015	61.394	39.743	279.559	85.680	106.292	63.117	35.096	27.352	18.477	15.297	45.062
14	25.352	54.624	36.712	186.491	80.618	99.366	59.142	32.246	23.990	17.283	16.284	30.975
15	26.054	62.403	58.147	215.385	98.092	102.074	56.803	34.320	27.228	16.860	13.904	29.332
16	25.295	56.550	58.499	296.098	93.097	199.152	56.654	33.323	25.331	18.244	14.375	30.024
17	26.892	82.617	110.244	200.897	88.347	175.591	53.494	34.979	26.047	19.128	14.815	21.986
18	25.721	83.174	152.737	165.218	71.065	121.900	52.542	34.482	28.516	19.166	14.354	21.106
19	26.236	86.868	70.805	140.817	73.751	101.068	52.179	36.138	26.405	17.783	20.644	22.792
20	25.979	57.416	56.647	115.894	65.375	89.711	49.612	83.720	25.169	18.205	23.722	21.943
21	25.538	65.749	50.507	132.320	63.158	93.271	54.636	42.906	25.647	18.666	20.356	19.713
22	23.984	102.512	53.831	260.560	60.918	88.271	52.197	32.881	26.631	19.661	18.568	22.051
23	23.316	178.295	56.266	161.497	74.819	118.350	51.284	32.058	24.914	19.138	16.228	21.383
24	22.934	116.323	75.244	131.806	105.913	250.894	47.877	31.974	23.469	21.912	21.357	22.540
25	22.421	87.232	57.843	164.824	68.727	153.986	44.628	30.714	22.975	20.767	21.503	22.275
26	15.646	76.760	172.611	164.575	57.662	121.519	117.952	30.581	23.303	20.910	28.899	19.278
27	26.821	65.087	107.286	161.975	54.848	125.841	74.546	30.758	24.103	18.883	50.624	21.588
28	37.173	89.303	147.779	135.629	49.215	115.108	51.822	28.693	23.281	19.275	31.958	21.206
29	52.397	62.007	88.913	118.288	51.446	107.158	46.871	27.808	22.263	19.112	25.233	39.563
30	100.812	58.311	72.011	104.609	49.436	95.643	46.153	31.450	21.439	19.666		28.216
31		56.291		136.719	55.667		46.224		20.933	23.977		21.676

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)

R. Bhuyan

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Average Inflow (CuM/Sec) of Panyor Lower Hydro Power Station (PLHPS) for the year 2020-21

Date	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
1	19.825	59.569	90.193	111.875	176.144	57.822	83.760	40.830	22.080	17.158	16.445	113.833
2	22.267	36.848	157.055	190.317	161.089	60.233	78.117	35.816	22.558	18.871	17.050	59.666
3	41.704	33.149	112.749	126.524	153.799	58.205	75.380	38.809	22.858	18.051	17.608	27.809
4	21.844	31.400	123.667	101.416	118.320	53.752	76.253	39.249	24.302	18.081	16.040	20.635
5	18.983	36.125	118.588	97.172	114.543	60.986	87.569	37.887	24.420	16.811	15.419	22.600
6	18.300	41.772	198.517	93.444	101.956	151.389	111.418	34.604	24.111	17.428	14.389	34.921
7	22.064	37.845	146.001	93.538	102.696	122.251	111.113	35.190	24.843	19.127	16.225	25.447
8	22.873	25.431	110.927	92.871	100.053	88.962	81.866	35.994	23.858	18.762	15.201	19.961
9	19.081	24.756	92.284	147.082	99.357	69.324	79.534	33.920	22.634	17.733	15.740	18.873
10	15.511	21.489	80.276	201.151	105.558	59.696	68.500	32.282	17.733	17.977	15.057	17.497
11	19.968	27.039	81.871	230.343	156.653	80.176	74.339	31.840	23.402	17.202	15.953	19.052
12	28.528	30.474	87.475	213.812	133.920	84.011	61.982	32.742	22.438	18.659	16.875	22.272
13	22.878	43.859	110.988	171.102	103.432	101.160	55.653	31.177	21.500	27.147	13.186	20.381
14	19.378	103.611	91.378	131.218	97.399	84.691	56.813	30.196	21.228	25.177	14.294	20.032
15	18.293	42.077	78.043	118.980	86.390	75.019	51.582	28.348	23.667	18.606	15.105	22.017
16	24.589	43.774	80.013	130.883	88.197	80.193	46.633	31.191	21.428	17.172	18.491	36.633
17	28.322	107.854	74.794	128.681	131.137	96.398	46.375	30.434	21.486	16.588	13.797	21.662
18	22.781	53.563	156.594	124.976	95.838	104.990	44.838	33.876	22.396	17.846	14.458	19.772
19	55.139	49.375	119.582	135.350	89.777	84.858	46.355	35.292	23.252	17.178	15.721	18.191
20	85.274	38.793	118.542	181.060	61.502	70.897	45.699	35.110	19.589	18.168	15.021	16.316
21	48.416	97.477	94.286	193.076	74.622	74.613	43.843	30.773	21.859	21.823	13.616	16.466
22	54.094	623.011	100.325	198.558	83.454	120.124	43.492	29.094	19.796	20.800	13.189	16.666
23	33.921	420.575	116.034	140.648	74.540	149.998	45.797	29.263	18.374	18.791	13.804	19.711
24	58.662	292.692	126.583	131.939	67.000	140.180	85.837	28.908	17.896	17.874	13.861	16.133
25	78.676	308.375	154.417	119.041	67.341	147.078	90.122	25.411	14.778	18.030	13.544	15.406
26	46.143	273.005	202.247	108.530	56.660	139.641	67.633	23.705	18.807	18.051	12.878	15.384
27	36.485	294.925	273.785	107.698	44.414	125.435	55.761	25.089	19.464	16.358	14.670	15.027
28	40.341	154.182	188.486	419.987	22.765	119.974	44.615	26.601	19.484	16.056	21.069	14.194
29	31.569	121.943	152.063	255.805	70.577	92.864	42.048	25.648	19.928	15.000		14.105
30	38.455	105.128	124.352	314.154	101.391	88.831	33.167	26.229	19.044	16.808		15.416
31		99.282		257.664	74.175		45.230		17.975	16.228		23.469

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M),
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)

R-Murugan

Average Inflow (CuM/Sec) of Panyor Lower Hydro Power Station (PLHPS) for the year 2021-22

Date	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	22.210	20.194	61.069	64.675	143.934	212.634	51.462	31.235	23.731	18.929	16.611	22.073
2	20.761	19.961	91.722	47.443	212.210	152.752	50.633	32.023	25.062	14.756	22.008	24.773
3	15.383	18.722	69.489	66.336	66.054	130.797	61.110	31.080	21.644	17.485	16.713	21.430
4	14.977	18.328	80.178	73.058	68.569	110.503	51.478	31.389	24.670	20.099	14.050	16.606
5	14.626	20.272	306.857	55.343	63.384	98.529	54.680	27.515	22.128	19.437	35.825	19.571
6	15.522	48.419	198.139	56.814	57.656	90.602	57.494	32.920	21.679	19.976	60.259	20.379
7	13.798	32.777	151.869	62.161	58.680	174.273	50.633	29.653	21.821	17.283	31.445	20.570
8	14.278	41.962	293.447	140.092	84.560	152.969	47.570	25.366	22.214	15.384	26.083	21.141
9	23.122	41.145	165.521	98.910	70.985	128.921	45.098	24.833	22.033	19.881	25.394	22.730
10	21.170	30.669	106.801	88.494	66.067	118.058	46.100	26.796	20.566	18.171	20.599	21.543
11	15.895	81.161	87.846	74.061	77.015	106.727	38.158	26.880	22.267	15.172	25.071	23.041
12	14.355	63.998	77.262	84.746	99.311	107.981	36.516	26.174	22.606	19.071	24.554	30.555
13	13.933	58.772	97.447	80.647	87.974	89.024	36.698	26.026	19.934	26.158	18.981	26.264
14	54.735	67.869	93.079	85.480	247.814	83.296	36.406	25.085	18.762	18.300	17.558	29.770
15	32.684	55.316	67.910	96.089	138.322	75.378	36.302	25.828	21.420	18.075	18.280	24.944
16	19.683	70.661	62.374	90.969	92.053	89.180	36.857	24.413	19.838	16.716	17.561	27.359
17	38.269	56.204	59.223	112.577	76.482	95.828	36.335	23.143	22.153	14.778	18.837	21.588
18	28.481	59.636	77.439	106.838	83.024	123.346	52.182	25.571	21.816	17.530	17.311	20.499
19	29.555	111.627	64.283	127.777	102.268	86.672	59.678	23.491	19.788	15.100	17.311	21.339
20	23.101	178.540	72.343	169.659	87.669	75.902	145.875	22.660	19.208	14.485	17.160	22.150
21	48.915	94.577	69.313	120.364	83.536	68.961	95.522	24.112	22.012	15.899	20.788	24.820
22	26.583	109.797	74.422	98.594	75.532	66.992	54.125	24.662	19.502	14.506	22.465	19.130
23	18.666	54.747	65.175	80.092	80.063	68.313	49.262	37.440	20.547	16.575	20.242	18.568
24	16.639	43.658	61.542	74.457	84.462	65.696	42.779	29.304	20.010	18.572	17.806	25.969
25	14.560	51.489	60.678	72.356	94.847	62.065	40.562	29.861	18.467	18.097	16.387	26.364
26	15.778	62.082	60.299	65.198	180.429	60.776	40.702	24.448	20.385	19.943	17.645	49.316
27	34.116	282.290	52.191	93.150	279.907	61.928	39.203	24.082	18.578	16.871	18.898	48.943
28	21.078	94.816	50.376	63.680	253.458	67.439	37.713	21.153	21.270	16.961	19.992	28.167
29	29.211	60.182	49.569	70.619	177.411	55.821	34.580	25.361	18.964	17.604		22.214
30	20.115	48.977	57.259	79.380	140.217	58.923	37.223	23.814	17.308	18.991		27.965
31		62.207		73.363	155.995		31.639		20.258	15.829		111.895

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/oThe EXECUTIVE DIRECTOR(O&M)

R. Bhagat

2008

Average Inflow (CuM/Sec) of Panyor Lower Hydro Power Station (PLHPS) for the year 2022-23

Date	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
1	156.251	79.170	53.513	168.630	175.689	78.903	52.476	80.526	30.880	22.731	16.880	27.516
2	123.826	64.019	56.503	148.923	104.914	56.089	45.150	69.437	31.575	23.499	14.891	22.423
3	93.680	56.376	51.261	110.620	109.785	81.584	34.160	65.301	30.950	21.554	17.215	20.157
4	117.724	75.695	56.632	99.957	94.844	160.408	46.157	64.166	29.836	18.642	16.371	17.441
5	145.589	57.406	64.335	91.510	93.009	174.899	70.450	66.203	30.763	19.666	17.078	18.563
6	173.175	41.221	50.763	79.870	73.483	122.355	122.474	56.043	30.352	18.965	17.526	21.214
7	93.180	38.060	44.011	74.483	73.980	99.438	103.392	56.584	29.800	18.981	17.197	34.364
8	148.912	42.654	43.763	71.516	95.602	98.209	107.335	62.219	28.902	18.626	20.921	24.886
9	100.346	45.101	75.456	63.901	70.520	86.256	126.280	58.744	28.945	18.800	23.714	21.482
10	71.224	31.531	70.841	63.534	72.331	77.811	152.572	50.556	29.101	19.518	22.037	18.375
11	87.790	42.638	79.278	71.118	69.835	72.314	133.378	51.128	28.701	19.279	19.683	20.074
12	46.545	81.441	195.870	76.305	55.380	61.283	174.357	48.829	26.006	19.366	20.316	16.869
13	45.212	74.266	89.663	70.760	58.882	67.740	98.362	48.518	25.675	18.444	21.510	20.802
14	132.611	113.356	77.448	61.678	51.778	67.316	88.702	45.109	26.536	23.221	23.088	19.008
15	90.428	144.101	154.484	64.407	60.183	63.839	77.230	44.361	24.845	26.884	18.391	18.759
16	55.092	200.205	263.589	56.281	63.813	59.542	64.658	40.582	23.761	21.733	18.197	22.734
17	45.452	213.665	298.653	50.482	58.573	58.552	65.373	44.552	25.971	20.149	17.667	21.022
18	42.150	170.551	291.328	47.192	63.017	55.117	59.667	41.435	23.716	19.864	19.787	20.825
19	37.213	137.183	208.087	48.418	84.298	53.829	63.012	41.973	26.895	20.789	17.786	23.712
20	37.787	134.096	191.535	120.052	58.575	49.512	49.718	39.070	21.677	17.959	16.945	31.722
21	29.886	149.920	145.709	89.272	54.120	46.906	48.610	38.208	23.244	18.444	18.358	47.407
22	28.581	151.625	122.062	76.749	55.515	48.054	44.994	37.872	20.948	18.894	24.294	70.681
23	40.877	128.961	114.481	65.071	64.838	90.618	44.437	36.119	24.656	21.505	36.315	69.998
24	96.650	91.991	106.560	84.718	57.085	84.467	44.293	37.169	24.850	19.280	34.135	40.555
25	49.601	82.619	79.763	81.109	67.086	158.232	363.151	33.060	25.573	20.810	26.193	43.436
26	37.156	77.882	98.971	94.349	54.479	78.658	289.383	35.460	22.228	16.860	25.223	38.310
27	34.749	67.198	79.390	77.799	47.978	64.862	185.210	34.073	23.656	22.507	22.944	32.599
28	68.373	63.396	140.193	75.006	57.002	61.402	127.332	33.404	29.769	20.182	26.163	27.715
29	37.526	67.196	177.836	64.351	107.262	54.688	110.234	32.205	28.784	18.434		34.271
30	78.450	60.772	180.666	63.354	75.350	53.710	90.792	33.060	25.321	18.777		37.251
31		56.965		128.671	61.779		77.537		26.801	17.992		41.571

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)

R.Murugan

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Average Inflow (CuM/Sec) of Panyor Lower Hydro Power Station (PLHPS) for the year 2023-24

Date	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	26.734	43.751	23.655	68.915	110.681	104.296	54.635	33.580	22.315	17.816	19.370	20.222
2	37.405	66.109	20.816	60.538	88.246	91.869	47.590	32.222	22.160	18.500	20.338	23.178
3	42.619	40.905	25.319	123.945	112.378	86.982	56.154	32.303	22.008	18.286	25.059	19.157
4	47.610	38.051	23.768	89.407	100.237	77.269	80.648	31.692	22.504	18.474	18.977	30.733
5	100.064	39.082	27.572	68.295	98.113	72.603	93.974	34.305	22.815	19.895	17.101	36.301
6	41.451	44.156	26.194	63.376	144.687	71.591	89.846	33.900	23.440	17.011	22.400	27.840
7	46.911	46.952	22.311	99.453	106.397	66.627	77.124	34.635	22.418	16.749	25.091	22.217
8	30.848	50.517	20.544	105.487	127.330	65.467	125.481	29.837	22.850	18.184	25.724	21.267
9	26.347	40.544	21.844	108.300	112.345	63.318	127.921	29.695	26.908	18.001	23.490	13.689
10	24.564	30.110	25.811	78.864	109.059	62.844	110.465	31.497	22.574	16.350	19.146	18.393
11	23.189	26.385	121.377	85.859	111.215	62.348	85.572	29.783	26.288	16.782	18.410	18.277
12	20.352	23.418	81.275	178.143	95.530	54.547	68.850	28.683	24.328	16.747	17.453	18.045
13	20.514	22.746	119.532	196.400	209.044	57.725	65.379	30.239	22.185	16.224	18.051	22.158
14	20.668	19.608	92.714	109.156	110.207	51.377	60.906	21.933	22.527	16.436	14.968	50.545
15	19.168	19.786	139.820	77.197	95.446	47.034	61.061	27.150	22.016	15.213	17.068	40.249
16	18.735	21.052	281.540	90.146	87.602	46.238	58.389	28.633	21.641	15.057	16.489	23.656
17	19.551	29.274	186.906	268.794	94.166	48.746	51.289	27.249	22.348	17.348	16.489	22.166
18	37.437	53.659	129.965	129.895	78.762	49.038	47.365	28.000	22.086	16.570	18.355	23.722
19	24.750	55.562	115.691	110.806	72.816	48.104	47.040	24.414	20.085	18.614	17.733	18.977
20	67.790	51.148	124.489	82.017	66.947	61.759	49.986	26.568	22.145	18.232	16.800	16.800
21	86.351	51.436	289.106	75.317	72.525	117.882	44.398	25.779	19.732	15.835	18.044	30.811
22	49.751	55.777	186.584	69.455	254.325	96.936	41.833	24.881	20.000	17.991	19.677	101.150
23	33.980	40.534	161.693	80.735	139.889	81.213	43.212	25.978	19.696	17.348	32.744	55.036
24	29.738	34.986	106.797	67.208	126.325	107.072	39.796	22.220	19.399	15.312	21.477	41.630
25	24.274	46.138	90.490	88.338	127.097	65.325	38.027	26.327	18.304	16.925	18.666	34.082
26	18.155	49.444	89.409	98.479	128.721	67.885	36.648	25.600	19.152	13.679	17.111	55.609
27	25.631	60.267	86.926	102.974	177.324	65.000	36.005	25.140	19.619	15.538	18.044	62.651
28	21.412	44.708	84.503	125.628	241.431	56.293	39.647	24.235	18.093	17.525	16.877	33.028
29	40.703	32.709	77.842	226.654	163.978	46.871	36.004	22.560	19.894	16.436	20.455	28.525
30	83.133	25.878	51.200	134.406	131.231	47.279	34.816	23.072	19.698	15.291		36.205
31		25.022		121.995	114.796		34.174		16.391	15.866		28.341

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मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/oThe EXECUTIVE DIRECTOR(O&M)

24/05/2024
R. Bhuyan
Sr. Manager (E/M)

Average Inflow (CuM/Sec) of Kameng Hydro Power Station (KaHPS) for the year 2021-22

Date	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	0.000	33.710	67.040	289.500	436.560	434.760	130.380	78.950	58.360	43.130	36.610	36.160
2	18.860	33.710	62.030	430.740	408.690	500.690	119.370	79.230	59.100	42.600	36.610	38.500
3	14.660	33.710	67.200	317.560	271.650	322.180	133.060	87.710	58.860	41.590	36.260	36.640
4	10.100	39.130	56.570	247.560	191.160	273.960	127.010	66.930	57.650	42.610	36.630	38.400
5	10.050	65.860	66.870	281.310	167.990	315.420	320.880	69.040	56.150	41.260	45.130	38.610
6	18.580	77.300	92.280	301.440	149.910	452.090	211.250	83.690	56.470	40.600	41.850	36.730
7	18.170	60.860	132.790	444.390	140.720	371.750	186.740	73.830	54.130	39.980	40.740	44.930
8	0.000	66.350	200.520	581.320	197.940	322.980	169.720	69.390	52.940	40.230	37.940	46.190
9	0.000	75.400	117.280	357.360	212.030	561.070	129.120	68.130	52.410	40.110	37.130	49.300
10	30.790	58.090	111.880	580.870	214.430	476.300	120.930	66.670	51.230	40.180	36.780	48.000
11	31.120	71.900	87.050	460.080	257.460	355.480	103.920	66.660	51.610	39.930	36.590	53.390
12	29.970	79.940	96.590	488.050	261.790	305.980	100.700	66.290	52.070	39.470	36.590	51.910
13	31.330	85.610	154.690	383.560	232.860	281.770	100.140	66.490	51.380	41.020	36.010	48.890
14	28.850	74.530	103.750	365.750	265.660	237.820	101.480	64.660	50.500	40.850	36.510	49.640
15	32.090	56.090	104.950	474.000	414.370	272.870	99.210	65.120	49.960	40.050	36.030	55.470
16	32.500	50.580	112.210	490.100	513.260	253.140	99.390	65.260	50.180	39.200	36.140	49.440
17	32.500	51.920	128.820	572.300	501.650	265.900	129.230	63.450	38.490	37.820	35.620	46.060
18	35.160	65.020	169.050	445.110	501.170	348.690	138.710	62.550	28.790	38.220	35.430	51.820
19	40.270	56.920	181.710	438.140	624.400	231.710	298.110	61.790	23.630	37.640	36.430	57.000
20	34.570	51.930	160.950	476.840	779.110	193.700	354.330	61.060	41.420	36.620	35.030	52.990
21	0.000	45.130	155.440	387.000	552.700	180.810	263.660	60.270	44.700	37.200	36.220	52.330
22	31.850	50.930	128.280	324.390	418.520	181.230	210.240	61.490	44.200	38.400	34.940	52.270
23	30.630	40.690	181.060	316.440	375.320	203.490	185.150	65.300	45.020	38.640	34.980	48.510
24	30.630	39.480	118.930	314.370	349.150	228.600	134.500	69.550	41.720	38.010	34.300	51.450
25	31.960	49.480	110.480	292.950	630.950	221.210	128.470	70.960	43.460	36.930	34.020	45.930
26	28.650	52.090	117.480	403.480	618.690	182.900	127.370	69.510	43.090	37.040	35.180	41.680
27	29.150	590.900	115.670	394.100	927.590	192.210	124.120	66.240	42.690	36.770	35.000	42.240
28	30.250	168.880	150.360	333.710	618.980	239.850	123.090	62.130	42.950	36.760	35.970	43.830
29	35.600	73.170	216.560	402.160	433.870	202.510	90.080	58.800	43.150	36.750		52.300
30	32.380	67.900	319.870	393.000	446.030	189.620	96.640	56.790	46.840	36.180		51.290
31		64.920		351.110	427.320		97.210		46.100	35.760		51.110

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मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)

R. Bhuyan

Average Inflow (CuM/Sec) of Kameng Hydro Power Station (KaHPS) for the year 2022-23

Date	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
1	55.310	120.990	136.020	480.140	525.560	214.450	130.700	92.800	59.120	46.060	41.450	36.930
2	60.980	54.450	89.340	310.380	486.460	221.940	122.460	89.420	58.940	45.830	39.410	35.760
3	60.160	50.790	108.430	219.570	481.410	168.210	114.340	96.950	58.240	45.140	39.000	34.920
4	65.920	108.490	152.600	166.920	371.520	170.800	116.750	92.690	57.530	44.940	39.000	36.240
5	57.490	82.420	160.300	164.460	352.100	173.950	184.270	89.950	57.370	44.940	38.590	35.190
6	46.850	51.580	123.060	151.890	432.890	193.290	165.920	87.720	56.270	44.600	37.750	35.610
7	176.620	58.640	189.830	119.020	322.590	365.750	137.920	76.420	55.960	43.260	38.180	38.660
8	187.060	69.560	226.070	130.920	304.010	422.160	129.470	74.440	56.390	43.600	41.980	37.970
9	101.420	50.550	216.130	152.370	237.870	272.810	123.840	82.840	55.480	42.950	38.580	38.410
10	92.200	50.830	176.940	141.240	269.030	189.800	140.180	80.130	54.920	42.060	39.680	36.750
11	171.530	51.700	256.930	136.720	235.140	168.380	128.280	79.250	54.920	42.470	39.620	36.530
12	173.570	54.010	181.270	144.580	167.740	164.210	123.700	77.610	54.210	41.860	42.830	36.330
13	156.560	59.510	168.010	152.750	156.100	168.670	127.630	67.470	53.460	42.160	41.240	37.560
14	138.960	78.600	232.020	169.680	201.130	164.740	110.870	75.390	53.060	33.450	39.010	35.720
15	144.300	56.020	246.140	135.600	283.400	160.550	104.710	73.540	52.260	34.420	38.700	36.300
16	80.950	106.490	263.730	115.790	201.590	204.500	96.940	71.810	52.470	41.960	36.660	38.400
17	85.830	108.370	253.000	105.440	177.860	223.660	92.160	71.810	52.050	42.330	38.530	35.310
18	104.550	85.620	212.920	102.290	181.280	160.760	89.450	71.450	50.670	41.270	37.200	37.510
19	93.130	63.950	117.360	129.420	188.920	140.420	84.330	69.180	50.820	40.810	38.720	49.170
20	107.680	120.290	218.470	342.150	198.940	124.160	72.910	67.800	50.670	40.650	37.940	47.000
21	82.570	218.920	390.790	252.020	155.390	126.220	70.750	66.630	50.150	40.440	37.200	69.780
22	111.350	177.200	279.670	432.940	140.880	129.180	78.760	66.630	50.130	40.460	42.840	70.720
23	117.870	121.040	229.860	237.570	143.180	125.280	76.440	64.970	49.470	40.210	42.560	59.990
24	125.390	88.870	357.520	243.860	132.020	156.240	83.430	63.950	48.340	40.820	37.530	52.950
25	105.910	76.040	415.310	217.250	130.770	189.630	734.580	63.210	48.730	39.610	38.910	61.120
26	82.020	80.990	301.520	267.280	119.690	157.320	317.740	61.510	48.000	40.440	39.690	56.350
27	78.740	82.670	259.350	428.310	154.990	143.390	161.340	62.080	47.730	39.930	36.870	45.620
28	80.630	92.820	384.620	349.820	149.950	162.990	140.070	60.280	48.680	40.160	37.350	42.020
29	93.490	80.710	495.150	346.390	201.000	255.800	125.510	59.710	48.390	39.240		40.980
30	101.940	70.440	471.870	397.000	196.100	147.880	113.440	58.860	47.130	40.550		40.560
31		90.600		482.980	159.600		109.240		46.480	40.300		40.800

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एवं एम) का कार्यालय
O/o The EXECUTIVE DIRECTOR(O&M)

R. Bhargava

"1012"

Average Inflow (CuM/Sec) of Kameng Hydro Power Station (KaHPS) for the year 2023-24

Date	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	42.040	72.250	43.030	156.250	184.730	266.860	128.320	64.130	45.500	36.440	33.470	38.010
2	45.460	63.170	42.450	185.860	170.440	250.960	134.290	63.520	45.710	36.450	32.450	39.650
3	43.720	50.890	42.600	168.010	285.910	210.250	115.230	63.300	44.920	36.510	32.440	36.360
4	43.260	47.970	41.600	196.890	432.560	188.070	133.930	62.820	44.360	36.650	32.690	37.610
5	48.270	51.030	41.430	185.230	363.640	185.410	141.740	62.280	43.840	36.520	32.550	39.930
6	44.900	47.780	42.620	160.400	256.980	172.220	140.510	61.250	44.130	35.430	32.930	40.100
7	42.940	49.750	43.420	174.810	327.080	173.160	161.990	60.200	42.980	35.730	34.170	41.740
8	42.460	52.970	40.750	213.130	364.360	143.670	135.560	58.660	43.820	35.470	34.450	41.830
9	40.410	47.530	47.850	213.400	301.840	144.990	133.470	57.700	43.040	34.150	33.870	40.810
10	42.060	45.400	57.390	266.290	310.860	149.920	132.640	58.770	43.180	34.770	34.890	41.070
11	45.830	42.180	137.440	272.430	264.100	183.920	113.360	57.030	45.300	34.180	34.390	41.860
12	41.980	40.480	103.890	197.670	255.930	279.090	104.830	56.280	42.580	34.040	32.400	39.080
13	41.110	38.830	116.970	184.850	608.020	197.480	104.140	54.930	42.920	33.780	29.710	35.760
14	42.570	39.070	114.590	218.890	353.800	156.330	98.360	53.770	42.170	33.620	30.450	41.170
15	45.980	38.340	126.870	244.210	372.540	156.510	112.010	52.700	41.110	33.240	29.990	38.140
16	49.210	47.770	106.860	331.110	372.100	155.330	111.700	52.270	40.120	32.510	32.090	33.770
17	49.540	48.550	97.620	373.910	287.540	132.200	94.490	52.520	39.710	33.480	36.180	33.890
18	45.790	60.060	117.940	245.220	318.600	134.100	89.370	52.280	39.400	35.020	36.180	35.740
19	49.870	82.250	122.740	164.530	270.090	121.330	87.120	51.010	37.700	35.060	37.370	34.190
20	56.780	83.600	155.470	163.430	247.410	158.690	84.800	50.320	38.330	33.830	36.030	34.010
21	58.310	54.340	158.530	165.400	299.760	256.910	81.290	49.840	38.320	34.110	33.370	44.660
22	52.210	48.030	158.990	260.630	517.650	205.940	78.380	50.280	38.520	33.610	37.250	108.940
23	46.720	48.220	142.210	219.160	407.550	146.220	76.620	50.430	38.420	33.240	36.500	86.750
24	42.620	45.520	111.480	263.100	377.850	132.350	74.980	48.710	37.020	32.730	34.760	78.190
25	41.420	48.480	82.340	194.120	405.880	133.420	73.350	47.950	38.490	32.650	32.740	66.840
26	45.650	72.830	111.960	211.300	389.120	148.040	71.960	48.130	37.460	33.950	32.000	77.450
27	44.240	85.280	86.390	198.890	385.020	173.420	70.820	47.320	37.310	33.930	32.120	59.000
28	44.390	65.570	85.740	216.510	361.480	139.550	70.880	47.440	36.950	32.840	31.230	54.920
29	57.050	55.050	141.830	269.440	343.730	100.850	69.090	46.260	35.560	32.090	33.460	46.670
30	78.210	47.990	139.490	254.210	307.580	105.270	67.220	45.540	36.270	32.450		46.190
31		44.330		273.560	354.460		66.050		35.620	32.490		48.780

मुख्य महाप्रबंधक (ई/एम)
Chief General Manager(E/M)
कार्यपालक निदेशक (ओ एण्ड एम) का कार्यालय
O/oThe EXECUTIVE DIRECTOR(O&M)

24/05/2024
R. Bhuvan
Sr. M(E/M)

~ 1013 ~

ANNEXURE - III

Customized Rainfall Information System
(CRIS)
Hydromet Division
India Meteorological Department
Ministry Of Earth Sciences
New Delhi-110 003

Choose the State(s) : ARUNACHAL PRADI Select District : WEST KAMENG GO

District : WEST KAMENG

Note : (1) The District Rainfall in millimeters (R/F) shown below are the arithmetic averages of Rainfall of Stations under the District.
(2) % Dep. are the Departures of rainfall from the long period averages of rainfall for the District.
(3) Blank Spaces show non-availability of Data

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		DEC	
	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP
2018	0.0	-100	12.8	-71	35.7	-39	110.1	-18	208.5	-39	353.3	-47	379.7	-49	380.7	-34	215.4	-56	112.2	-52	9.2	-77	16.0	-41
2019	1.5	-94	20.7	-37	36.0	-23	104.6	-21	189.7	-27	190.1	-60	492.4	-7	191.6	-56	250.6	-29	109.6	-38	4.0	-87	2.8	-85
2020	18.6	-23	29.9	-8	16.2	-65	146.1	11	394.6	52	296.9	-38	442.8	-16	325.0	-25	343.2	-3	139.3	-23	15.2	-50	4.2	-78
2021	26.5	10	2.5	-92	25.3	-46	30.4	-77	220.2	-15	248.2	-48	413.2	-22	346.7	-20	225.6	-36	134.0	-26	9.2	-70	9.0	-52
2022	16.1	-20%	41.2	49%	6.5	-86%	104.7	-19%	232.0	-12%	545.0	20%	256.6	-50%	230.3	-45%	235.2	-26%	348.9	113%	0.3	-99%	1.2	-93%

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Customized Rainfall Information System
(CRIS)
Hydromet Division
India Meteorological Department
Ministry Of Earth Sciences
New Delhi-110 003

Choose State/UT: NAGALAND Select District: WOKHA GO

District : WOKHA

Note: (1) The District Rainfall in millimeters (R/F) shown below are the arithmetic averages of Rainfall of 5 stations under the District.
(2) % Dep. are the Departures of rainfall from the long period averages of rainfall for the District.
(3) Blank Boxes show non-availability of Data

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		DEC	
	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP
2018	5.0	-75	1.0	-98	0.0	-100					188.5	-55	600.8	21	334.8	-36	175.0	-37	15.8	-88	6.7	-88	33.8	105
2019	6.0	-66	13.7	-63	30.2	-50	100.1	-26	84.1	-63	59.3	-82	313.5	-27	224.8	-44	293.0	-3	191.9	46	19.0	-4	5.5	-60
2020	24.5	37	22.5	-40	30.9	-49	86.1	-36	145.8	-37	236.3	-29	271.0	-37	83.2	-79	121.1	-60	140.0	7	28.6	44	0.2	-99
2021	2.9	-84	6.7	-82	30.9	-49	30.9	-77	147.2	-36	219.9	-34	311.2	-27	341.2	-16	295.4	-2	83.4	-36	0.0	-100	27.7	101
2022	48.2	199%	38.2	67%	7.3	-85%	231.0	76%	277.0	35%	373.5	25%	307.5	-14%	160.6	-51%	225.3	-14%	145.2	10%	0.0	-100%	7.0	-38%

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Customized Rainfall Information System (CRIS)

Hydromet Division

India Meteorological Department

Ministry Of Earth Sciences

New Delhi-110 003

Choose the States/UTs: NAGALAND ▼ Select District: ZUNHEBOTO ▼ GO

District : ZUNHEBOTO

Note :(1) The District Rainfall in millimeters (R/F) shown below are the arithmatic averages of Rainfall of Stations under the District.

(2) % Dep. are the Departures of rainfal from the long period averages of rainfall for the District.

(3) Blank Spaces show non-availability of Data

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		DEC	
	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP
2018											165.0	-53	447.0	1	220.0	-38	184.0	-24	64.0	-48	0.0	-100	29.0	171
2019	12.0	-49	17.0	-36	26.0	-60	144.0	-19	107.0	-53	393.0	12	232.0	-47	182.0	-48			133.6	9	49.0	18	3.0	-73
2020	31.0	31	21.0	-21	32.0	-51	86.5	-51	188.4	-16	471.7	35	338.0	-23	361.0	2	167.4	-31	254.5	108	54.6	32	0.0	-100
2021	1.0	-96	1.1	-96	1.2	-98	48.5	-73	136.9	-39	308.5	-12	275.8	-38	336.3	-5	124.5	-49	74.4	-39	0.0	-100	36.1	228
2022	46.3	174%	49.2	465%	13.3	-56%	195.2	118%	324.2	85%	328.7	9%	442.4	52%	385.1	43%	301.2	39%	179.9	132%	0.0	-100%	24.3	262%

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(CRIS)
Hydromet Division
India Meteorological Department
Ministry Of Earth Sciences
New Delhi (I) 003

Choose for State/UTs: MIZORAM ▾ Select District: KOLASIB ▾ GO

District : KOLASIB

Note: (1) The District Rainfall in millimeters (R/F) shown below are the arithmetic averages of Rainfall of Stations under the District.
(2) % Dep. are the Departures of rainfall from the long period averages of rainfall for the District.
(3) Blank Spaces show non-availability of Data

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		DEC	
	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP
2018											610.8	40	420.0	-3	579.5	28	128.6	-65	64.0	-71	13.4	-73	7.6	-41
2019	1.0	-88	3.1	-91					424.4	24	395.7	-16	466.0	4	597.5	22	426.5	16	117.4	-44	59.8	83	0.0	-100
2020	49.9	487	3.7	-89	0.1	-99	85.0	-59	259.3	-24	319.7	-32	396.4	-11	343.5	-30	224.6	-39	312.8	48	66.6	104	0.0	-100
2021	5.4	-36	0.0	-100	74.3	-20	61.4	-71	161.5	-53	379.5	-19	459.8	3	465.0	-5	375.2	2	108.2	-49	4.7	-86	106.5	629
2022	17.1	104%	21.3	-29%	10.8	-87%	126.3	-38%	540.4	49%	463.2	9%	675.1	51%	424.6	-14%	285.2	-24%	176.2	-13%	2.5	-92%	13.0	10%

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Customized Rainfall Information System (CRIS)

Hydromet Division

India Meteorological Department
Ministry Of Earth Sciences
New Delhi-110 003

Choose the State/UTs: ARUNACHAL PRADI ▾ Select District: LOWER SUBANSIRI ▾ GO

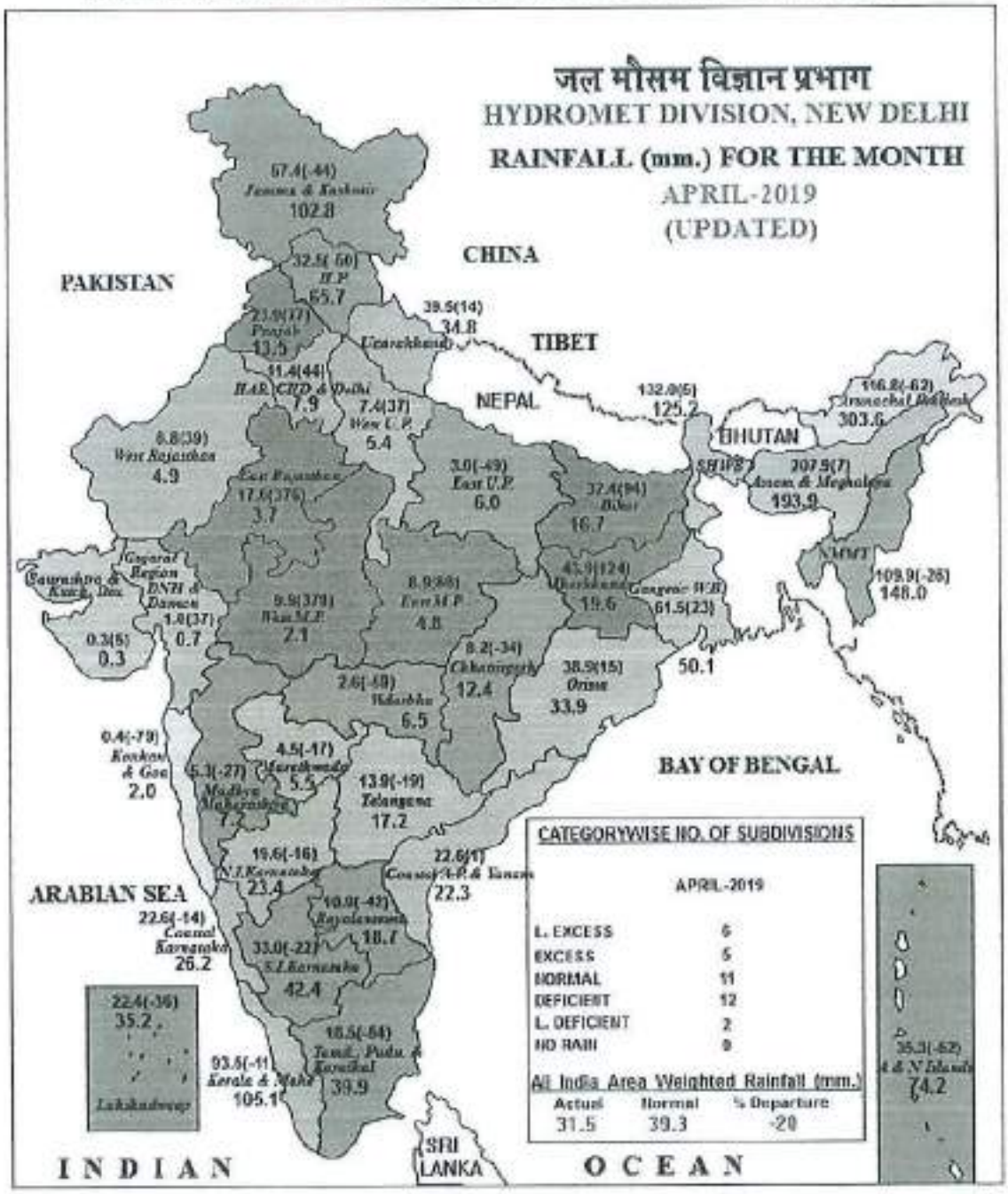
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YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		DEC	
	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP	R/F	%DEP
2018																								
2019							64.9	-60	209.4	6	99.6	-55	313.4	47	144.2	-33	272.0	83	47.3	-29	21.8	-36	14.0	-22
2020	25.2	-63	53.2	-31	47.3	-42	89.8	-44	317.8	61	119.2	-46	210.4	-2	56.2	-74	109.8	-26	59.4	-11	5.2	-85	5.8	-68
2021	31.7	-54	15.1	-80	78.7	-3	121.2	-25	181.5	-8	134.6	-39	111.0	-48	149.2	-31	80.6	-46	25.2	-62	12.7	-63	4.7	-74
2022	7.4	-89%	75.4	-2%	40.9	-48%	170.5	10%	165.9	-17%	170.1	-4%	51.0	-77%	65.4	-69%	46.6	-66%	79.2	21%	1.6	-95%	7.2	-63%

Dated: 2018

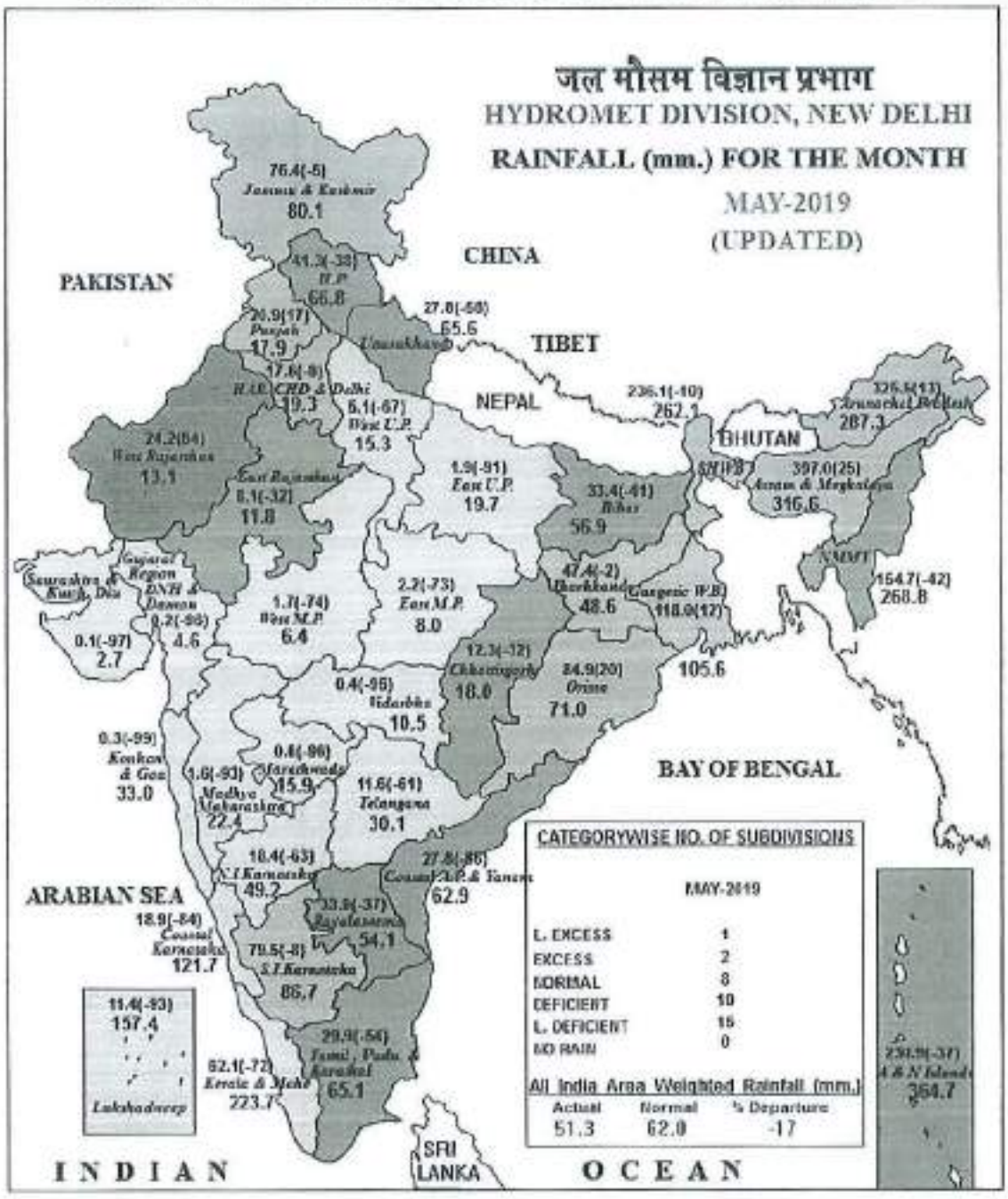
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INDIA METEOROLOGICAL DEPARTMENT



LEGEND: L. EXCESS (+60% OR MORE) EXCESS (+20% TO +59%) NORMAL (+19% TO -19%)
DEFICIENT (-20% TO -59%) L. DEFICIENT (-60% TO -99%) NO RAIN (-100%) NO DATA

NOTES:
(a) Rainfall figures are based on operational data.
(b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
Percentage Departures of Rainfall are shown in Brackets.

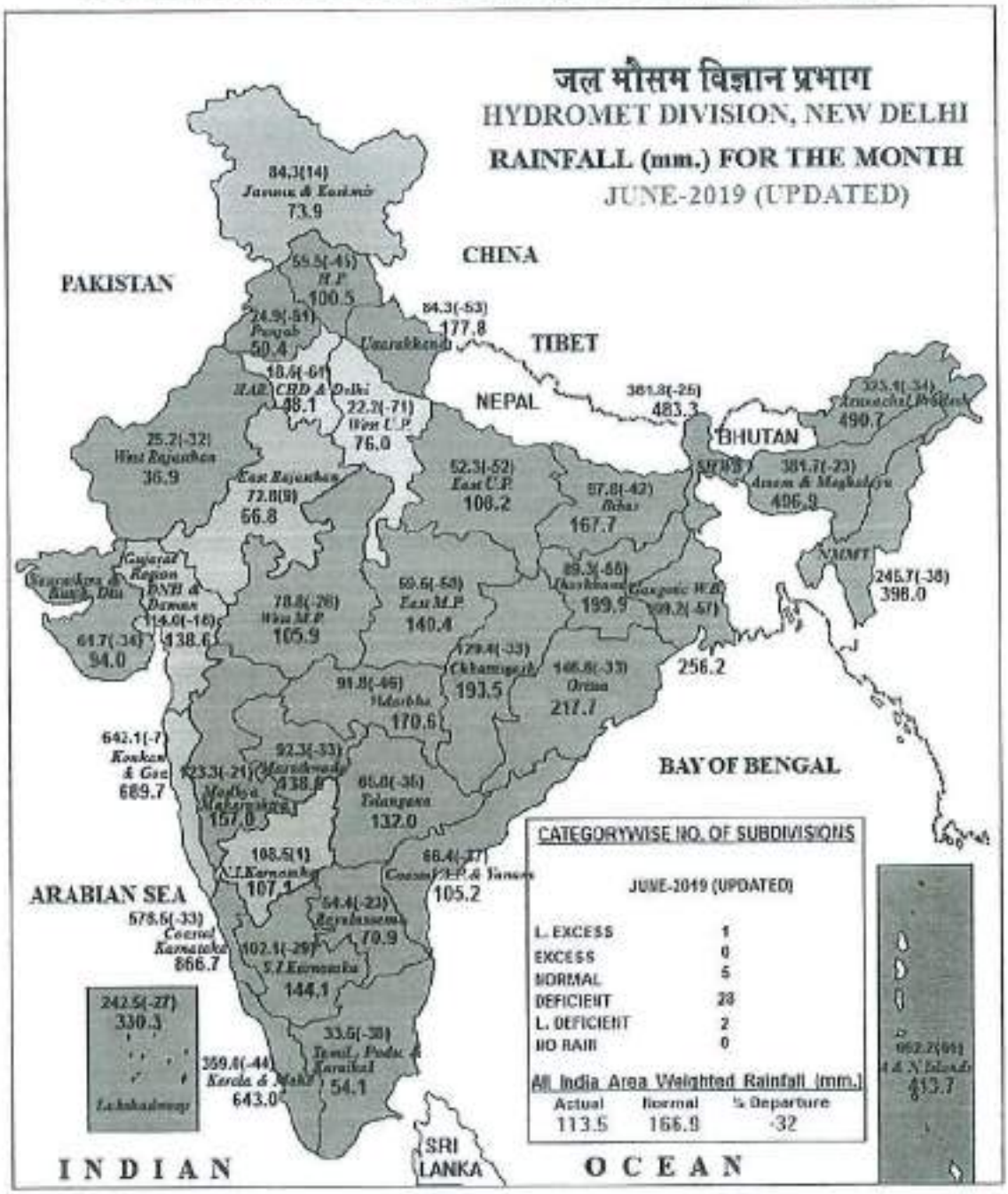
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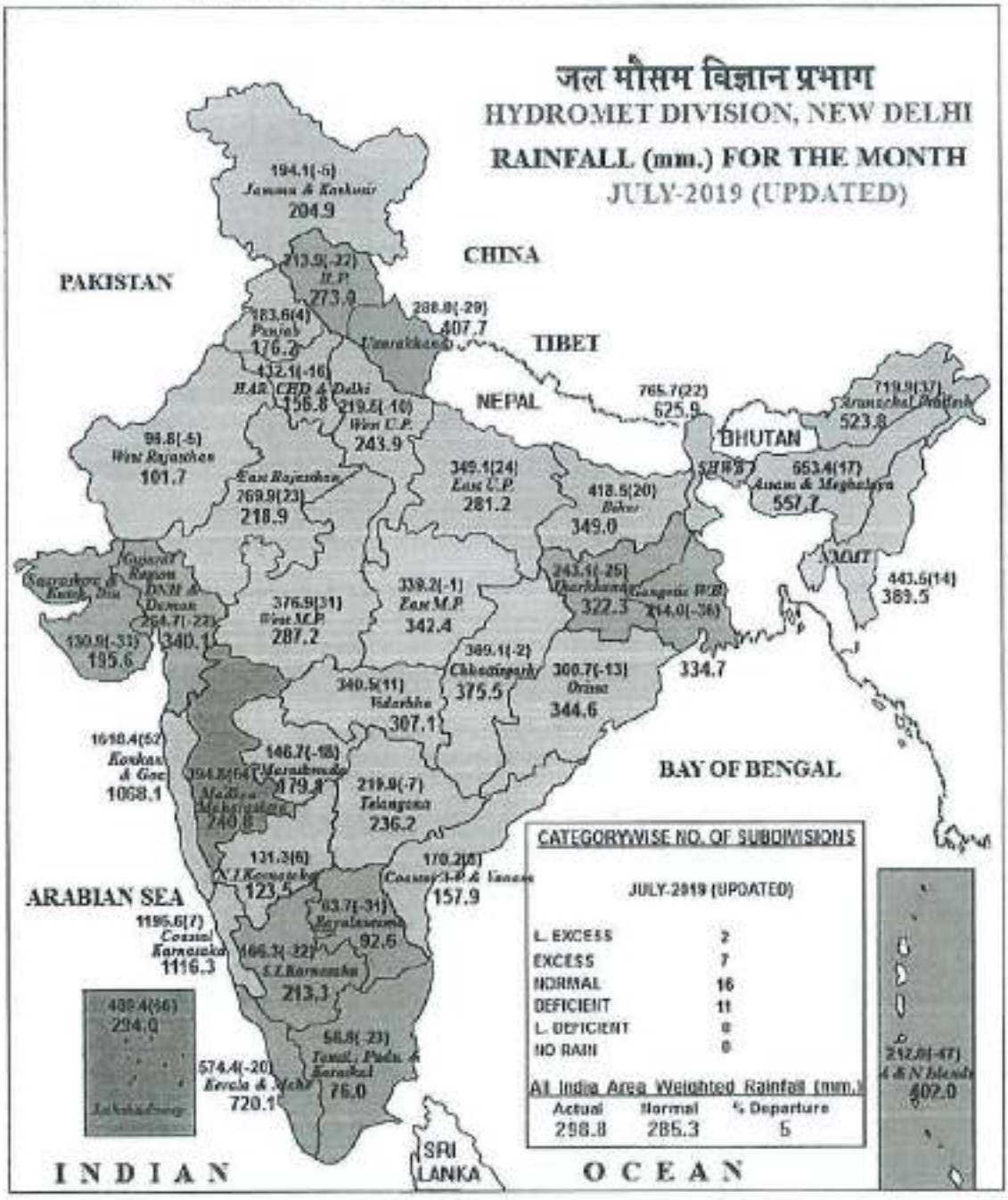
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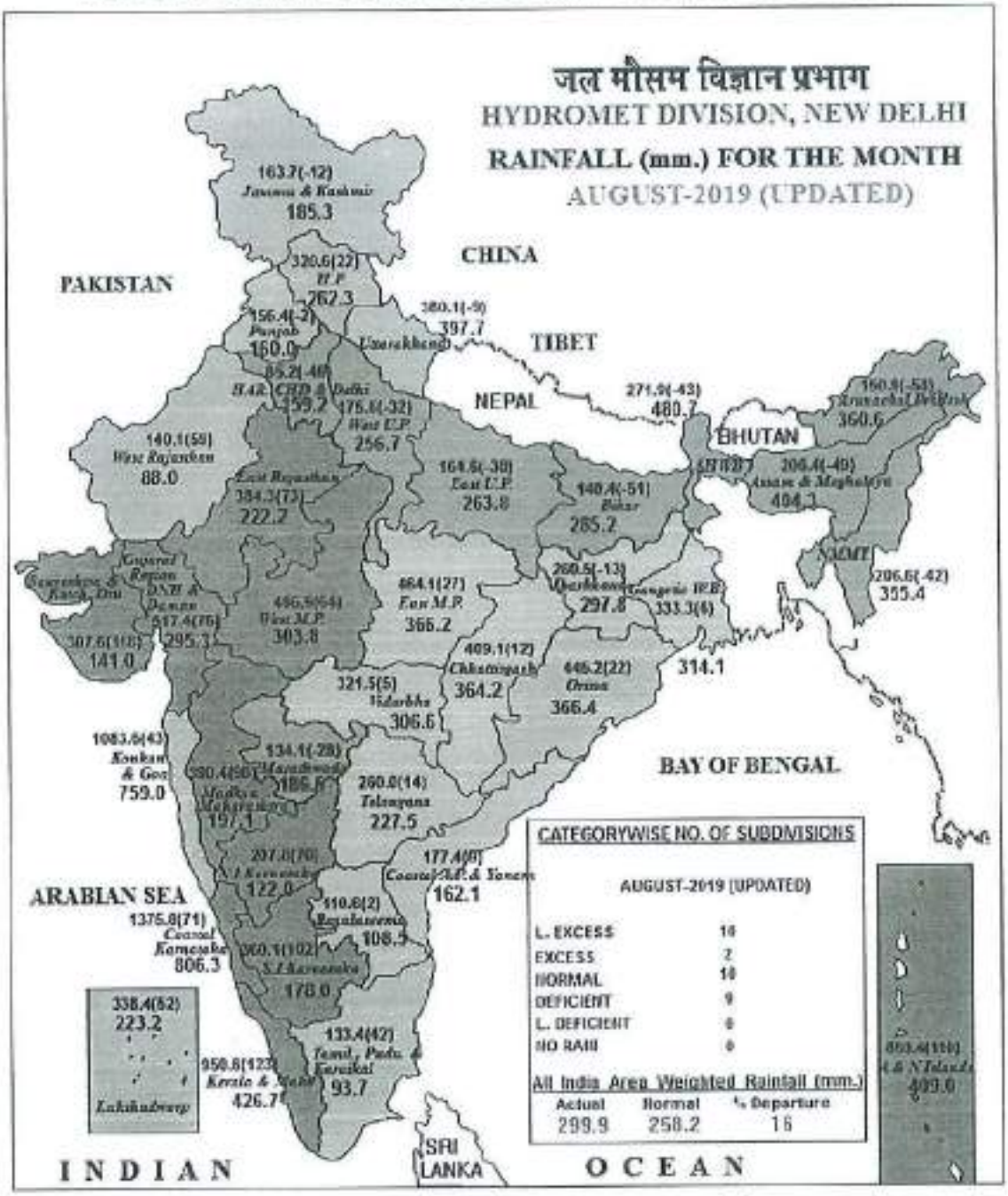
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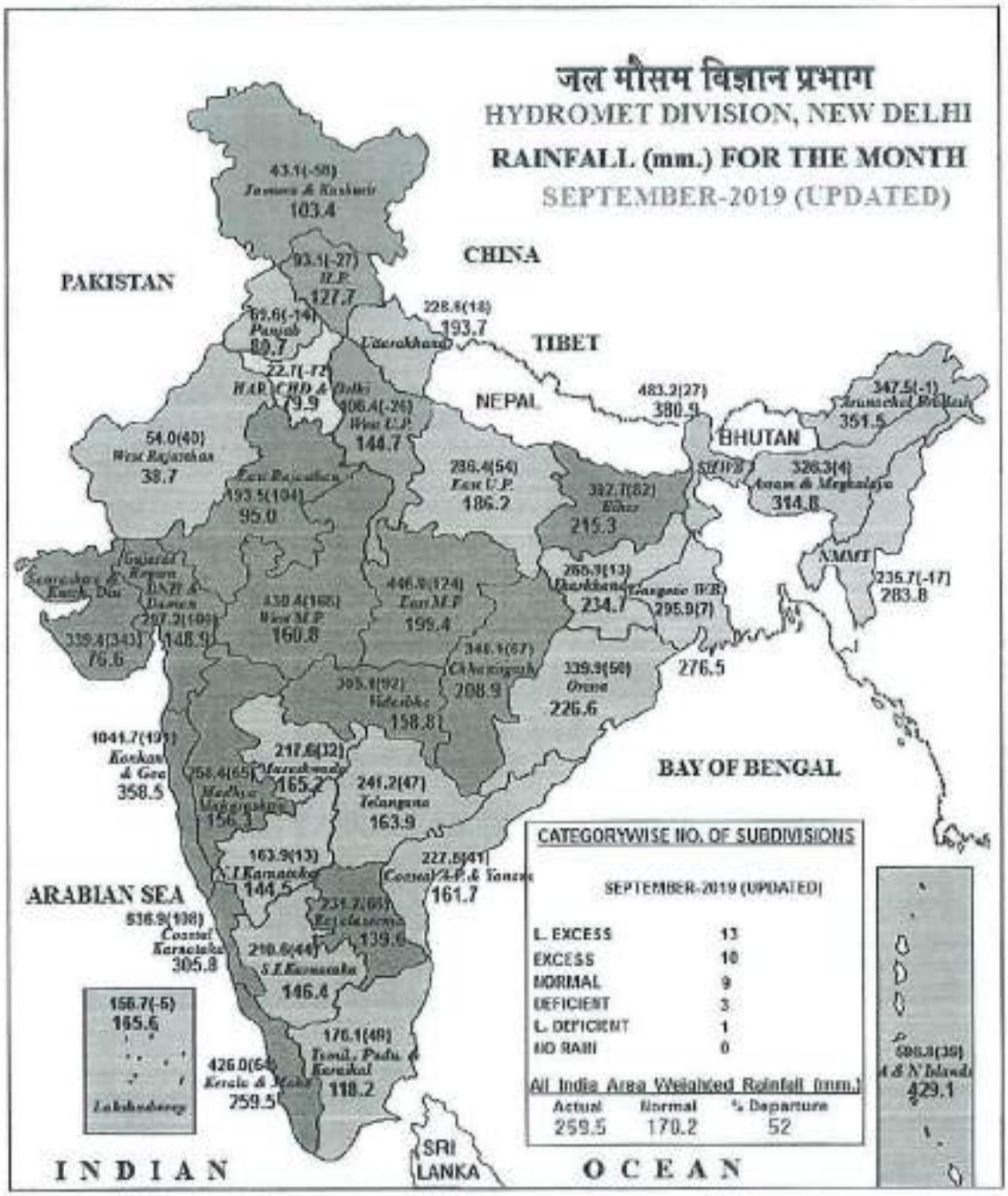
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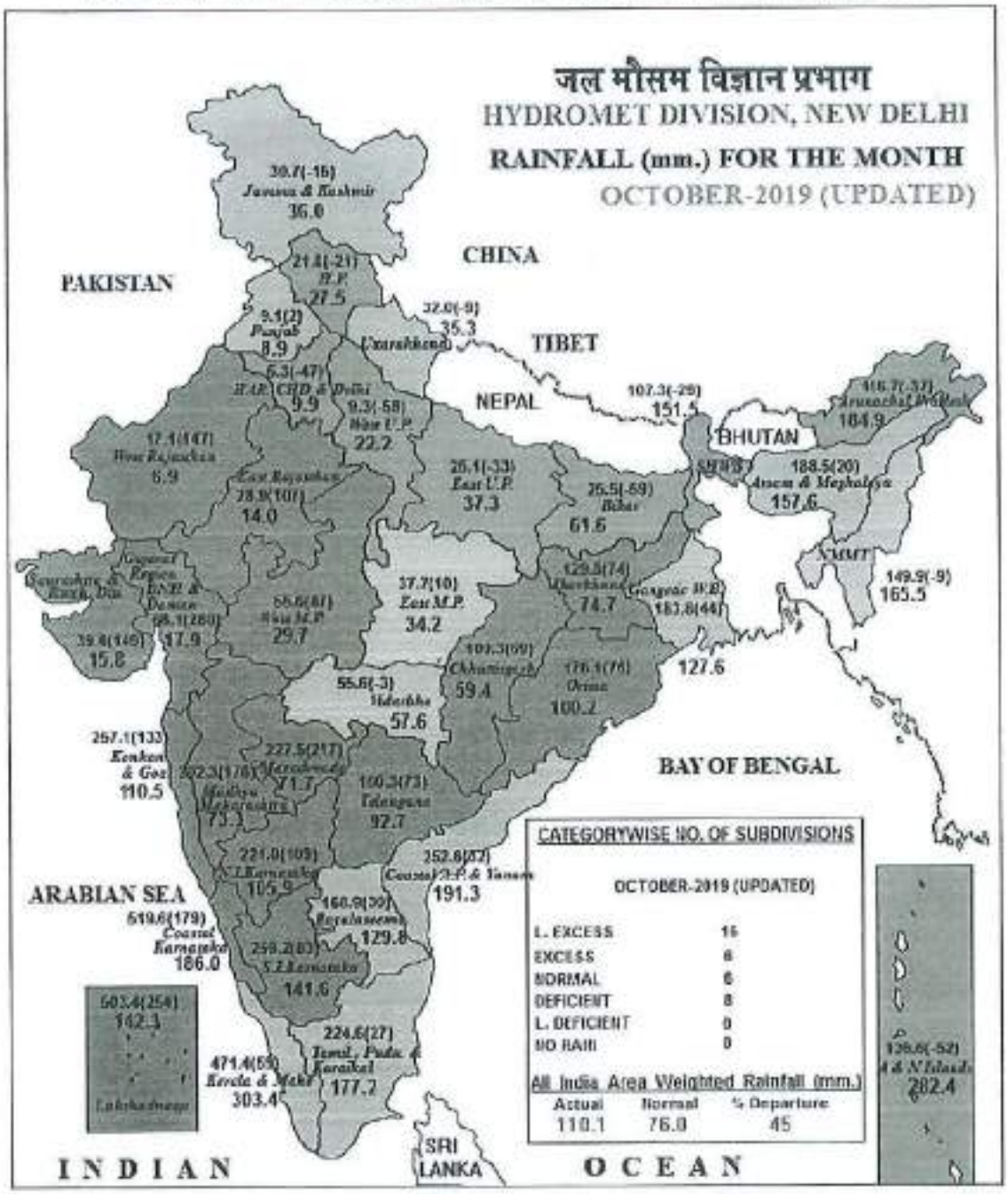
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INDIA METEOROLOGICAL DEPARTMENT



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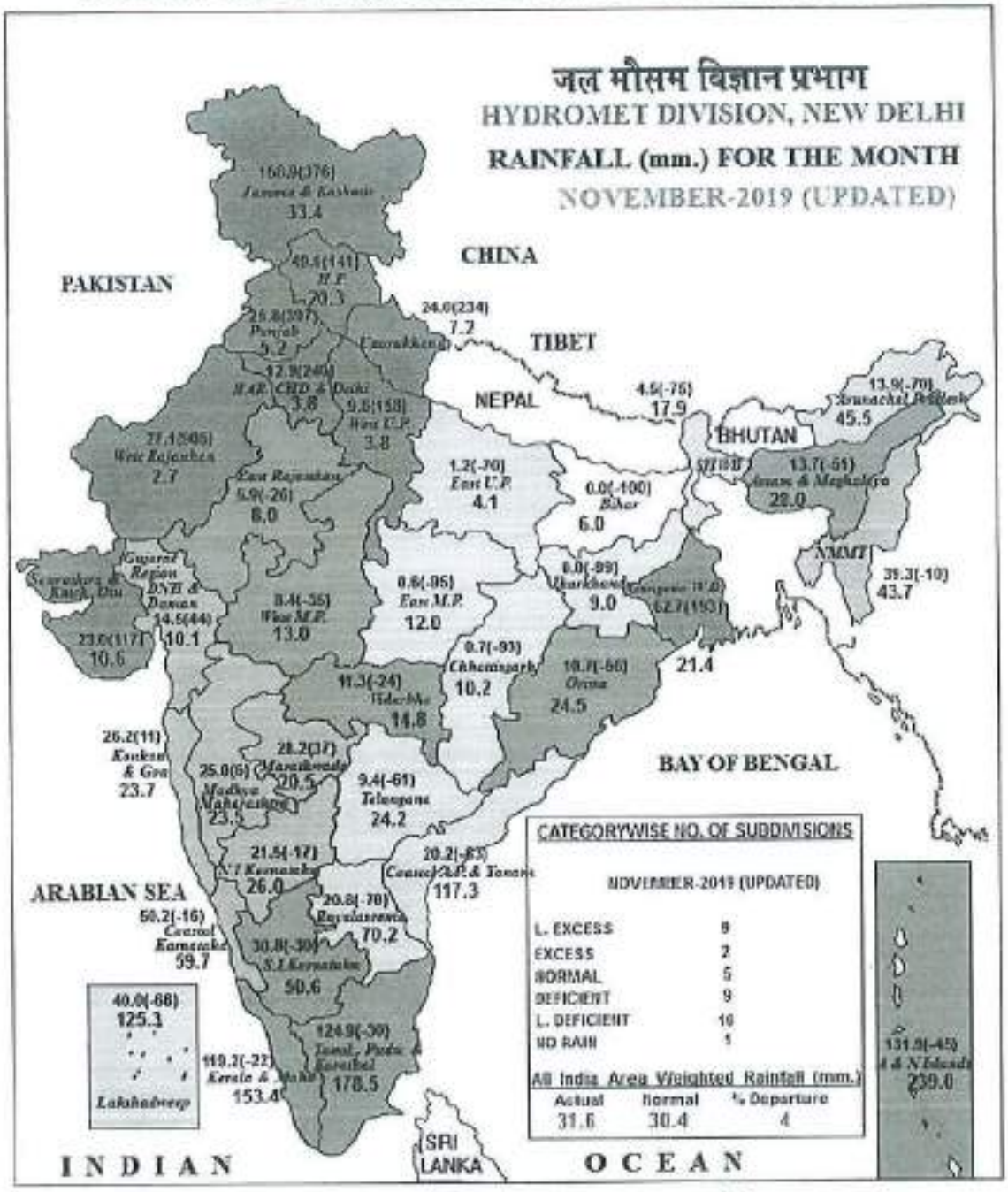
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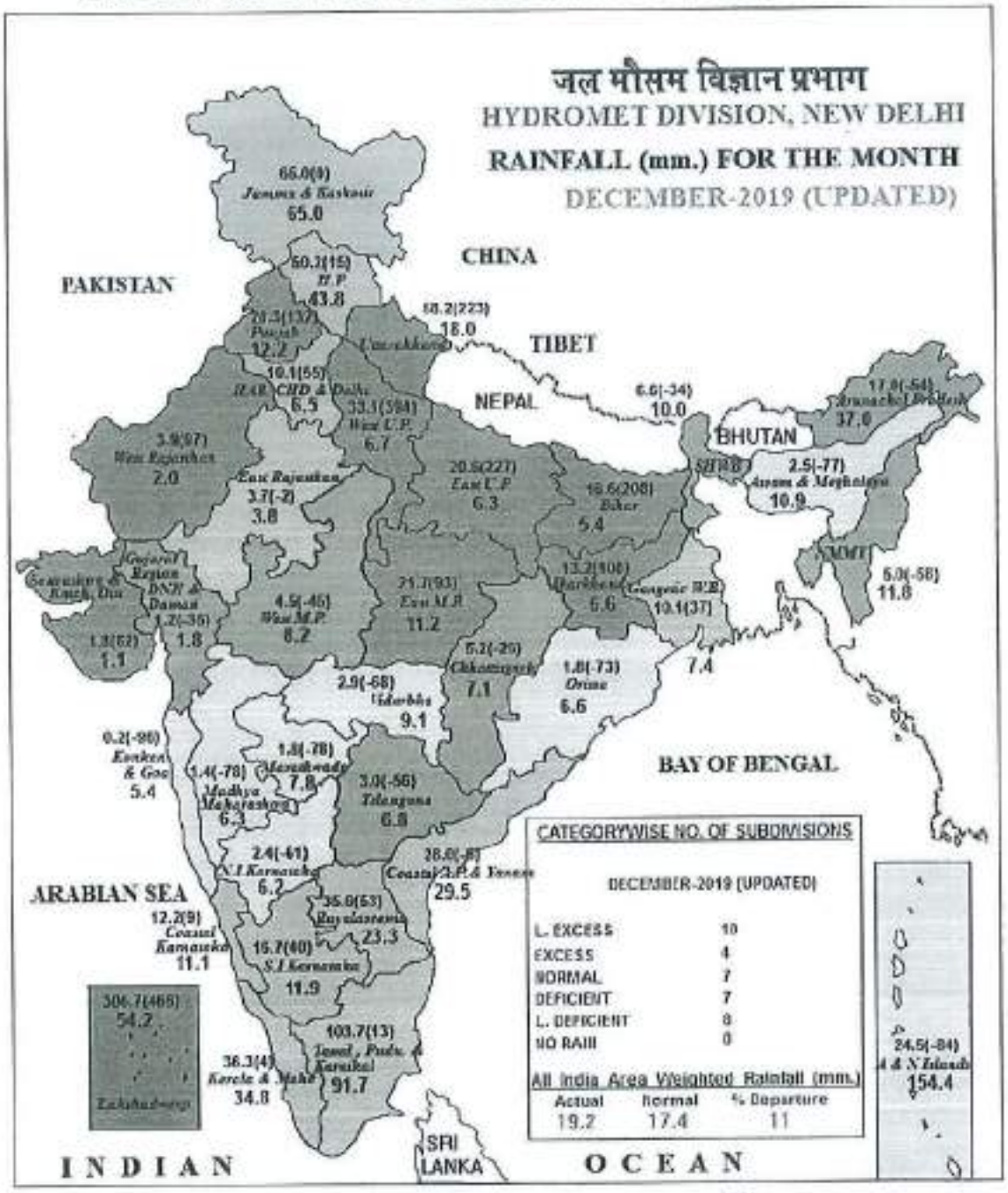
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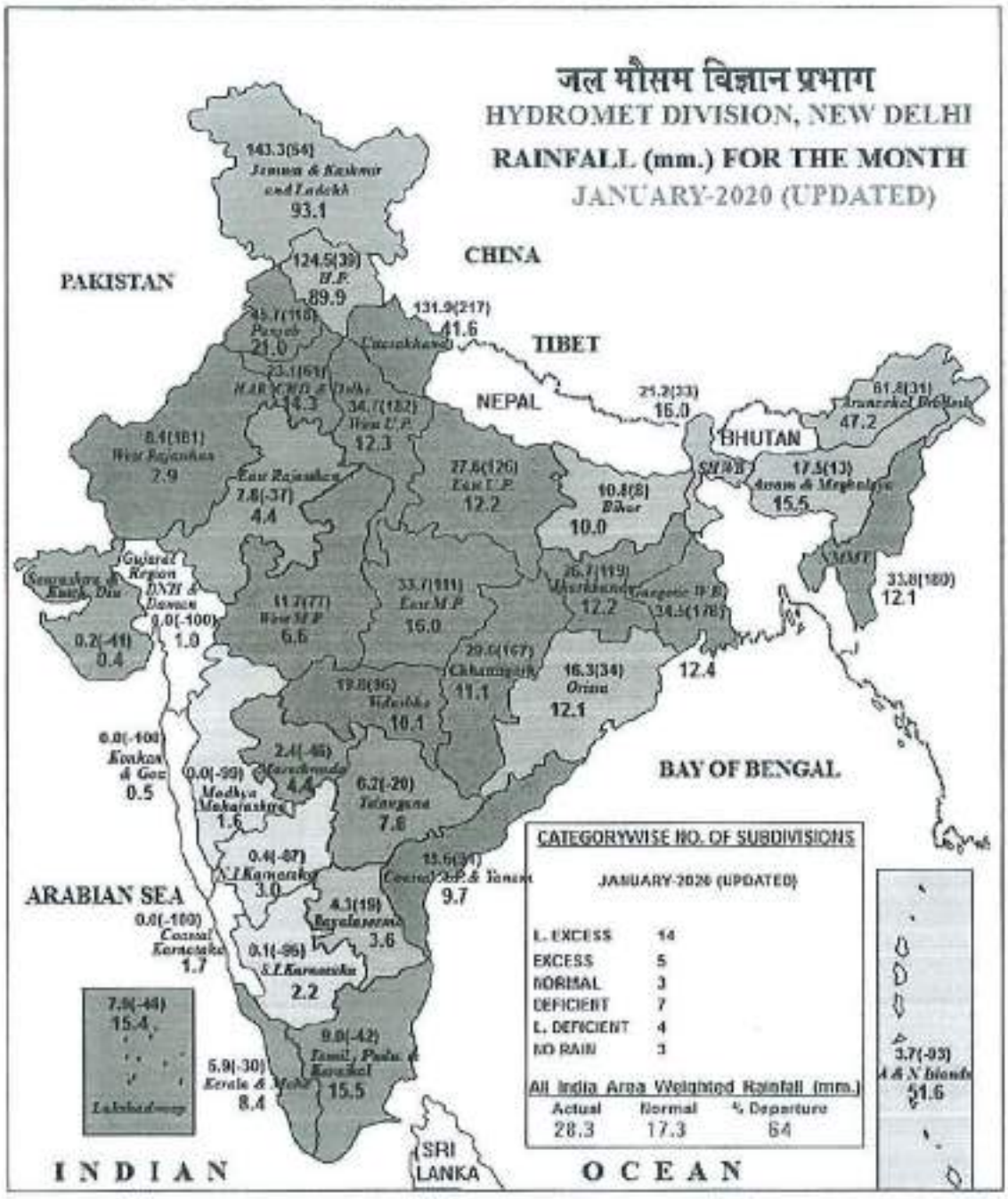
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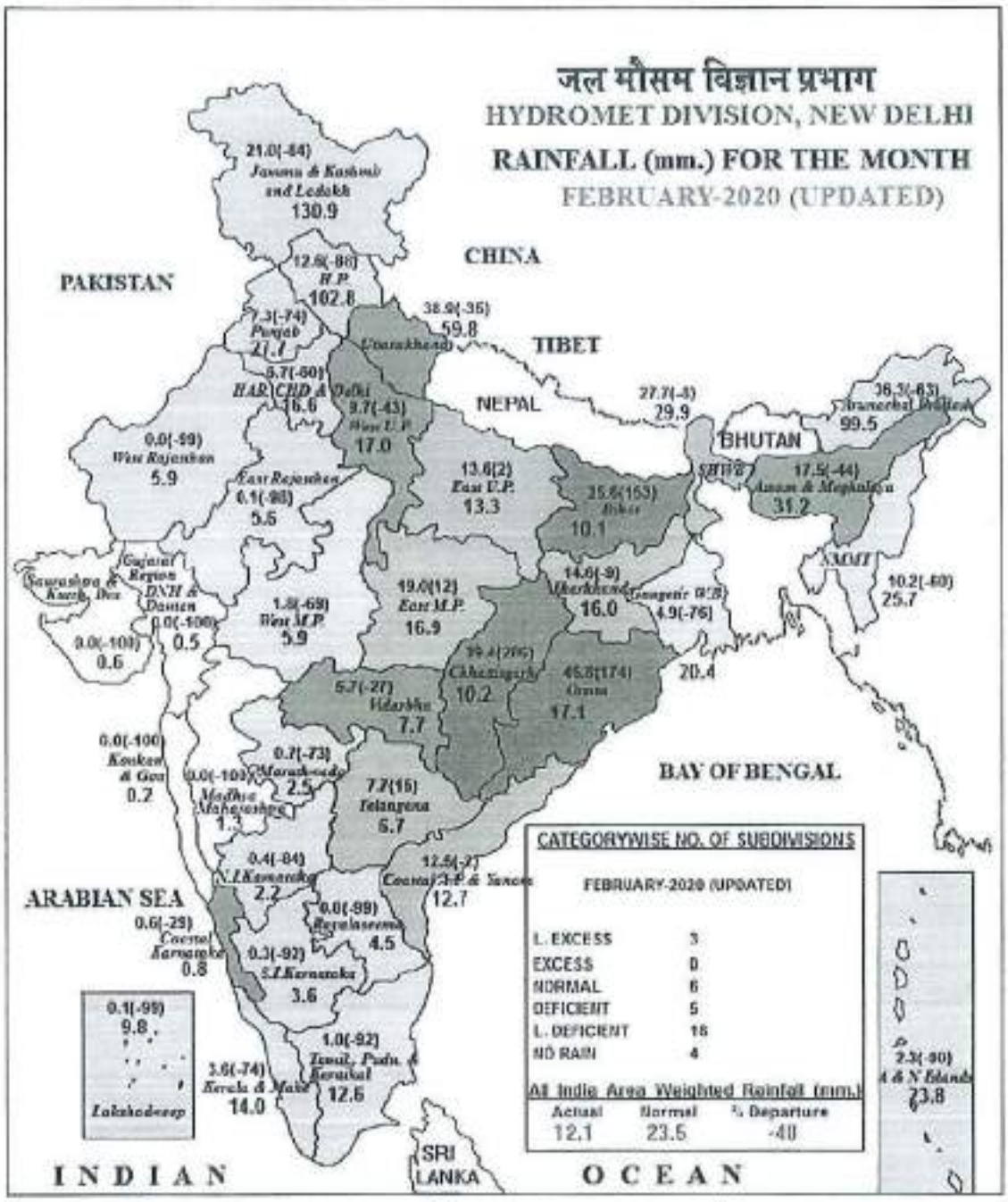
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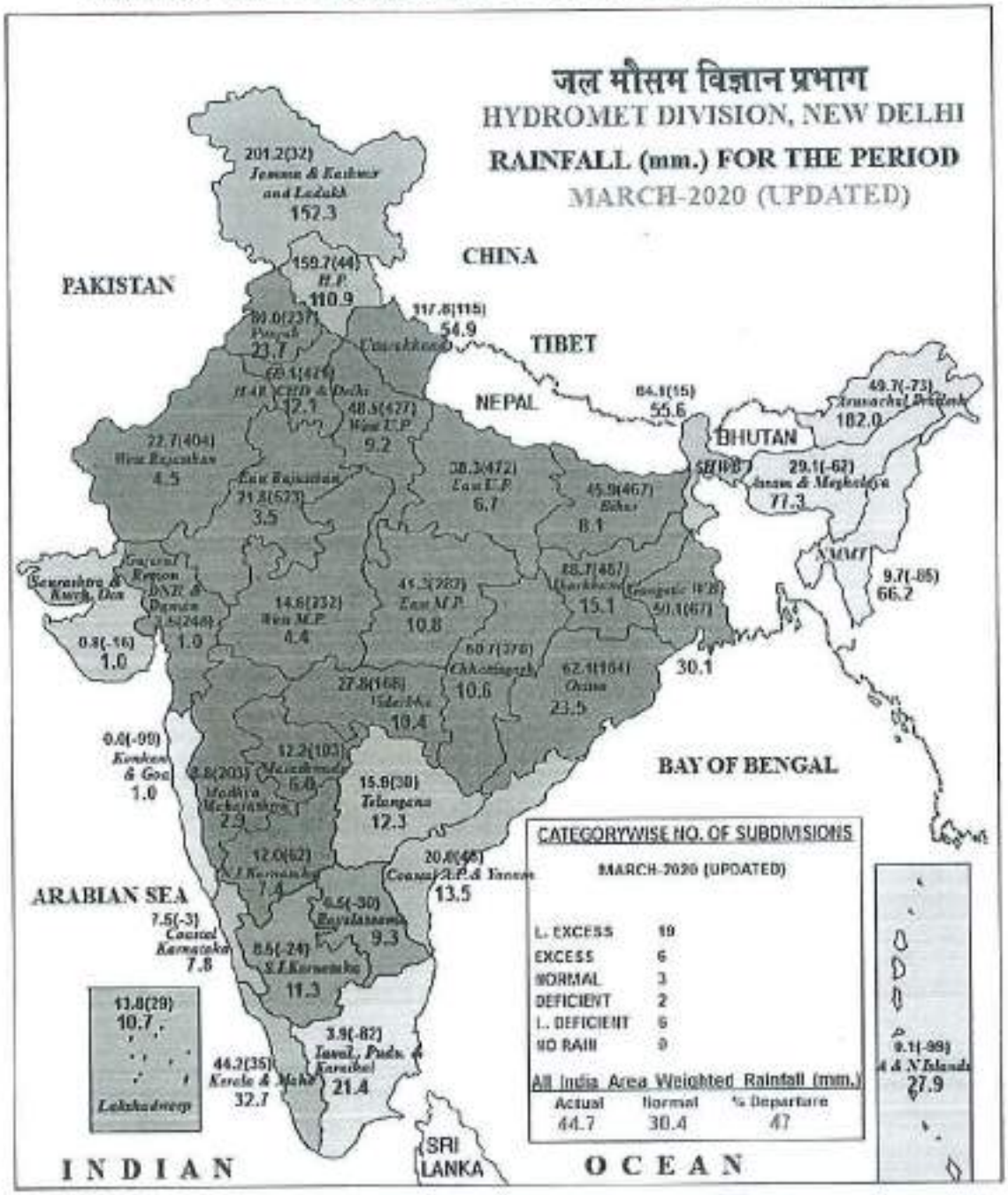
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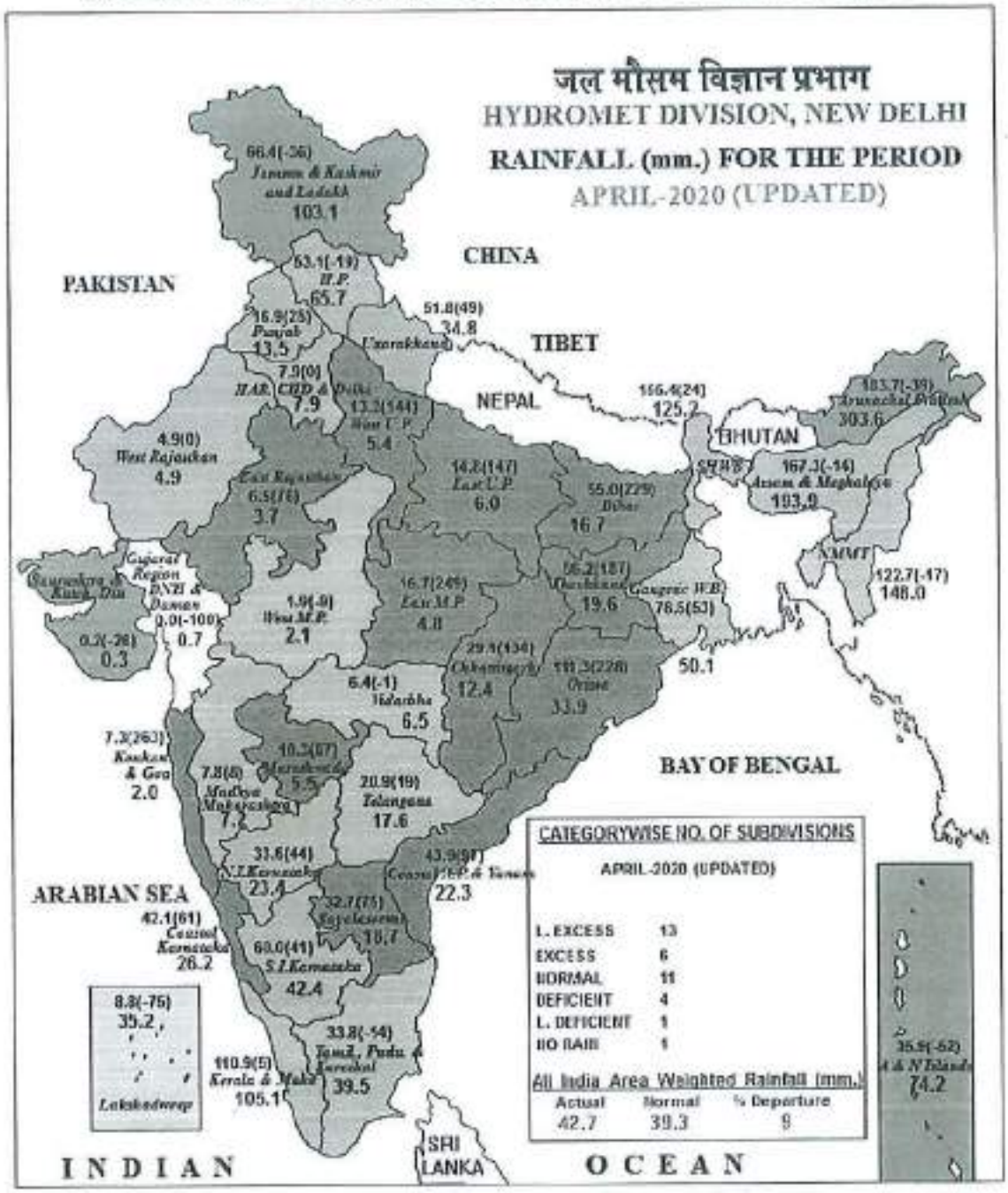
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INDIA METEOROLOGICAL DEPARTMENT



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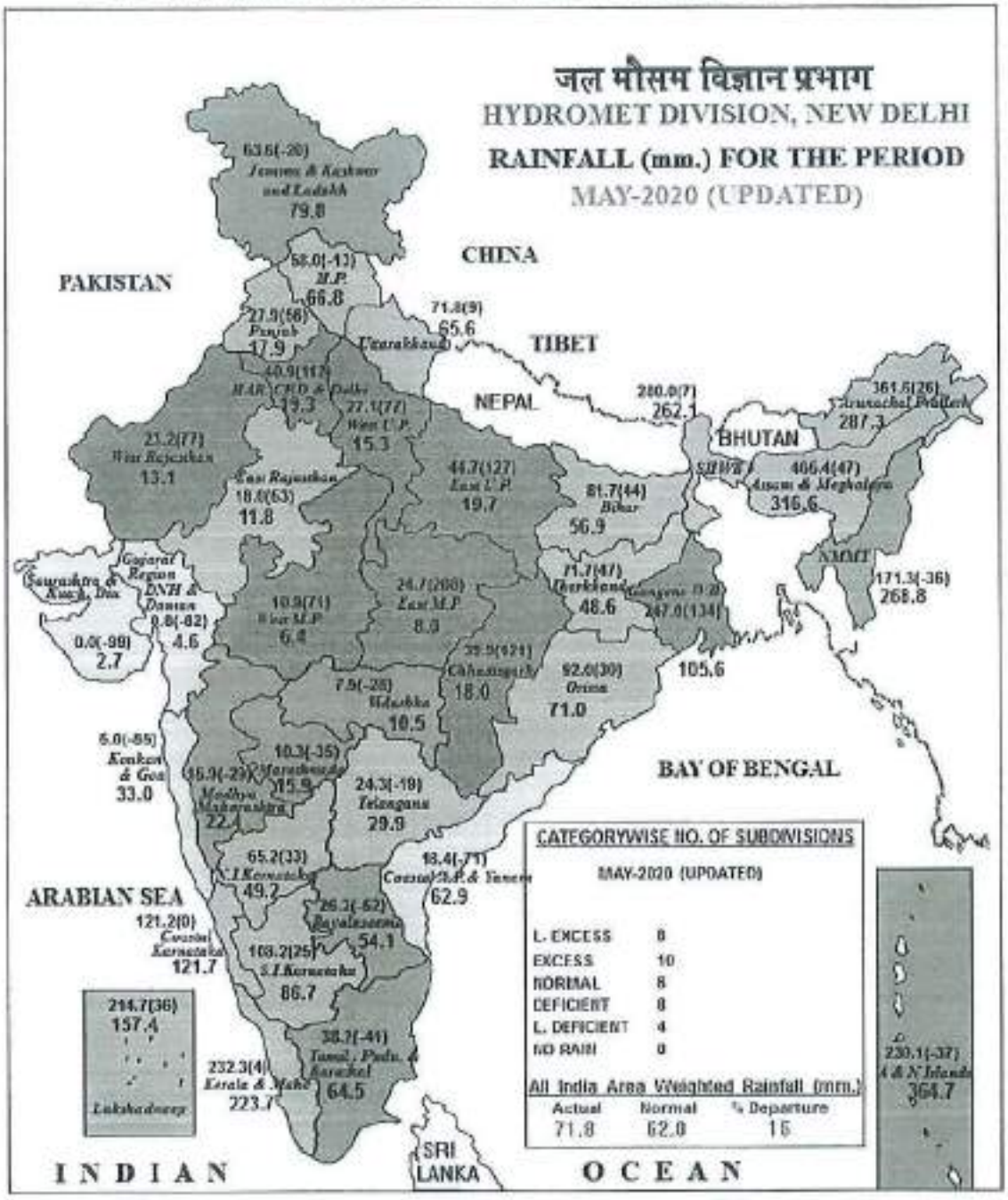
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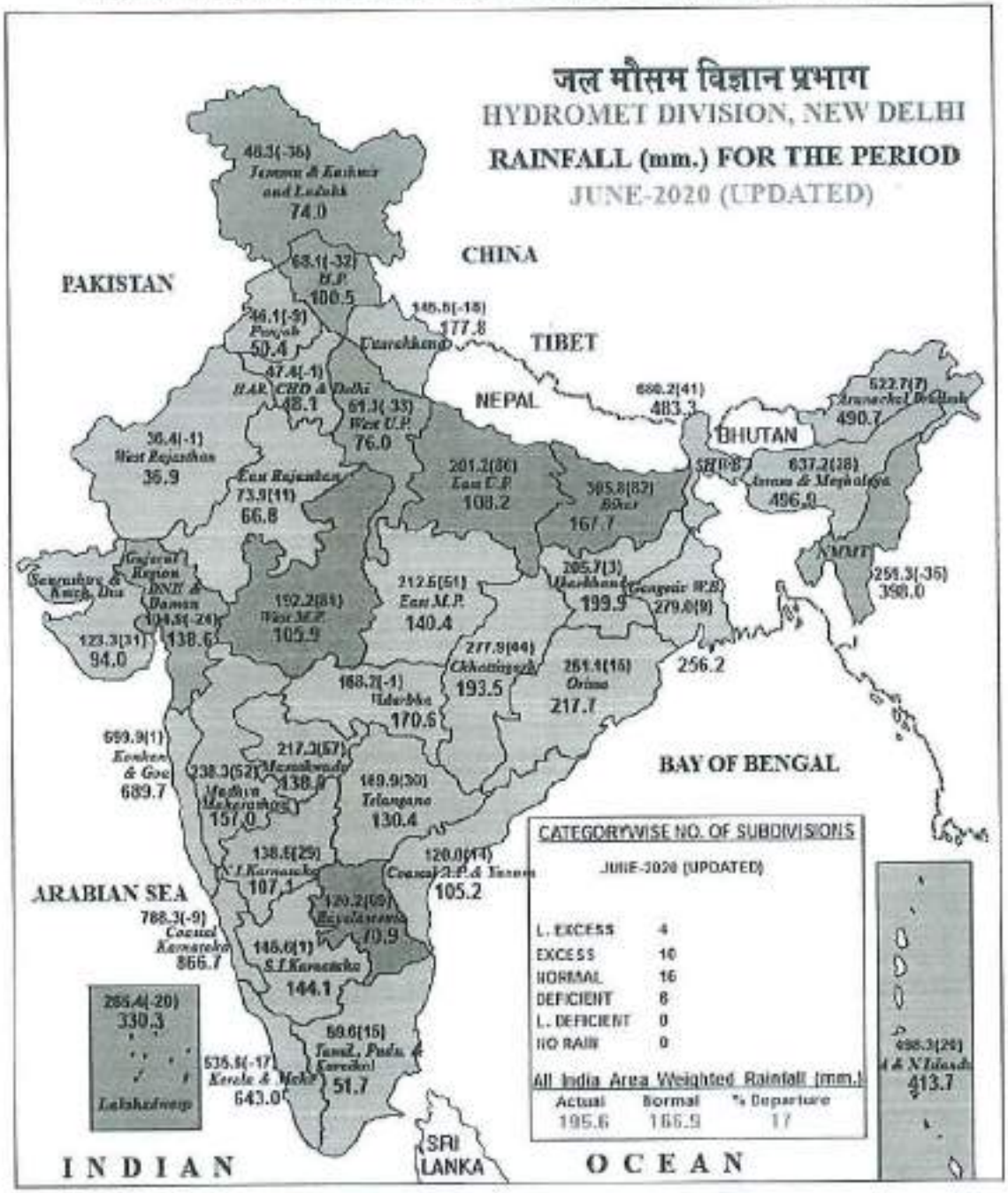
भारत मौसम विज्ञान विभाग
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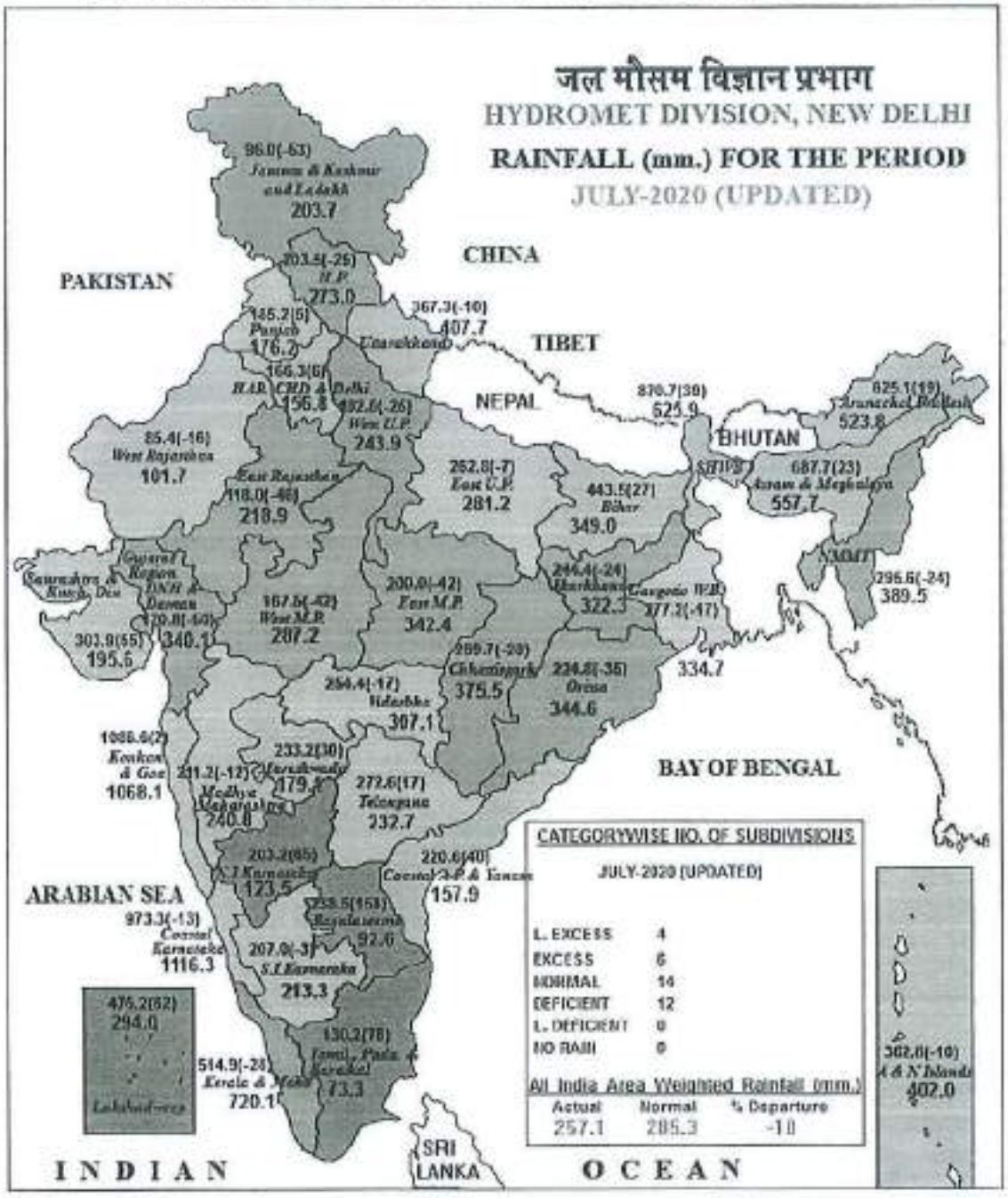
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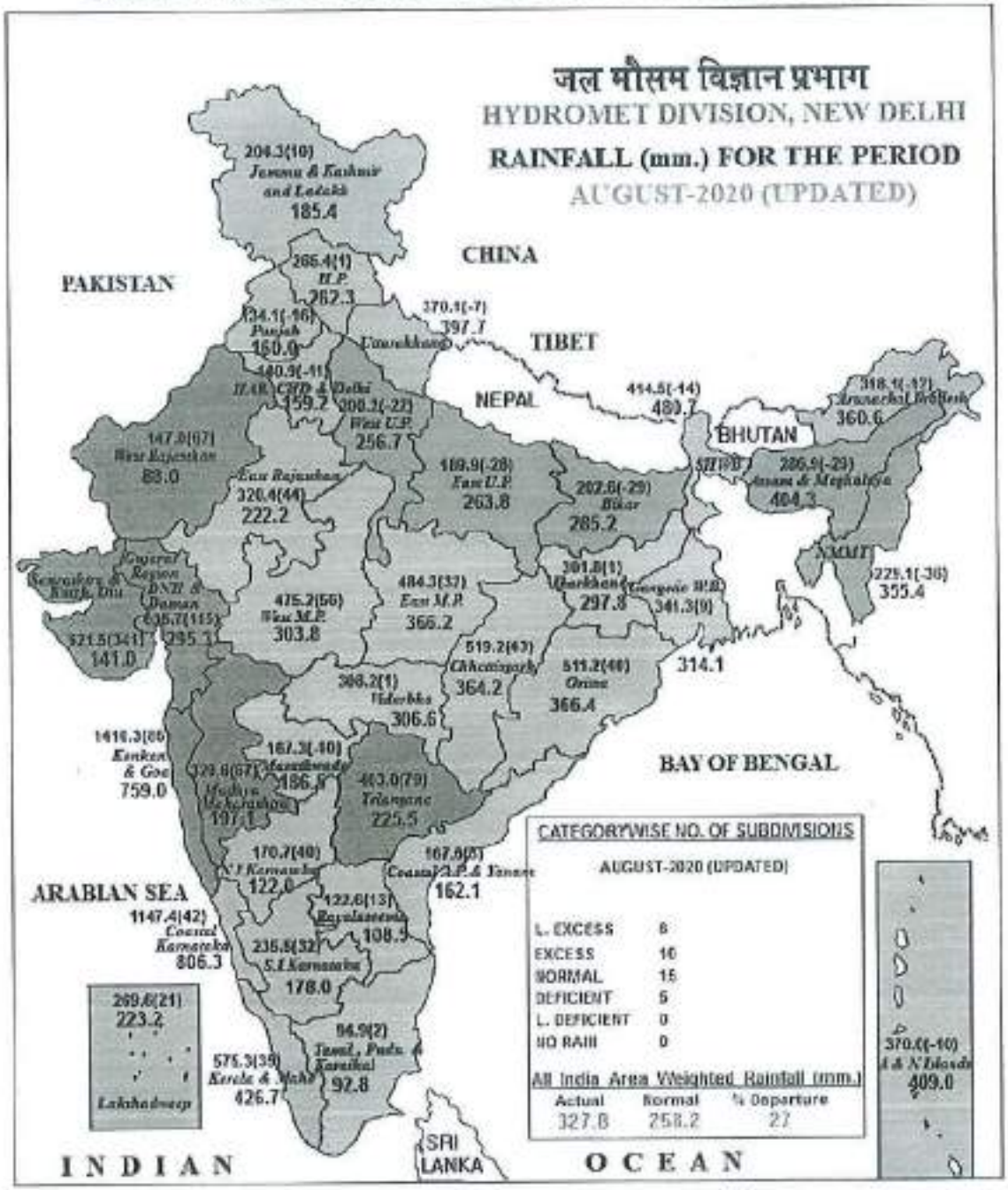
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INDIA METEOROLOGICAL DEPARTMENT



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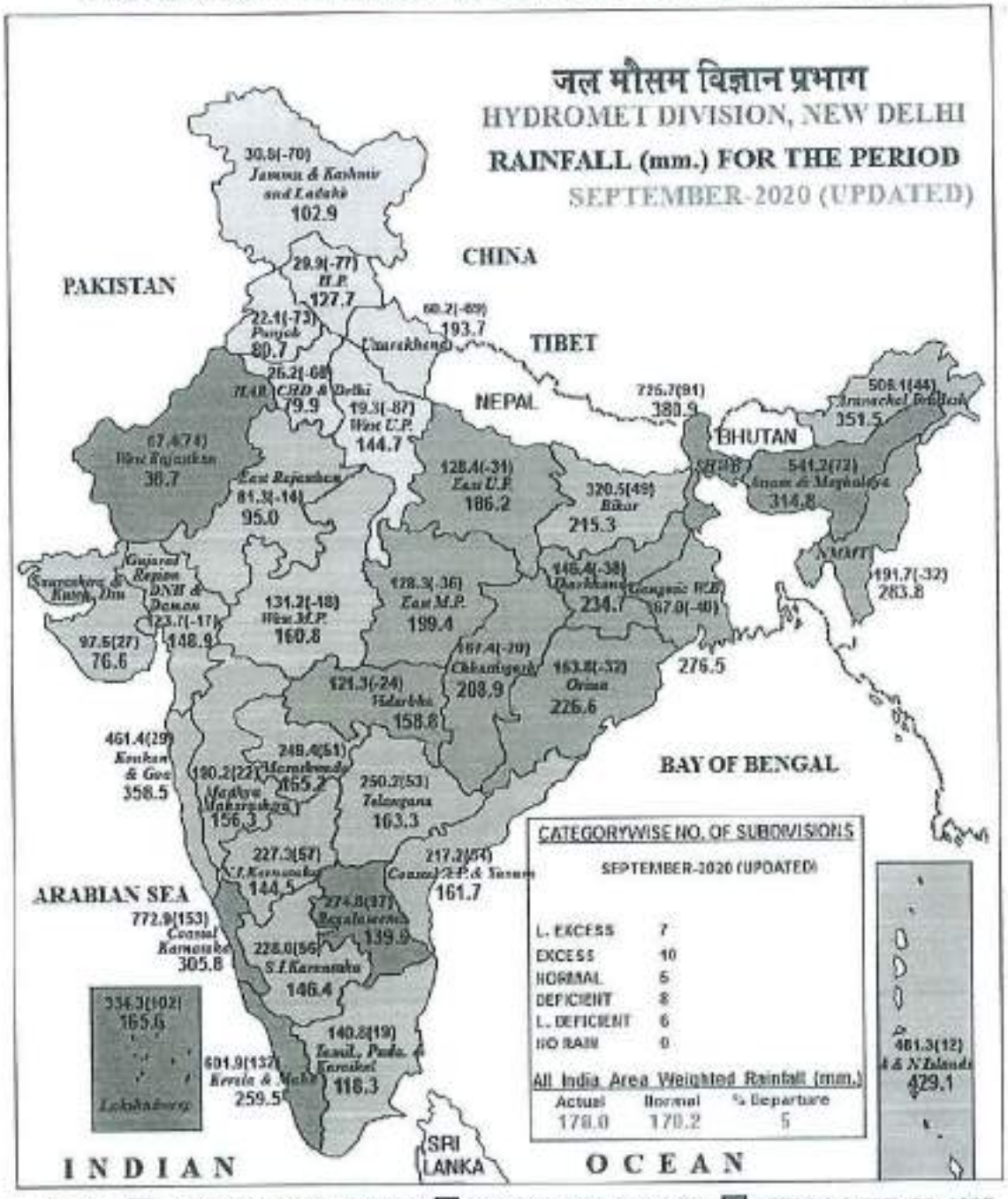
भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



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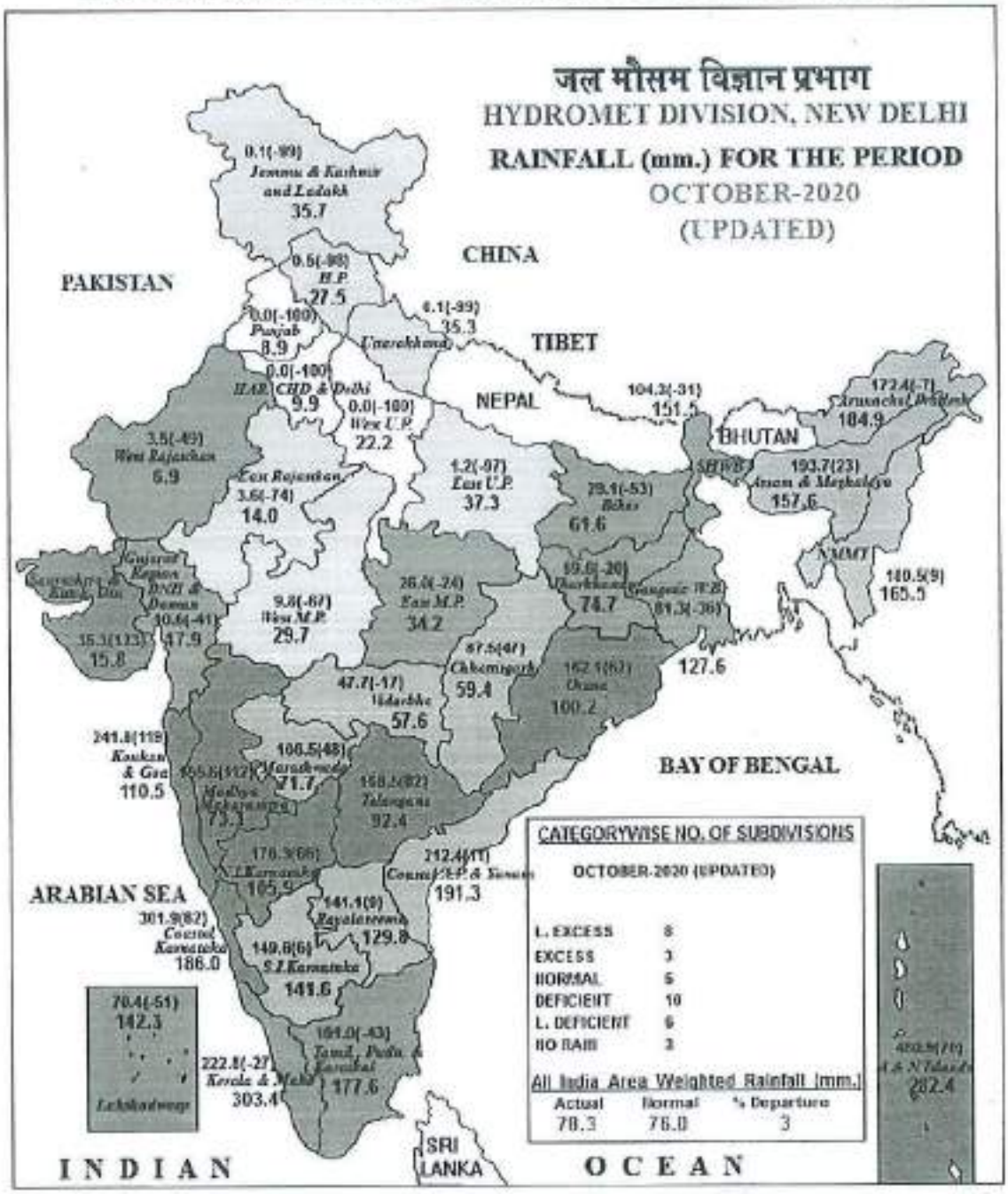
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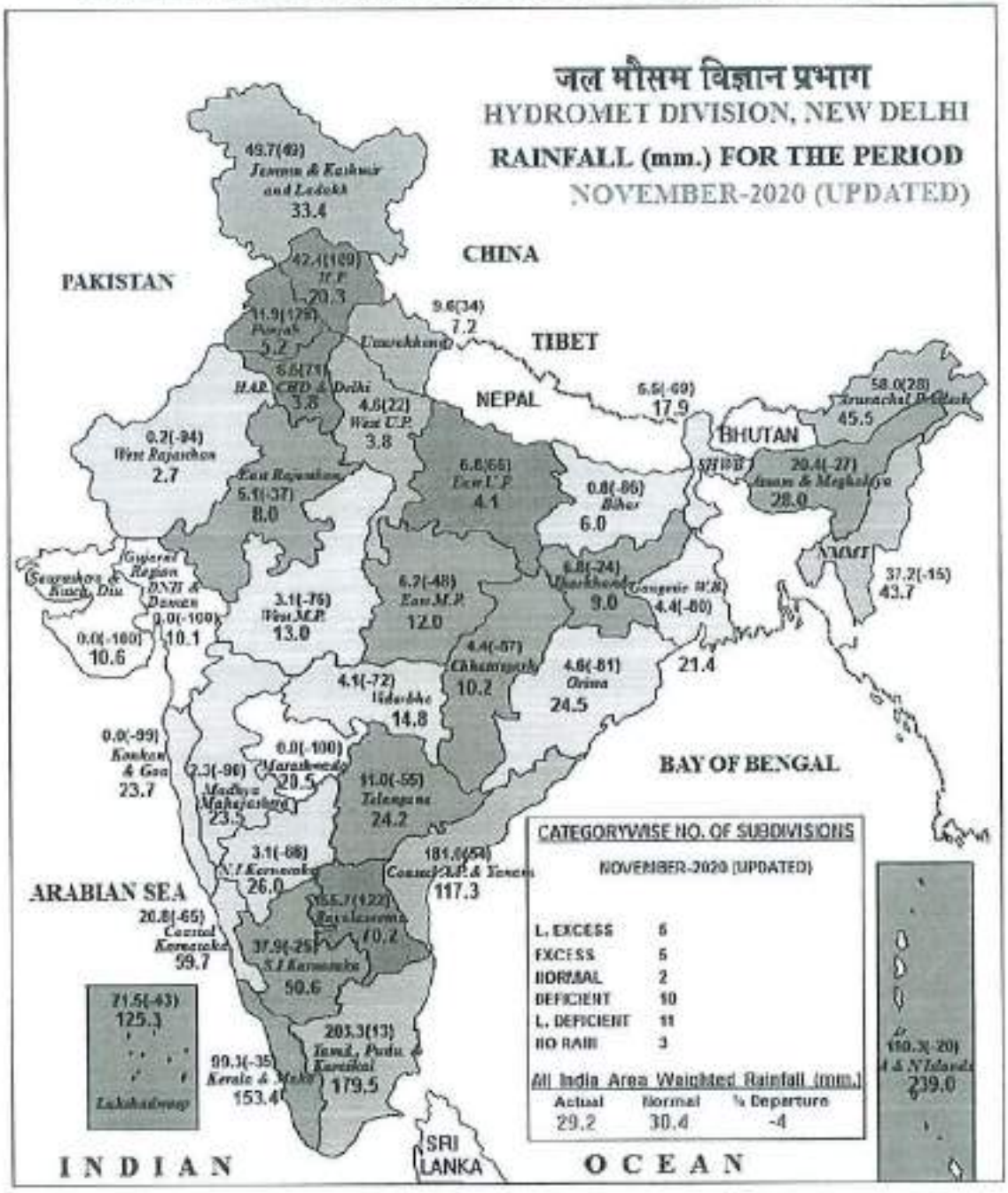
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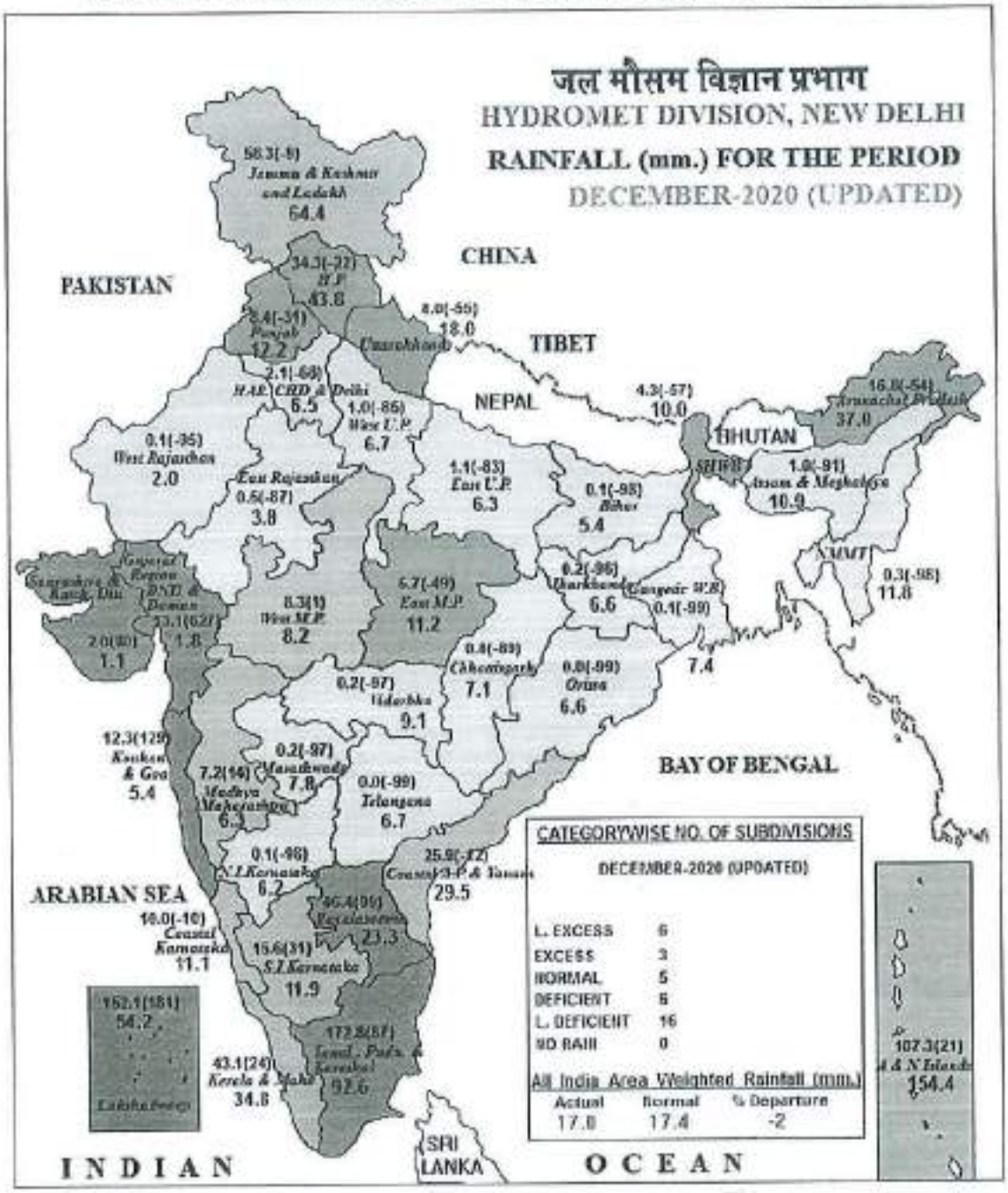
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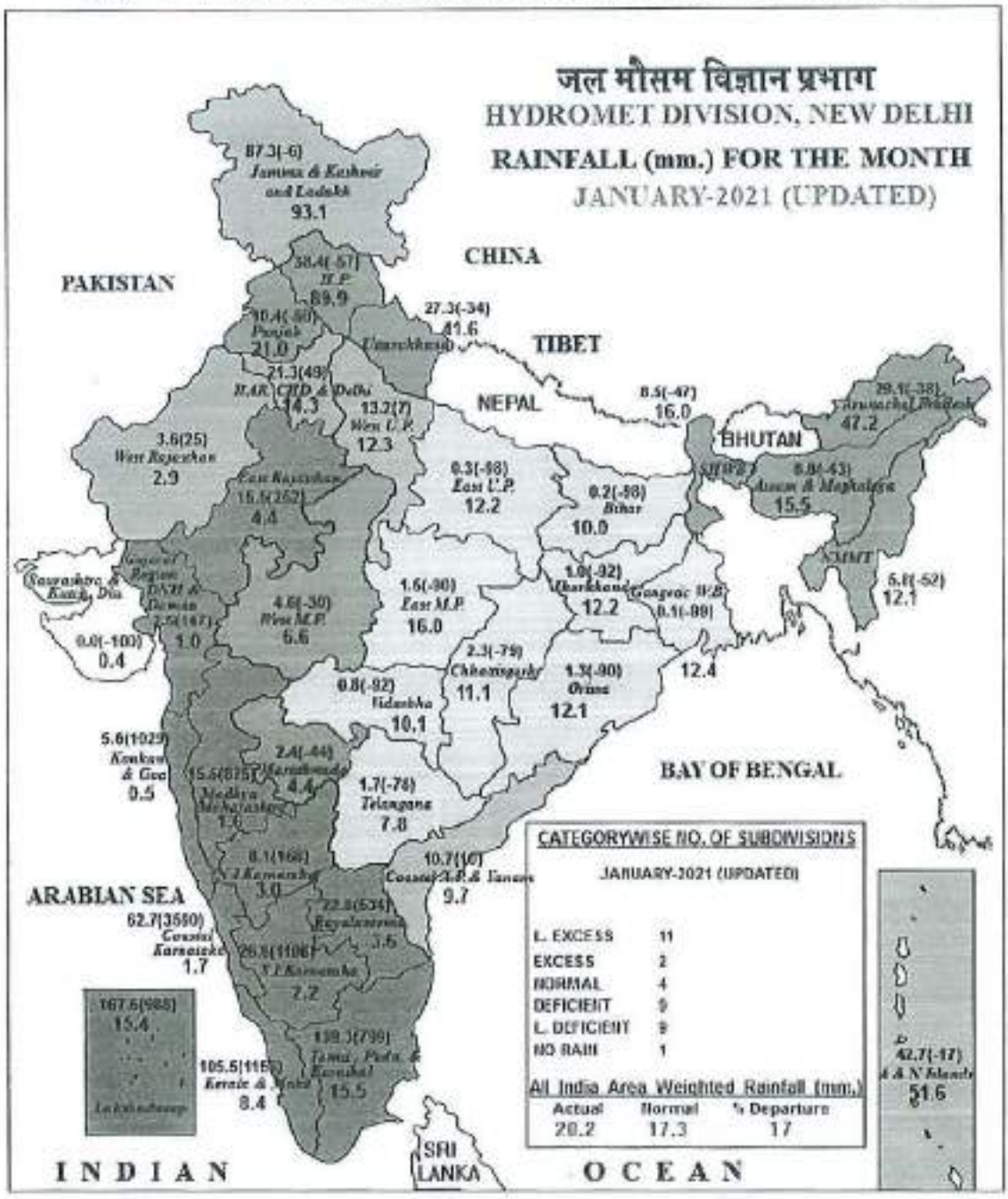
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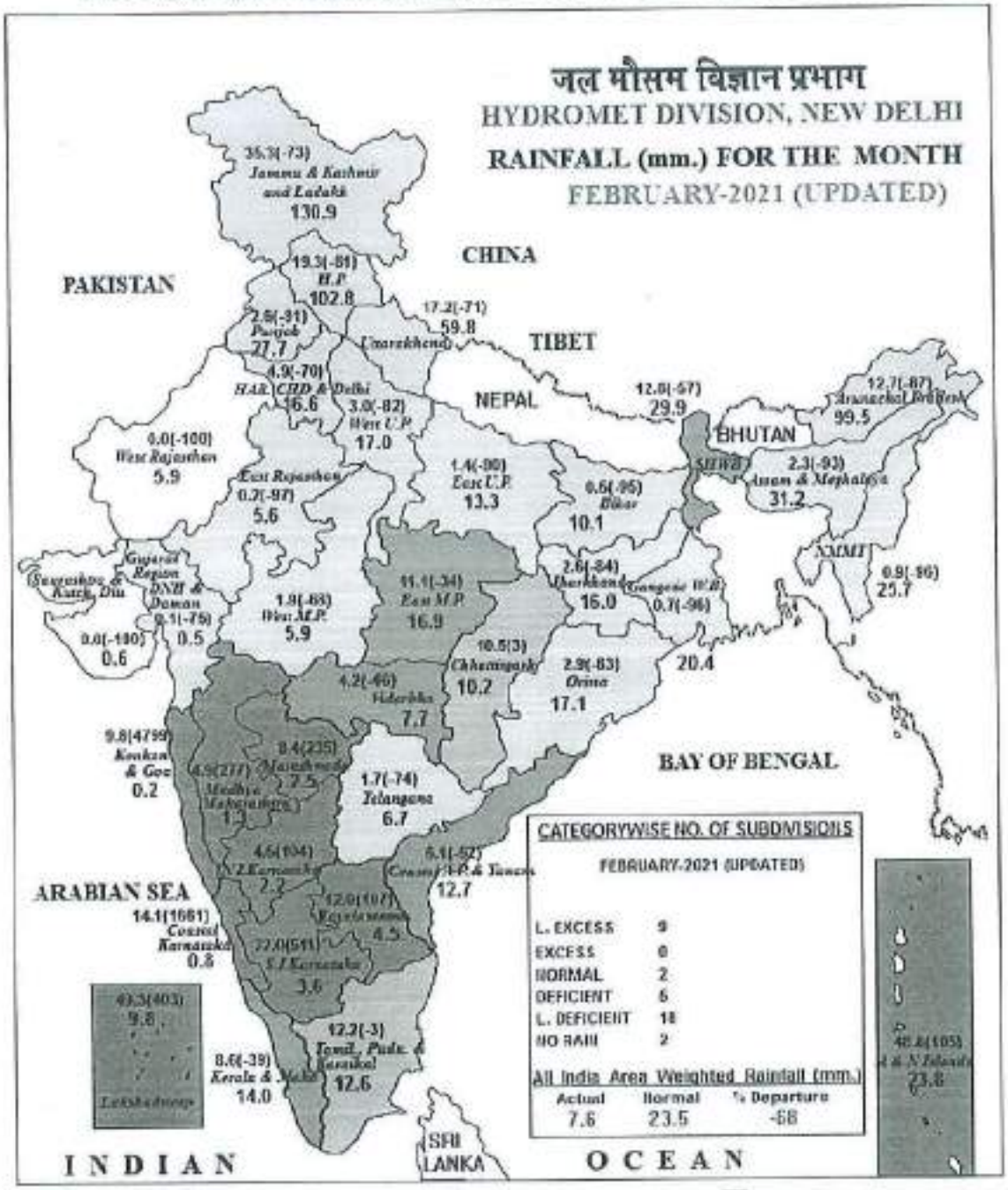
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INDIA METEOROLOGICAL DEPARTMENT



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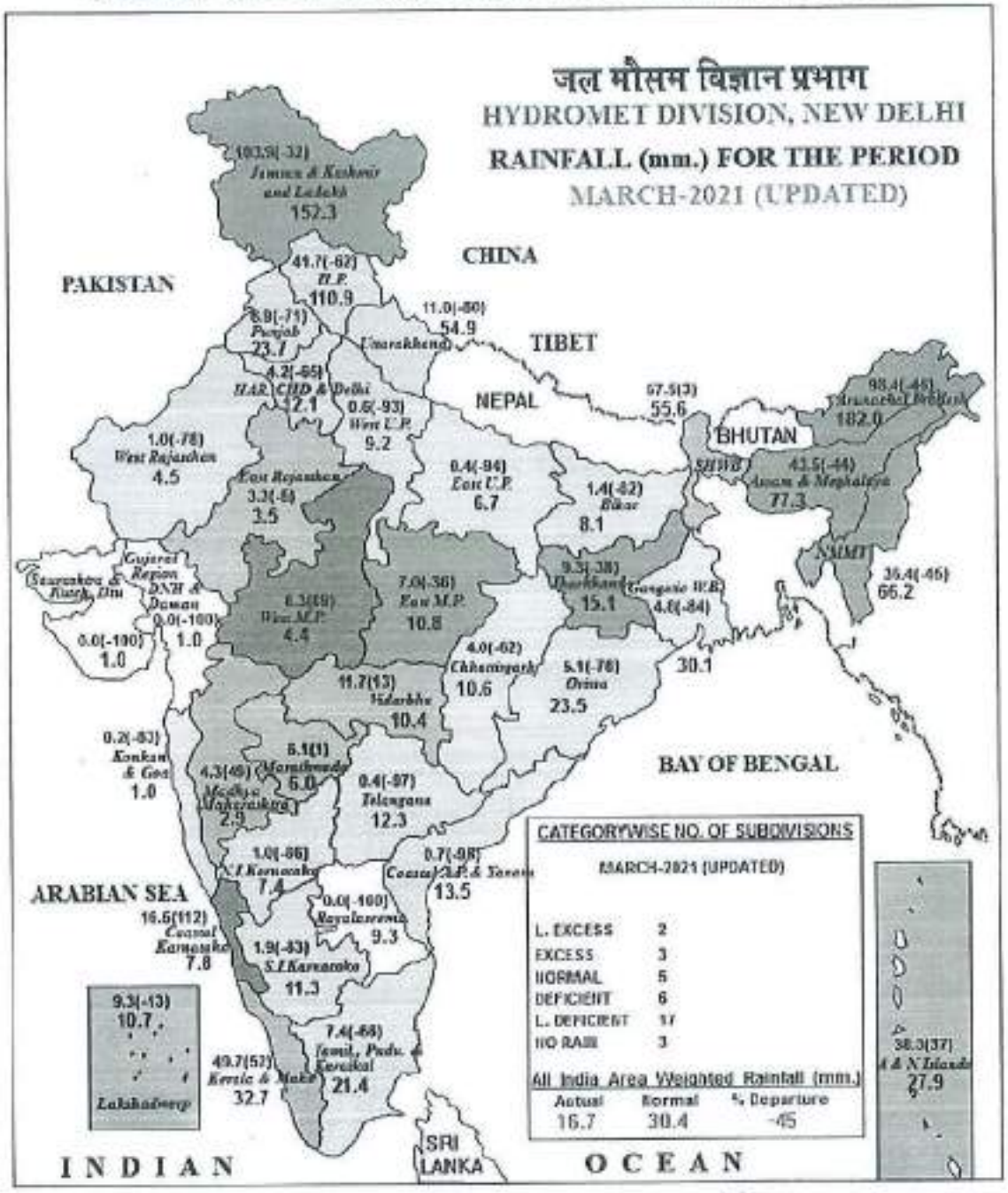
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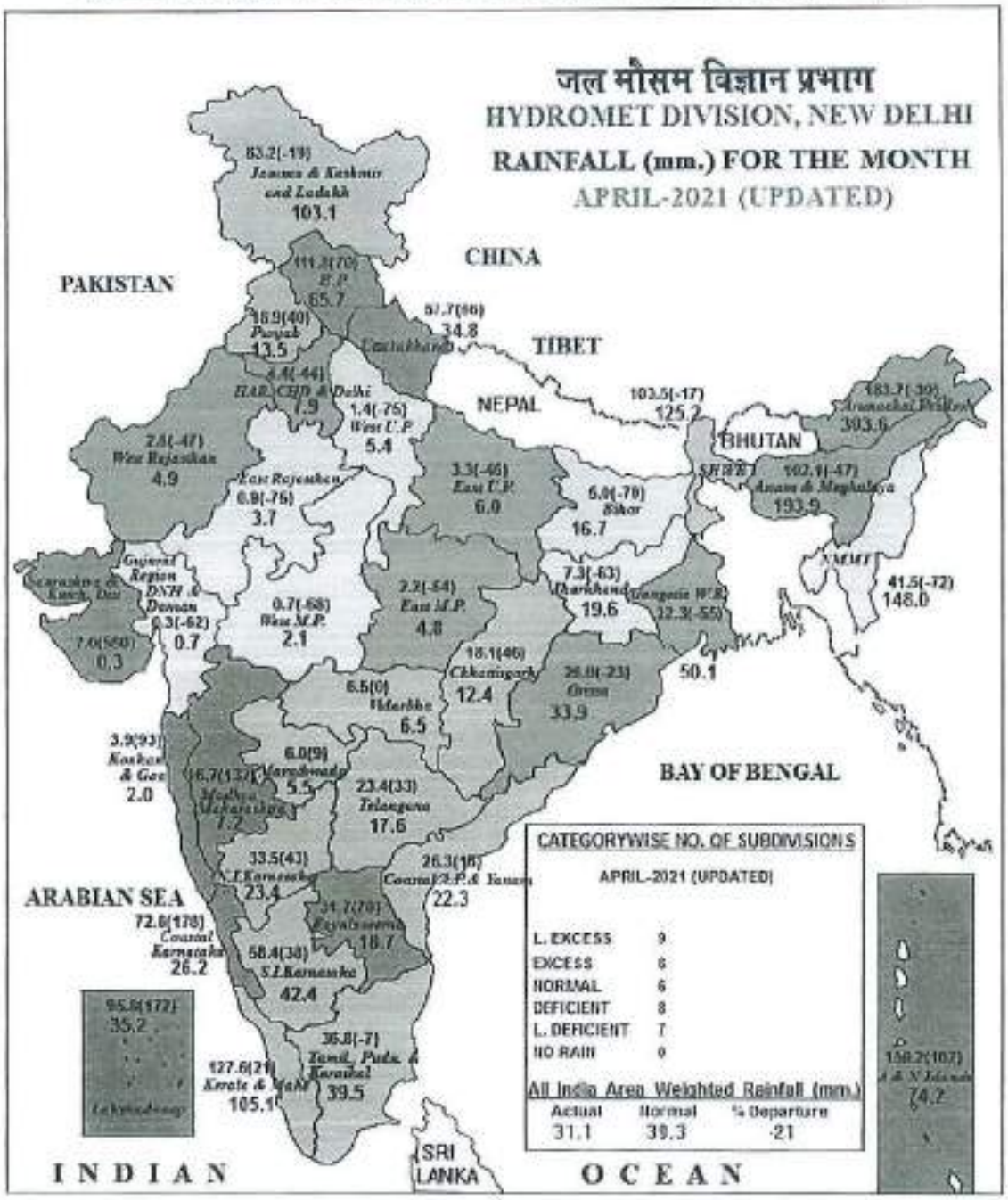
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INDIA METEOROLOGICAL DEPARTMENT



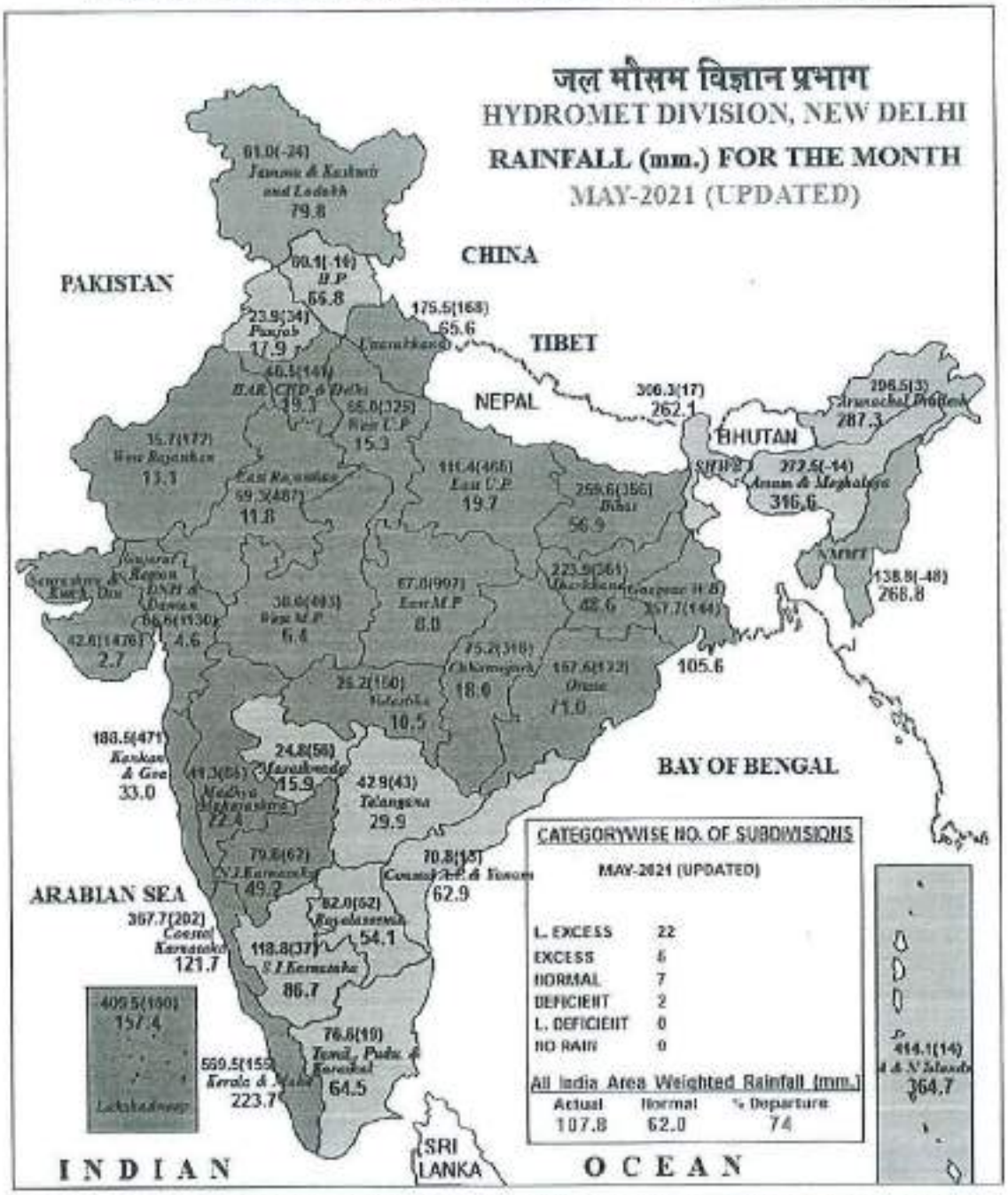
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INDIA METEOROLOGICAL DEPARTMENT



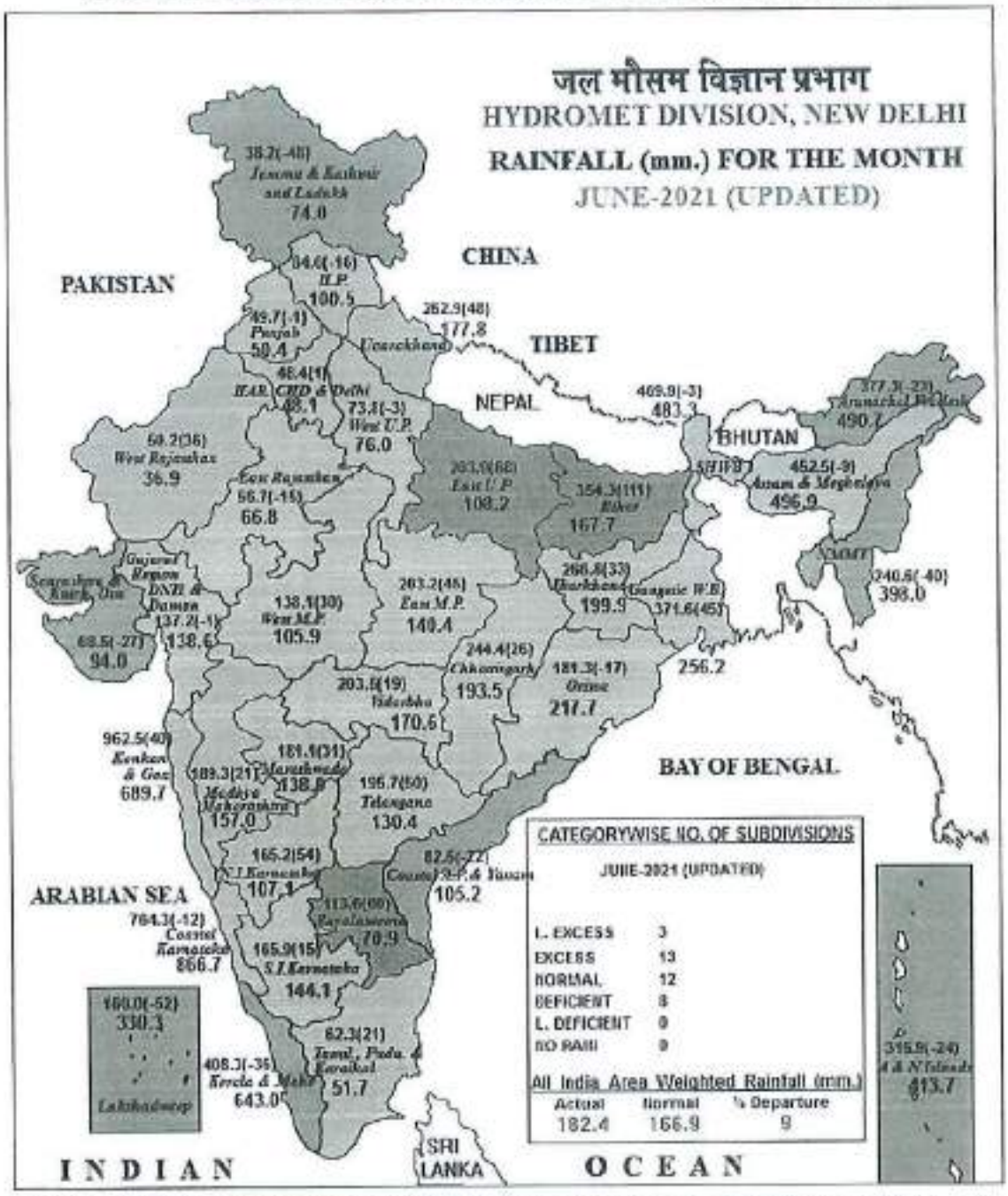
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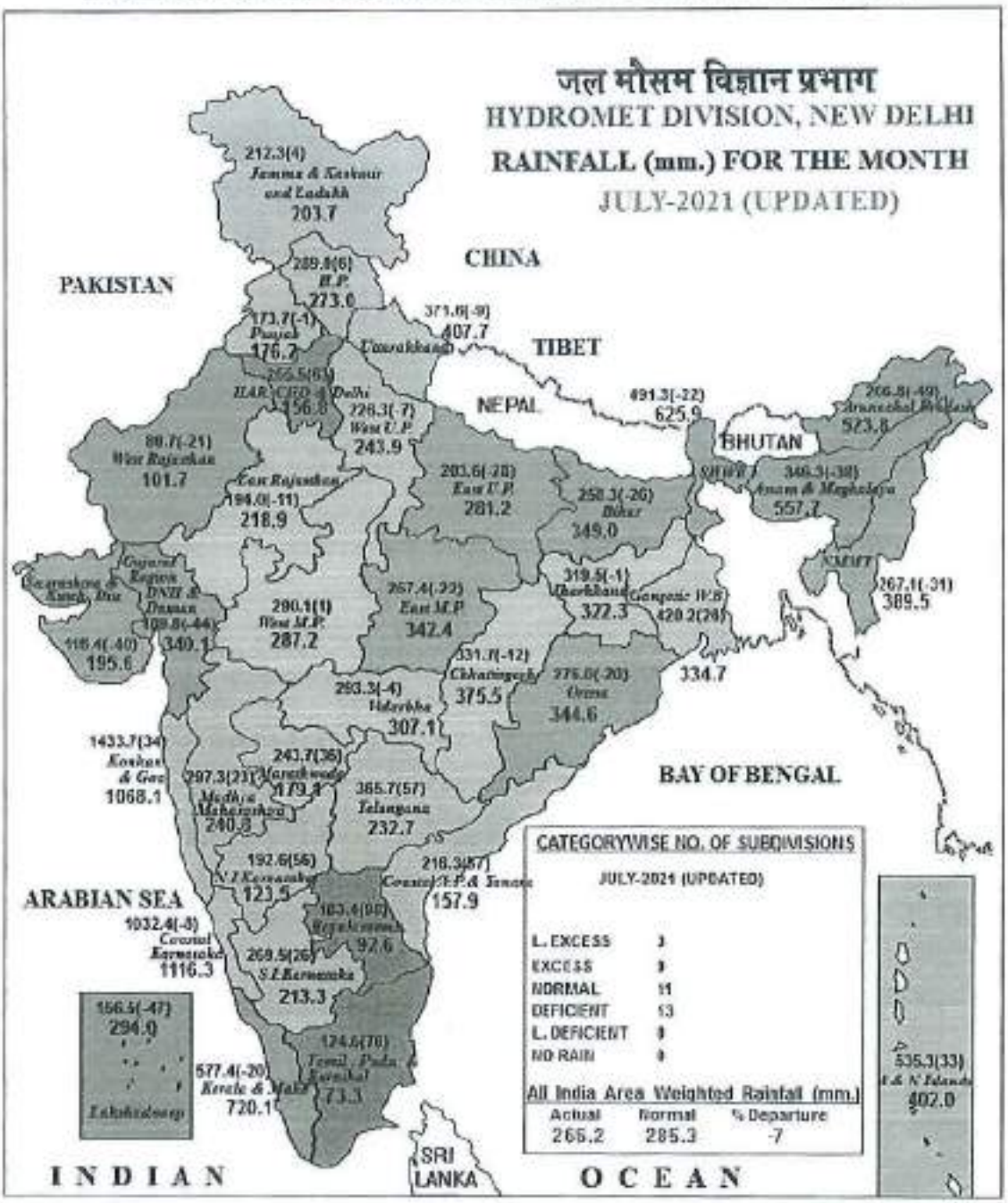
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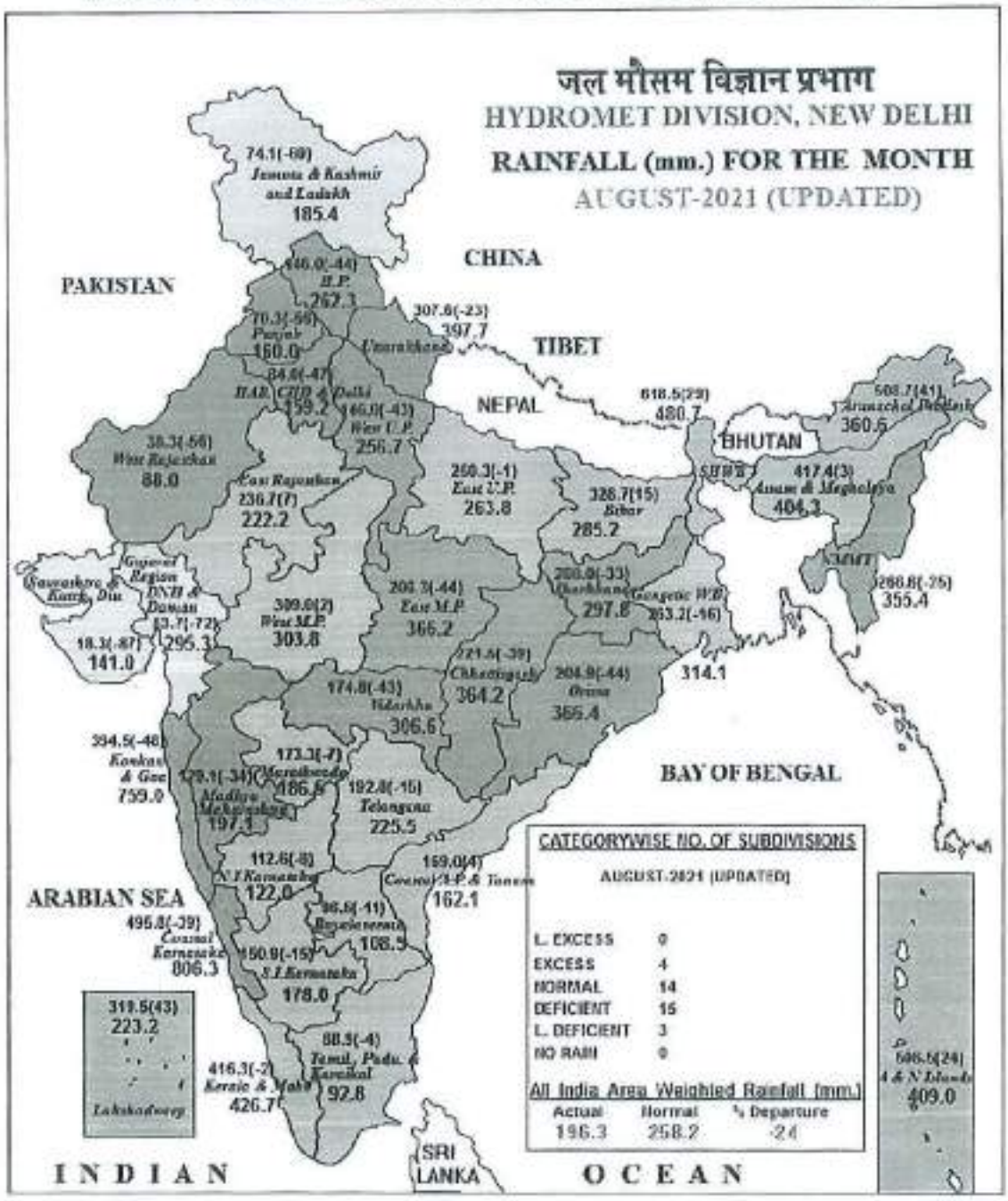
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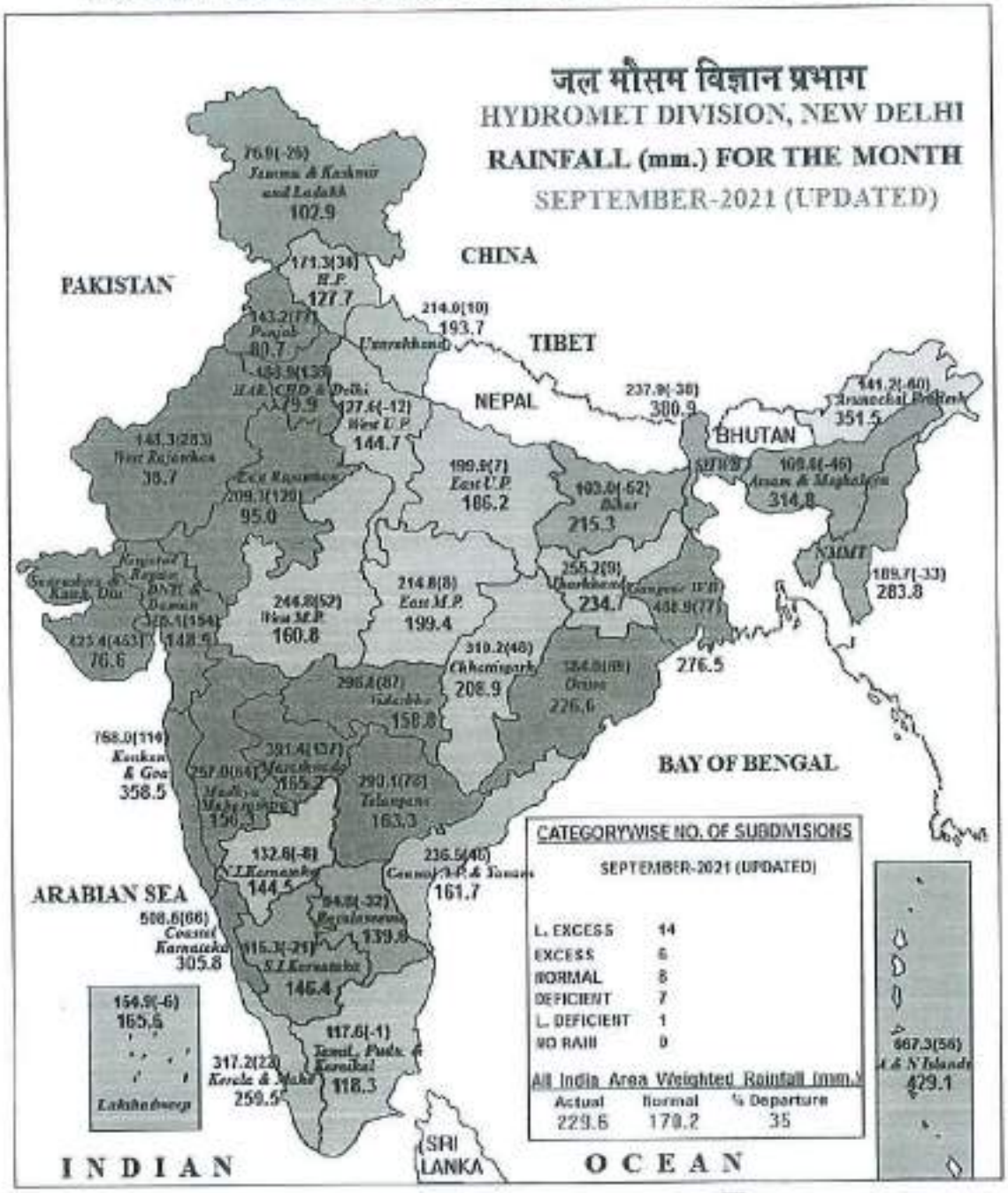
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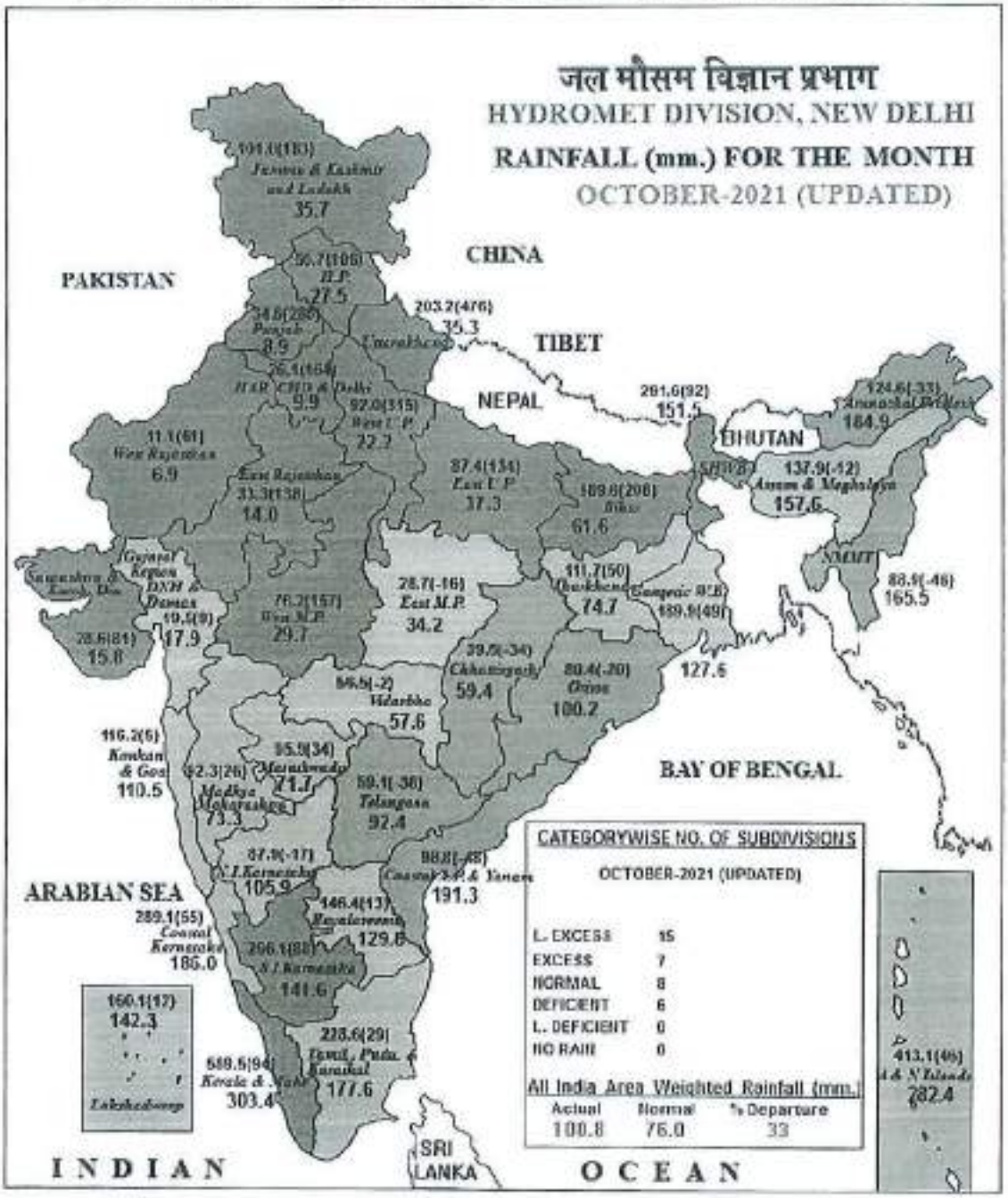
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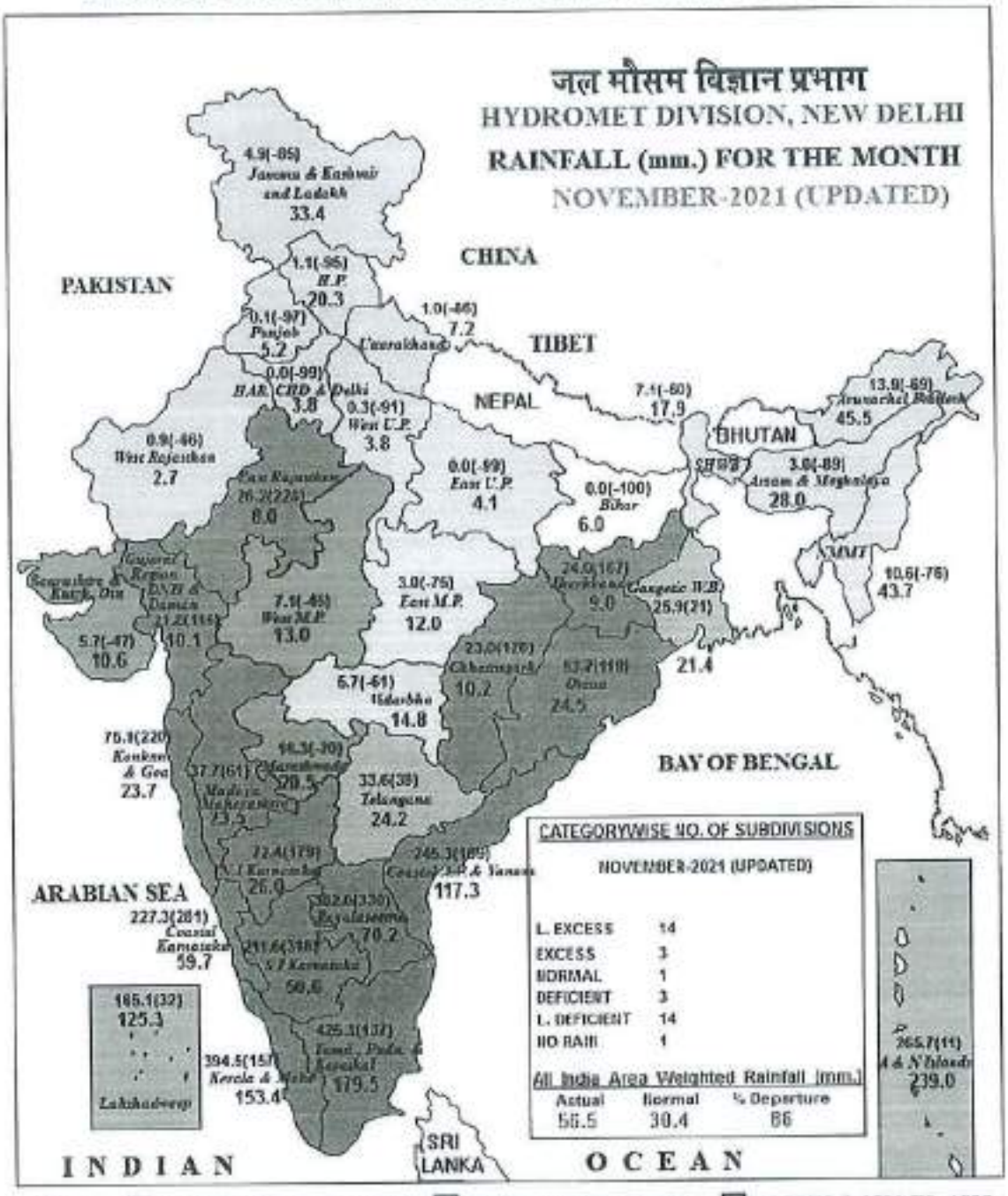
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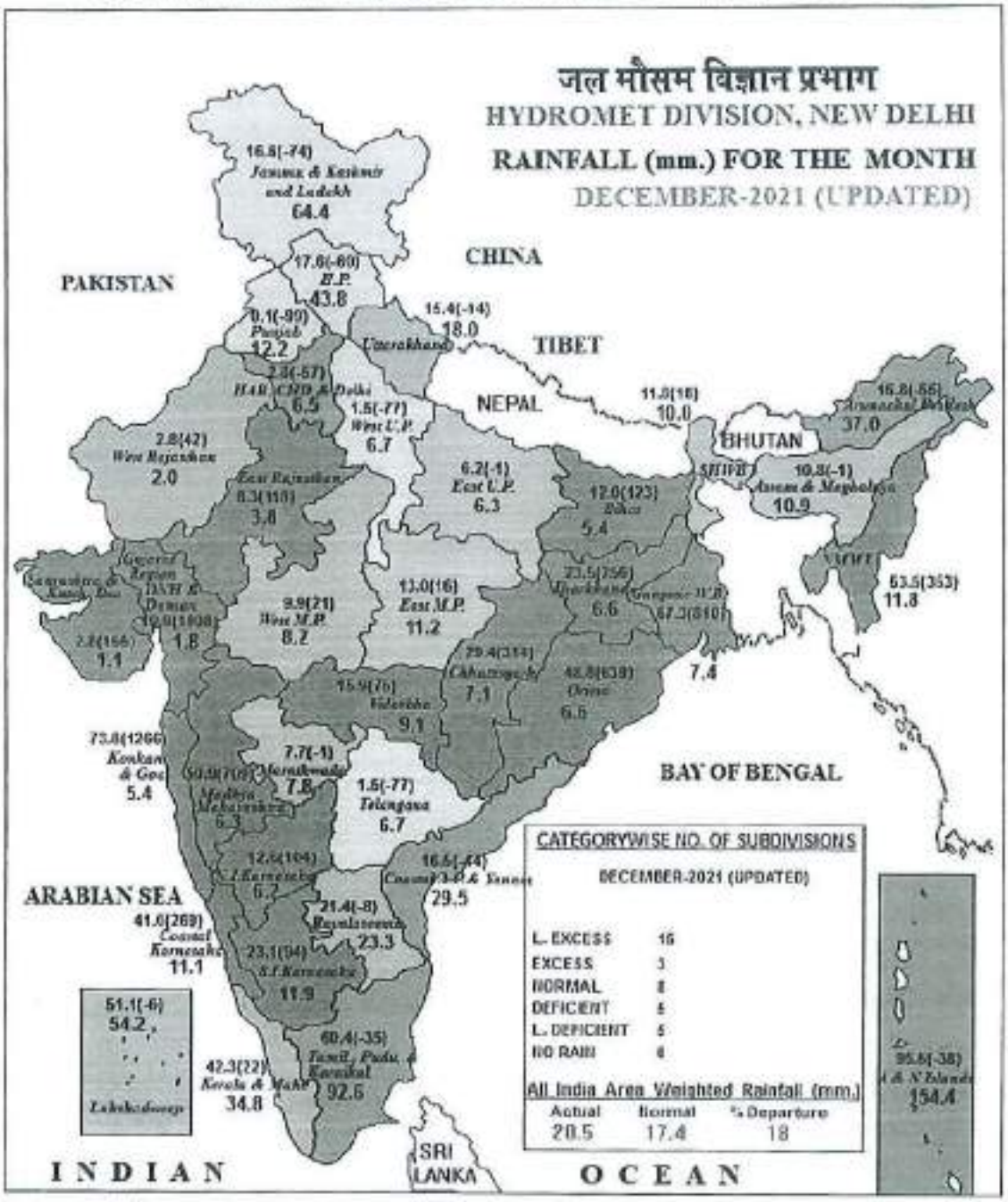
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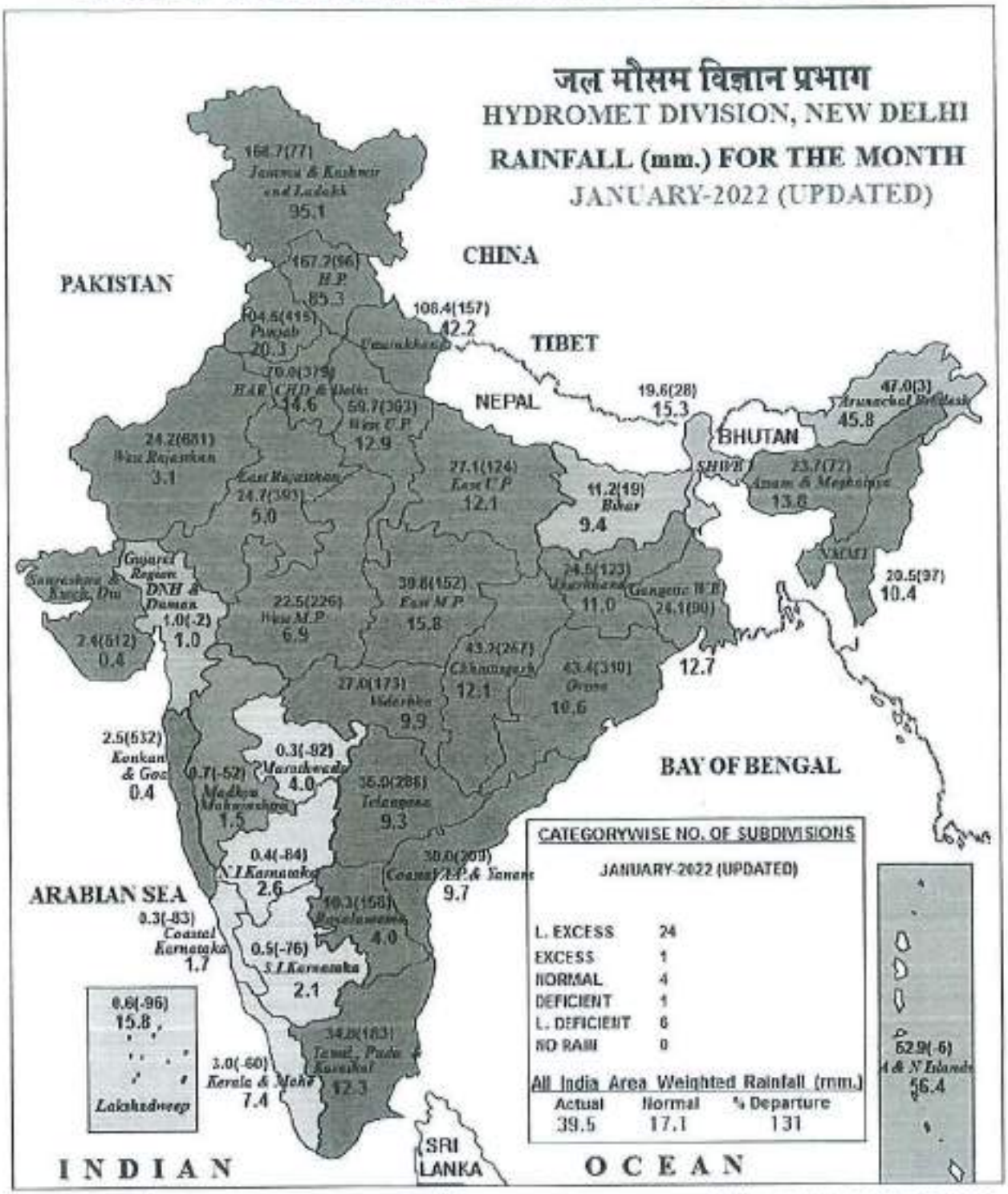
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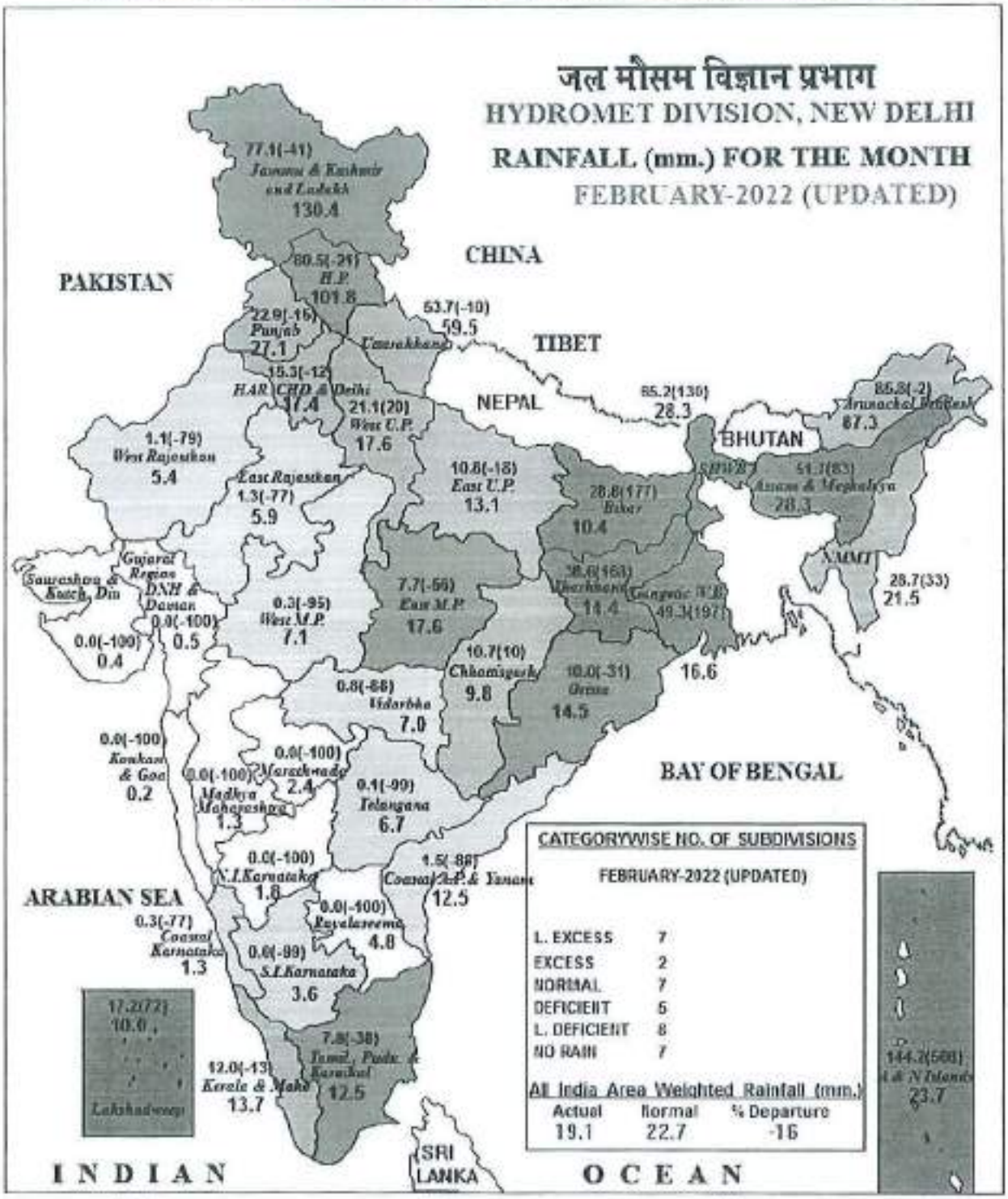
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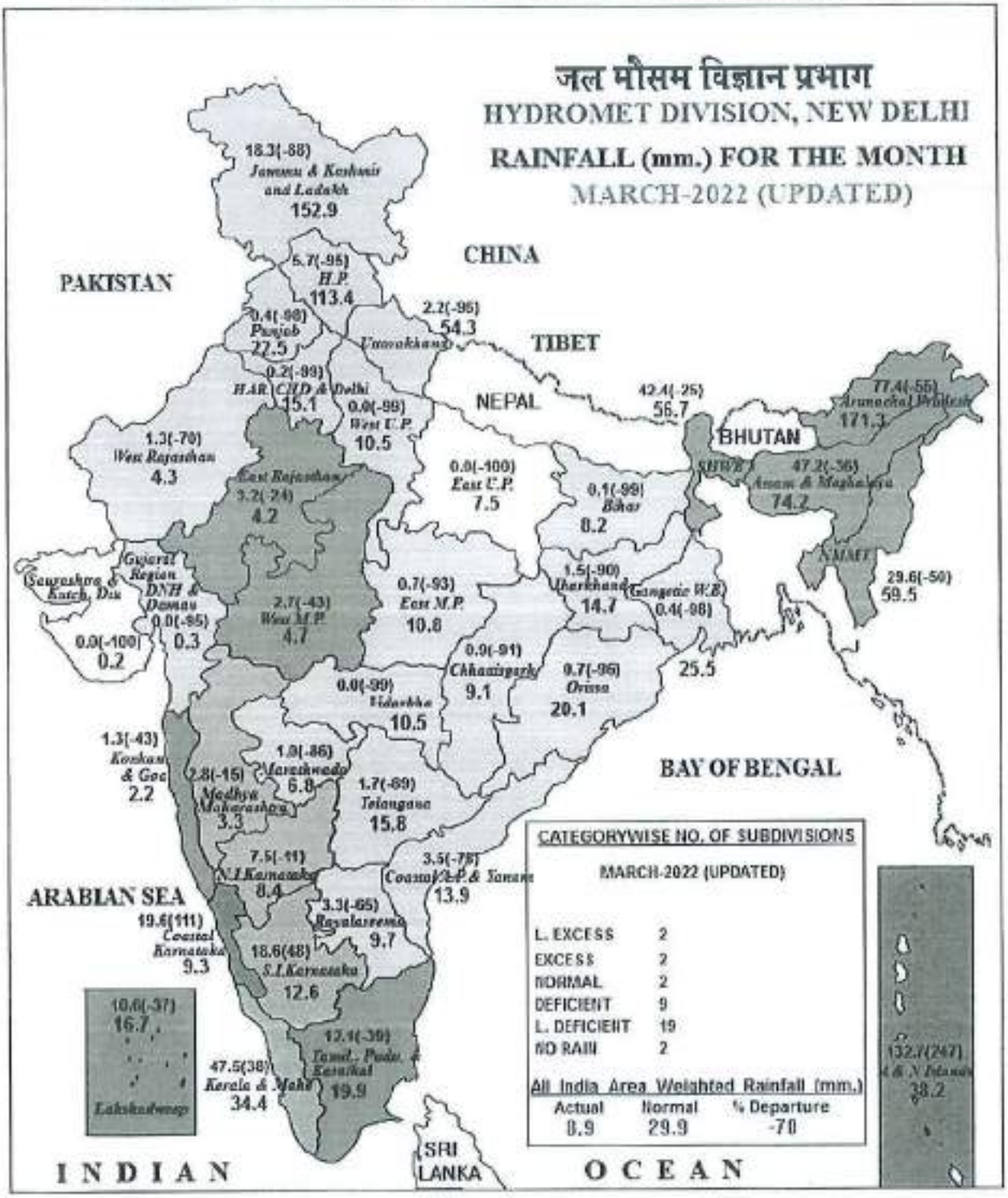
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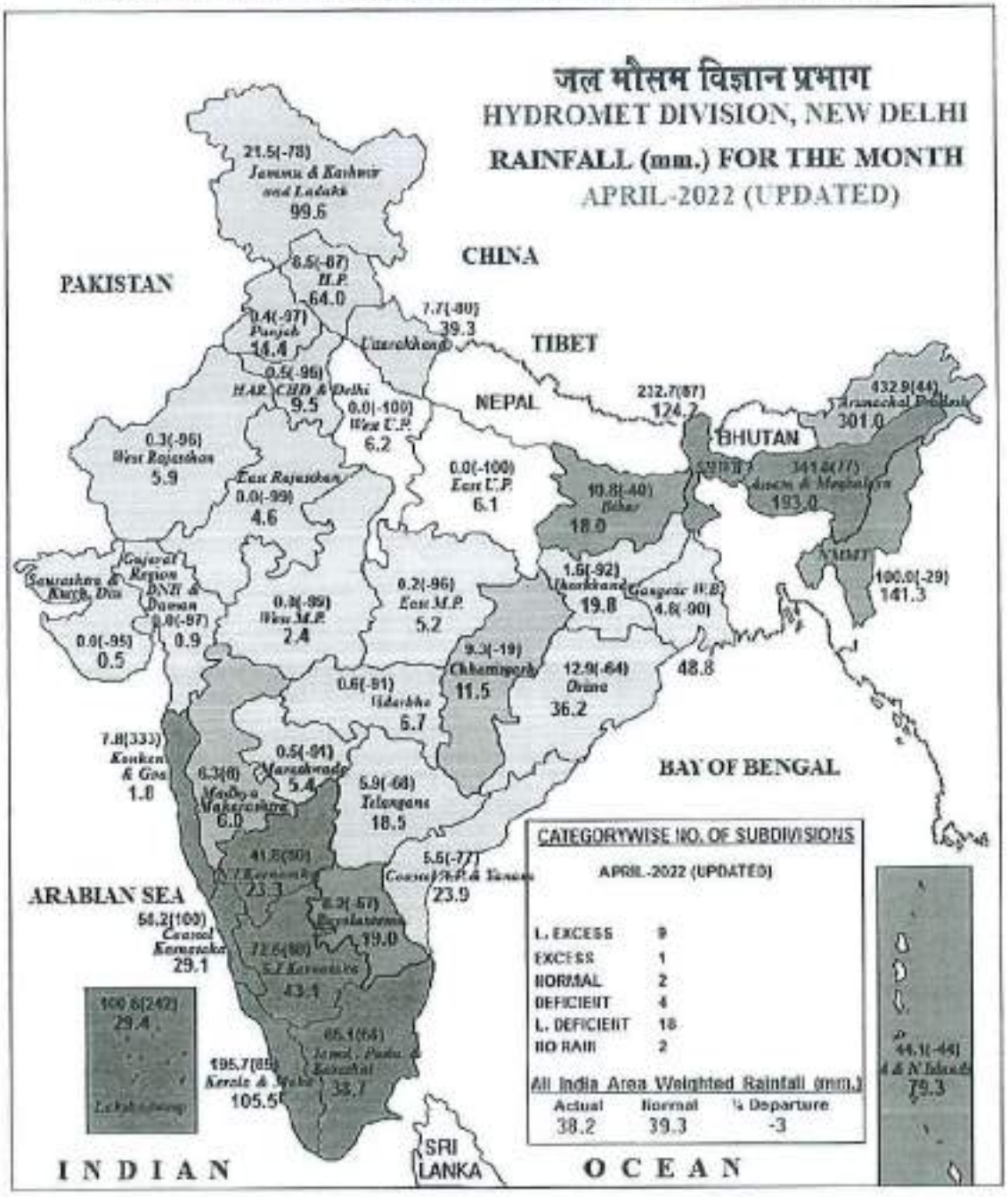


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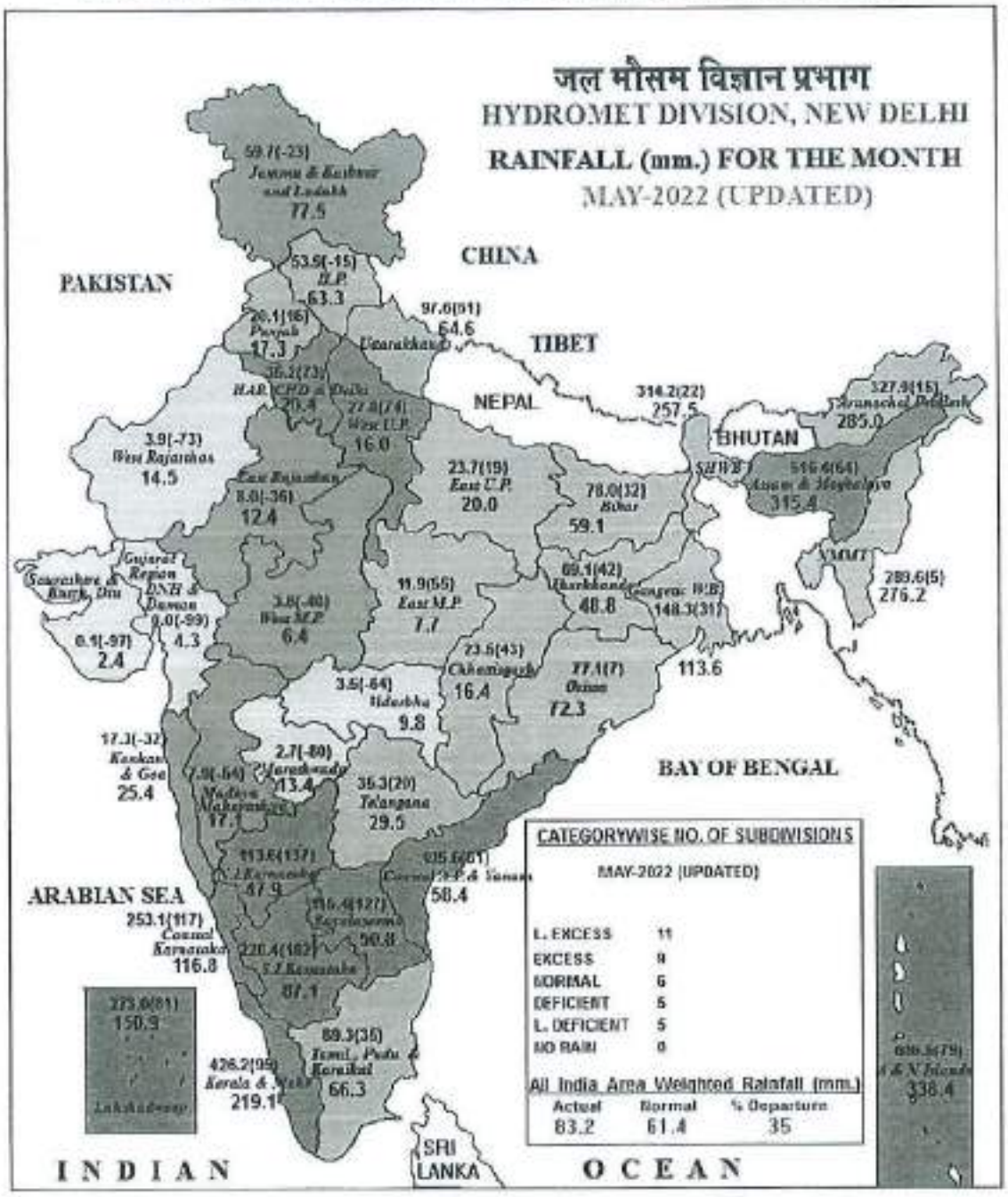
जल मौसम विज्ञान प्रभाग
HYDROMET DIVISION, NEW DELHI
RAINFALL (mm.) FOR THE MONTH
APRIL-2022 (UPDATED)



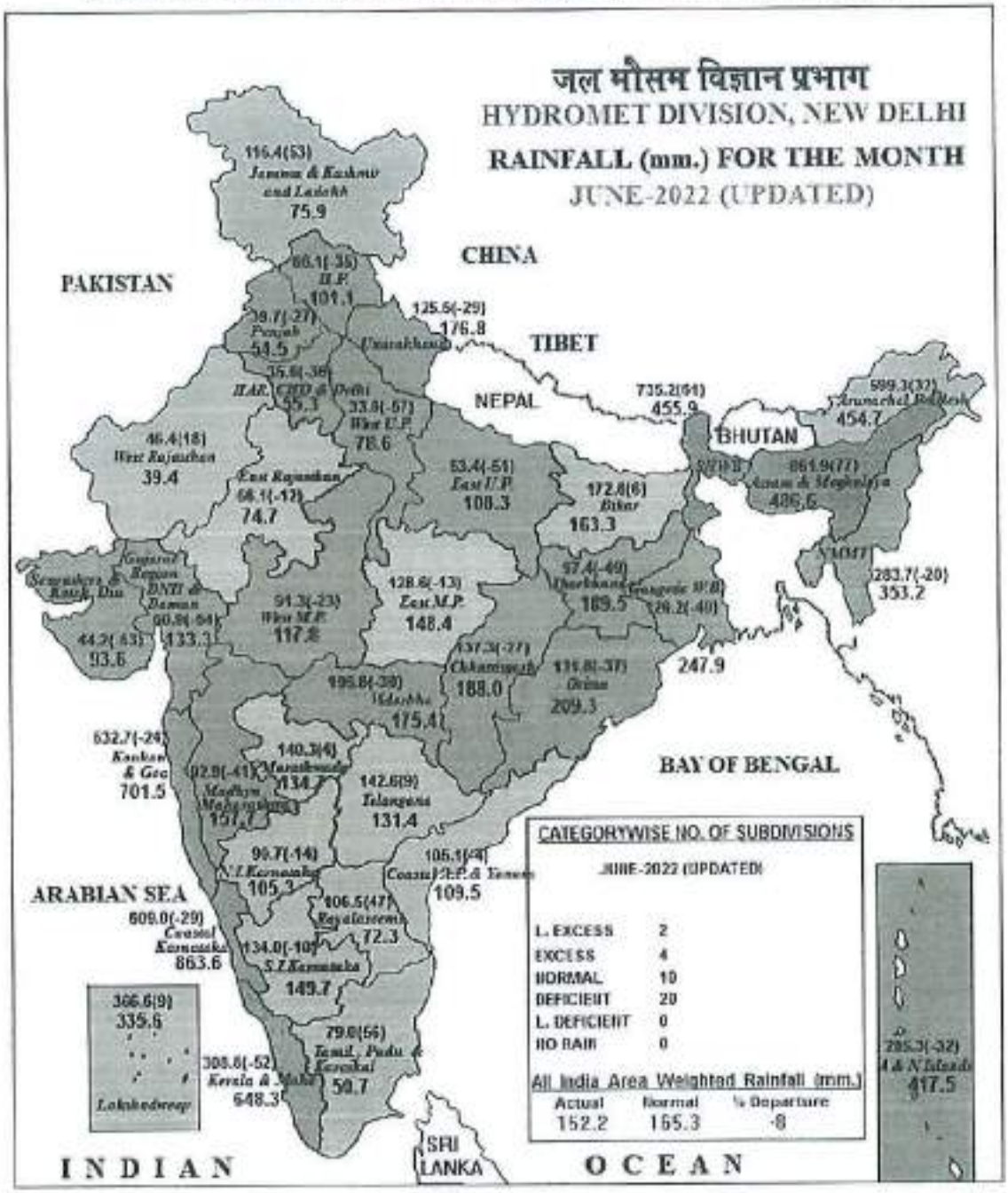
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INDIA METEOROLOGICAL DEPARTMENT

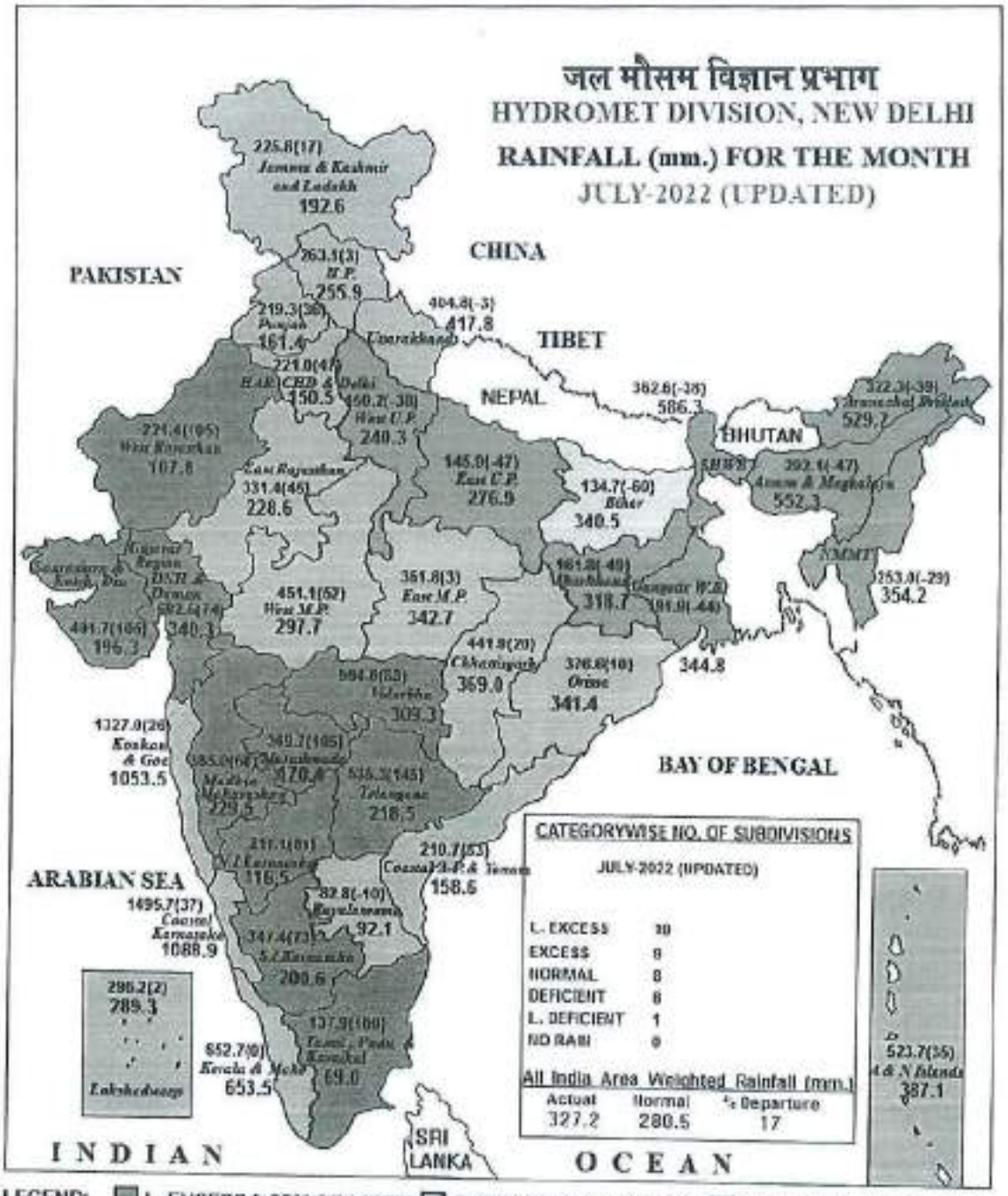


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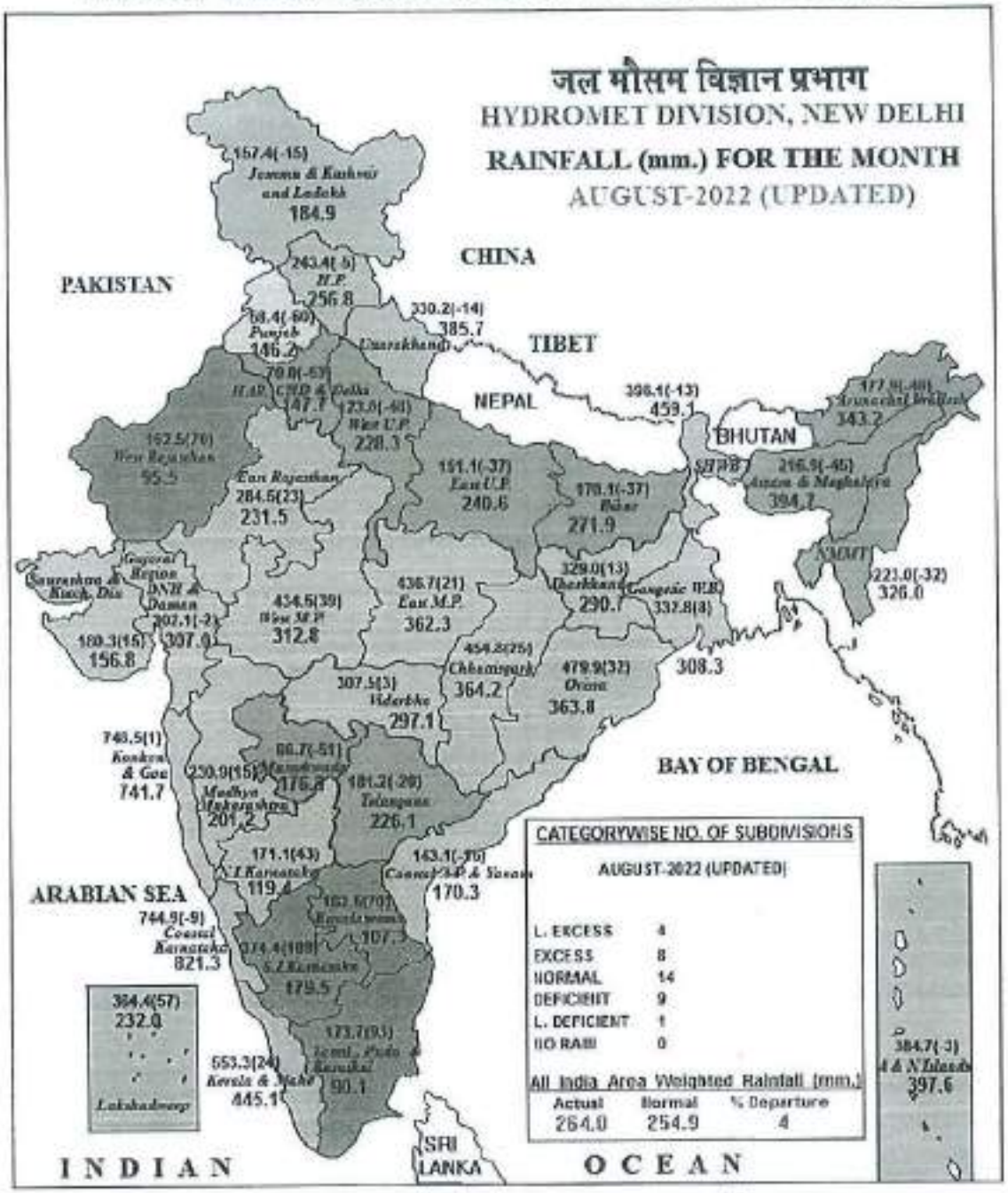
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INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग
HYDROMET DIVISION, NEW DELHI
RAINFALL (mm.) FOR THE MONTH
AUGUST-2022 (UPDATED)



CATEGORYWISE NO. OF SUBDIVISIONS
AUGUST-2022 (UPDATED)

L. EXCESS	4
EXCESS	8
NORMAL	14
DEFICIENT	9
L. DEFICIENT	1
NO RAIN	0

All India Area Weighted Rainfall (mm.)

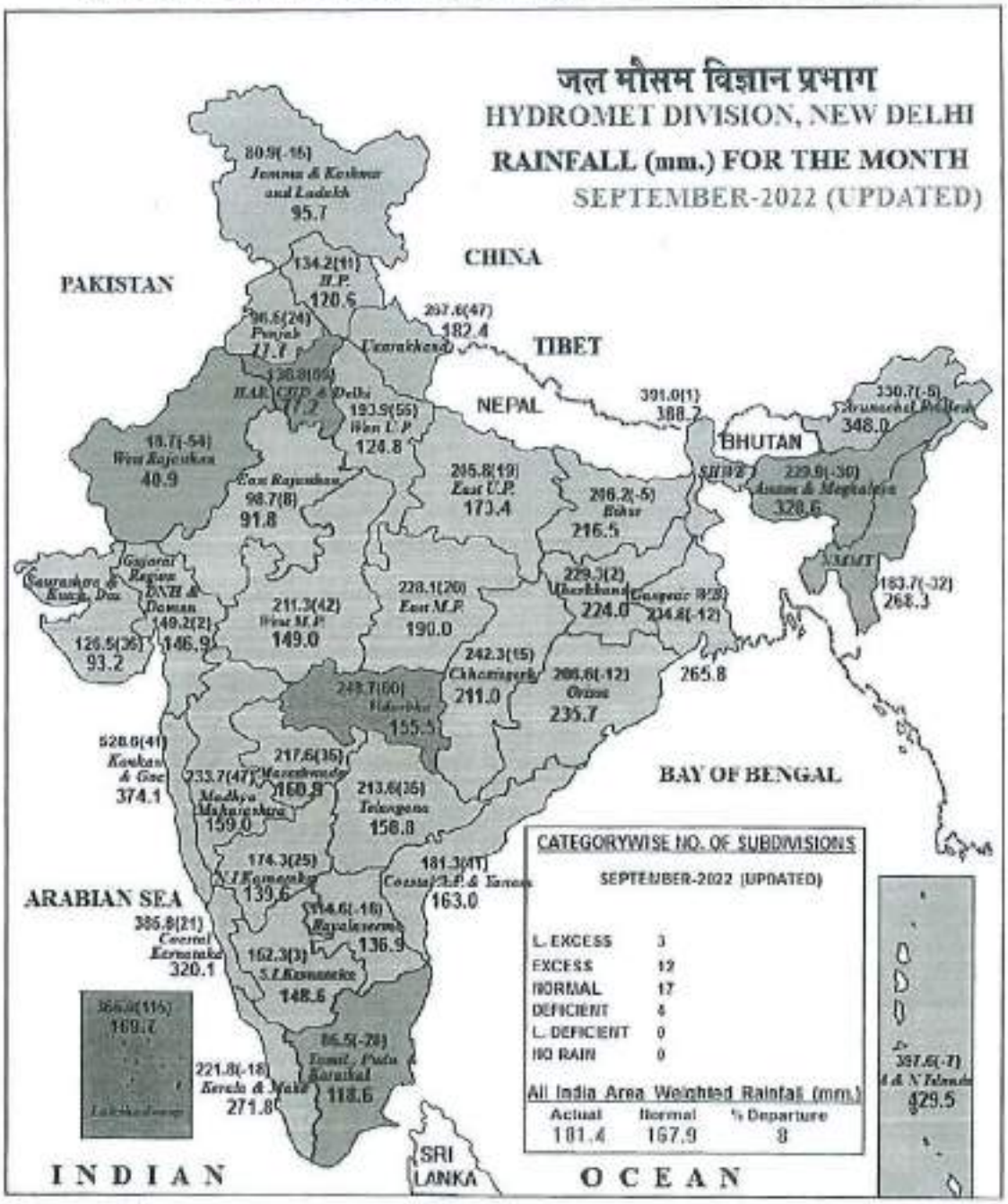
Actual	Normal	% Departure
264.0	254.9	4

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INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग
HYDROMET DIVISION, NEW DELHI
RAINFALL (mm.) FOR THE MONTH
SEPTEMBER-2022 (UPDATED)



CATEGORYWISE NO. OF SUBDIVISIONS
SEPTEMBER-2022 (UPDATED)

L. EXCESS	3
EXCESS	12
NORMAL	17
DEFICIENT	4
L. DEFICIENT	0
NO RAIN	0

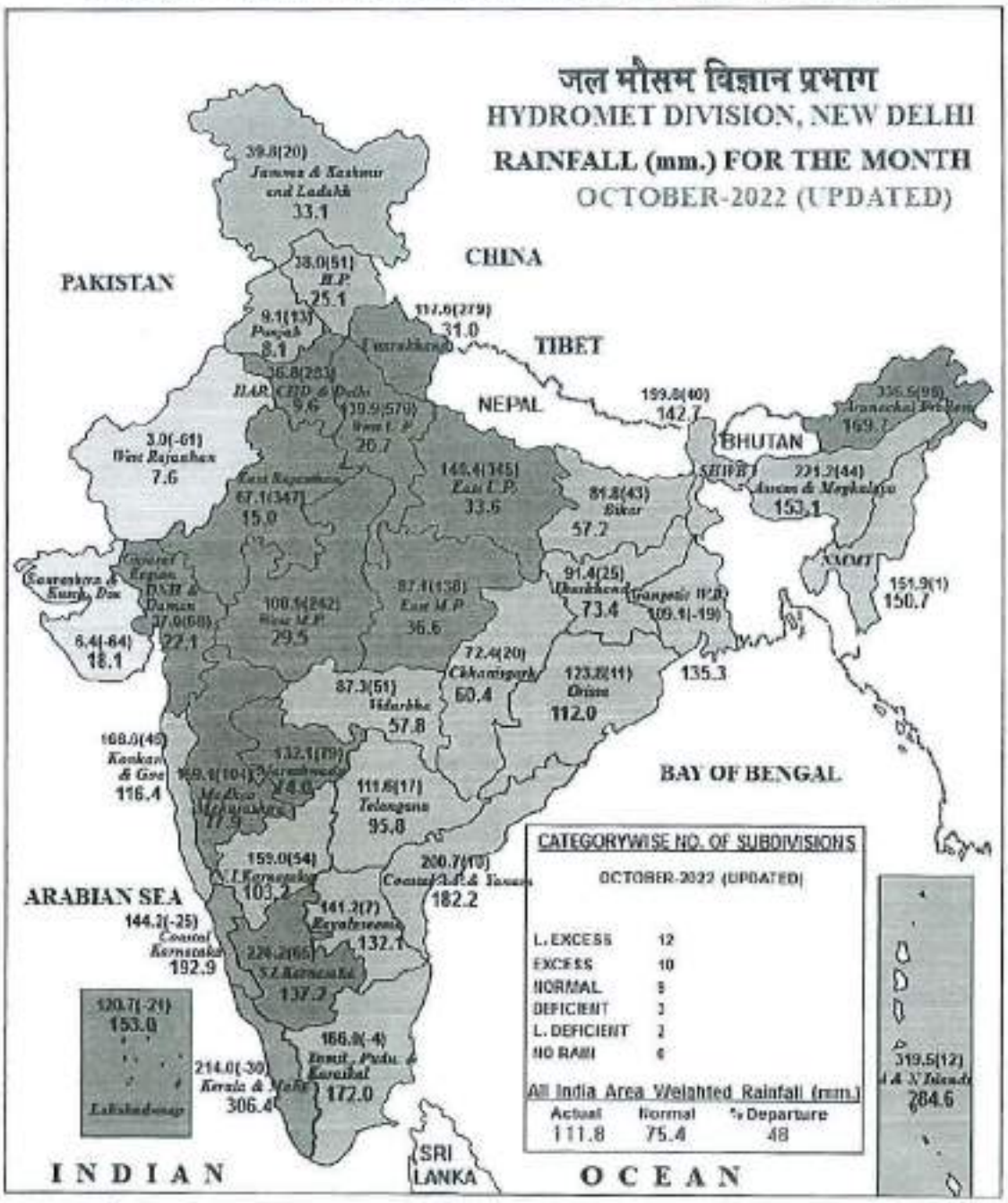
All India Area Weighted Rainfall (mm.)

Actual	Normal	% Departure
181.4	167.9	8

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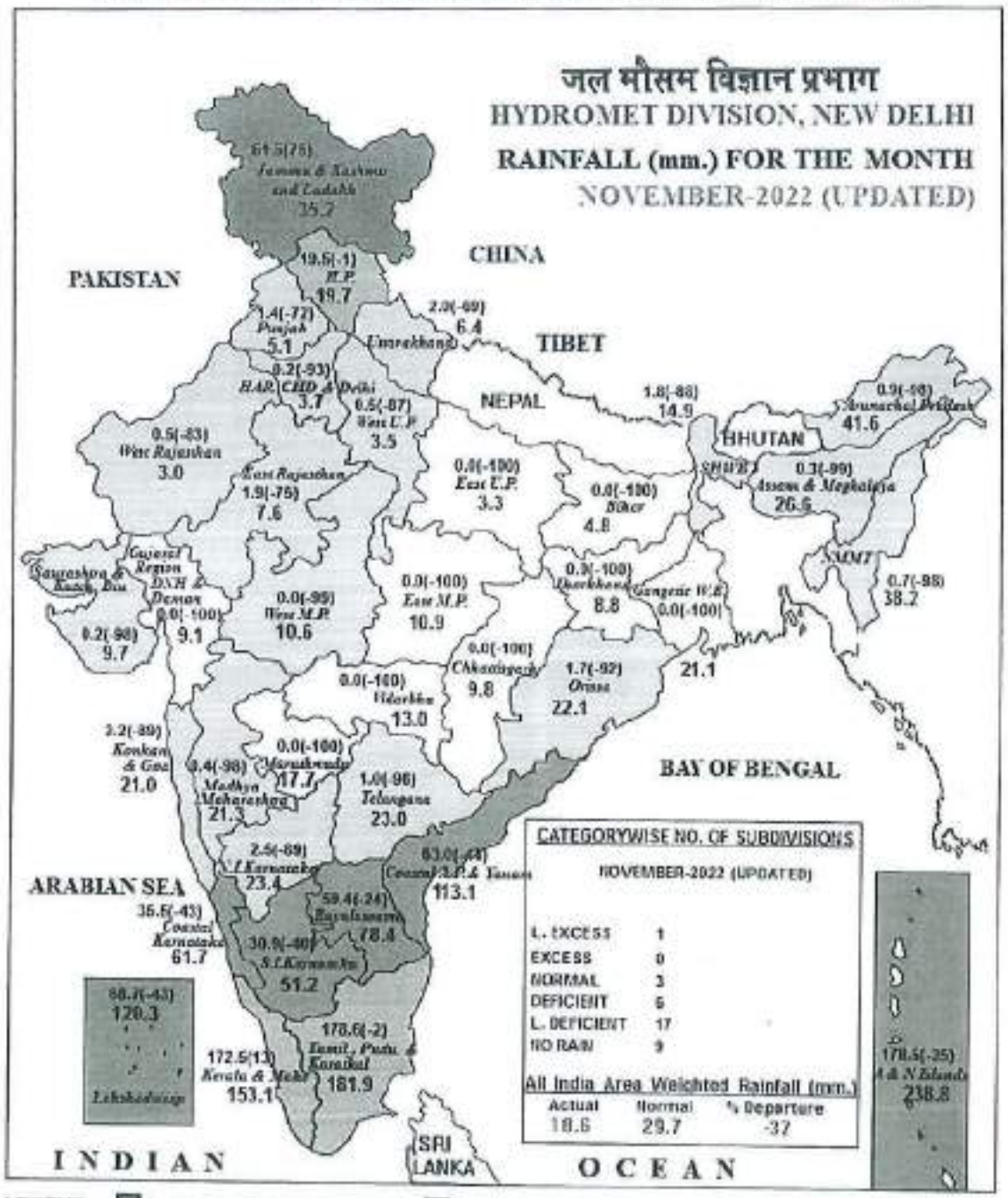
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INDIA METEOROLOGICAL DEPARTMENT



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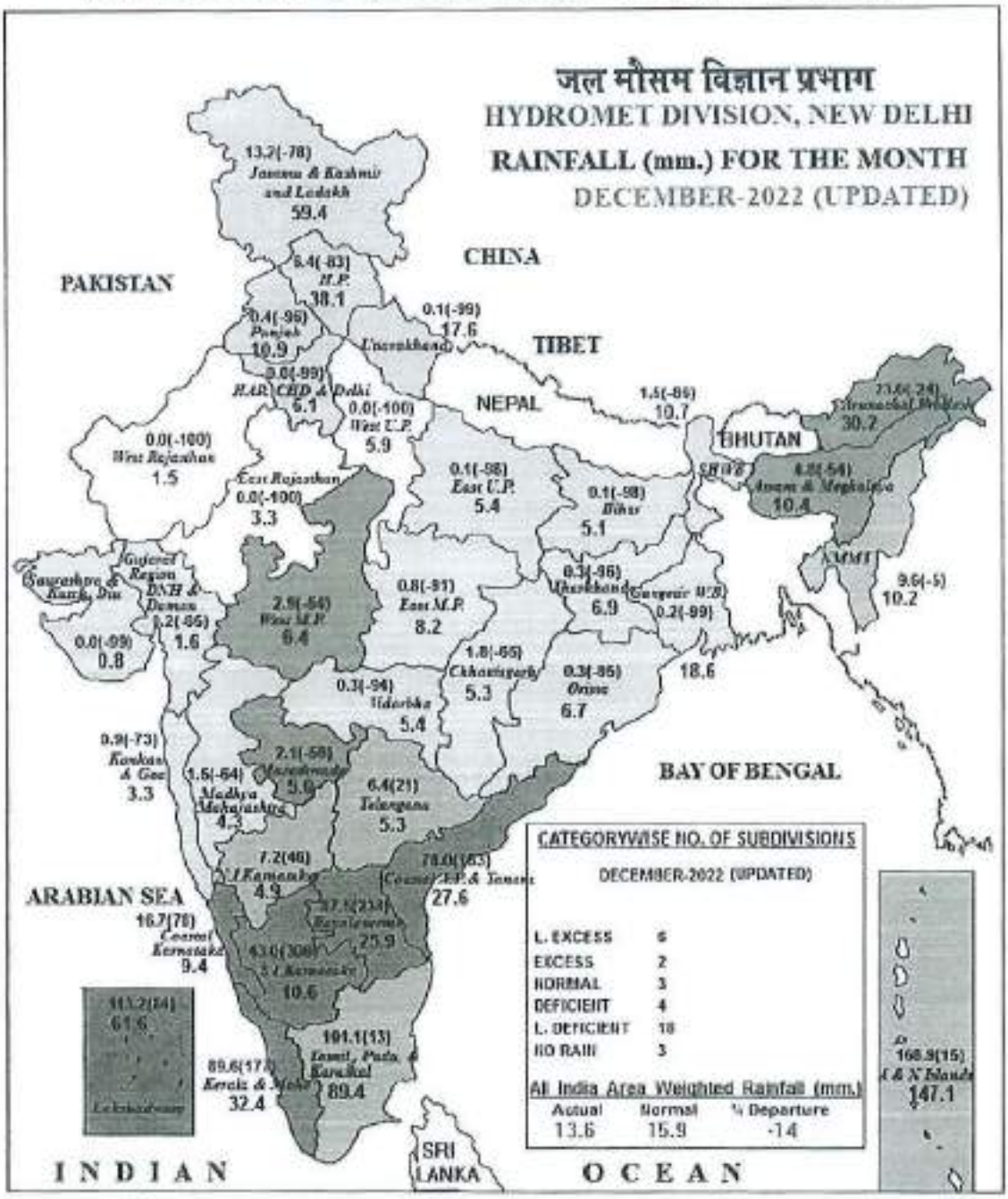
भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



NOTES:
[a] Rainfall figures are based on operational data.
[b] Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.) Percentage Departures of Rainfall are shown in Brackets.

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग
HYDROMET DIVISION, NEW DELHI
RAINFALL (mm.) FOR THE MONTH
DECEMBER-2022 (UPDATED)



CATEGORYWISE NO. OF SUBDIVISIONS
DECEMBER-2022 (UPDATED)

L. EXCESS	6
EXCESS	2
NORMAL	3
DEFICIEIT	4
L. DEFICIENT	18
NO RAIN	3

All India Area Weighted Rainfall (mm.)

Actual	Normal	% Departure
13.6	15.9	-14

LEGEND: L. EXCESS (+60% OR MORE) EXCESS (+20% TO +59%) NORMAL (+19% TO -19%)
DEFICIENT (-20% TO -59%) L. DEFICIENT (-60% TO -99%) NO RAIN (-100%) NO DATA

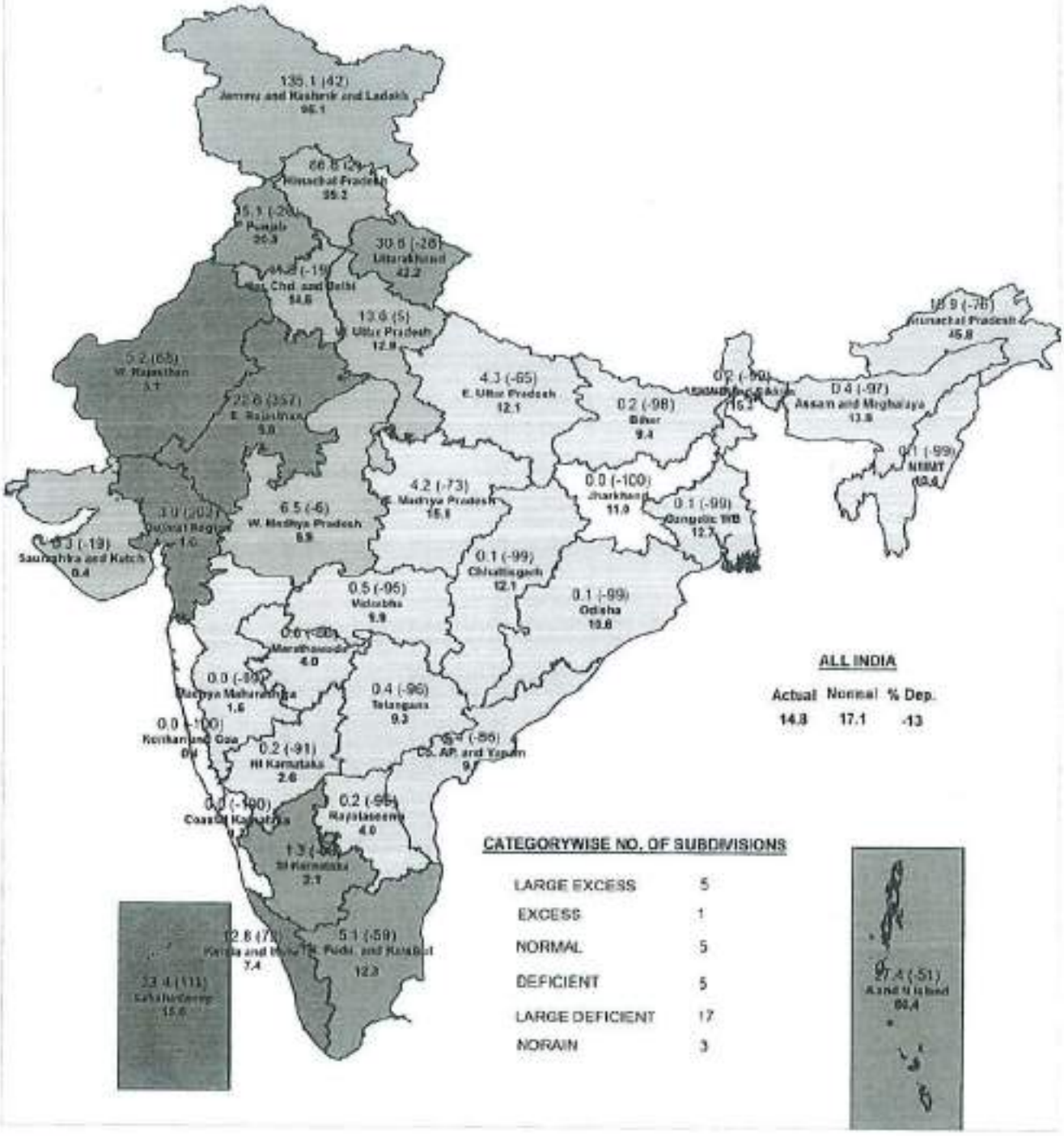
NOTES:
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Percentage Departures of Rainfall are shown in Brackets.

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-01-2023 To 31-01-2023 (UPDATED)



ALL INDIA

Actual	Normal	% Dep.
14.8	17.1	-13

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	5
EXCESS	1
NORMAL	5
DEFICIENT	5
LARGE DEFICIENT	17
NORAIN	3

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

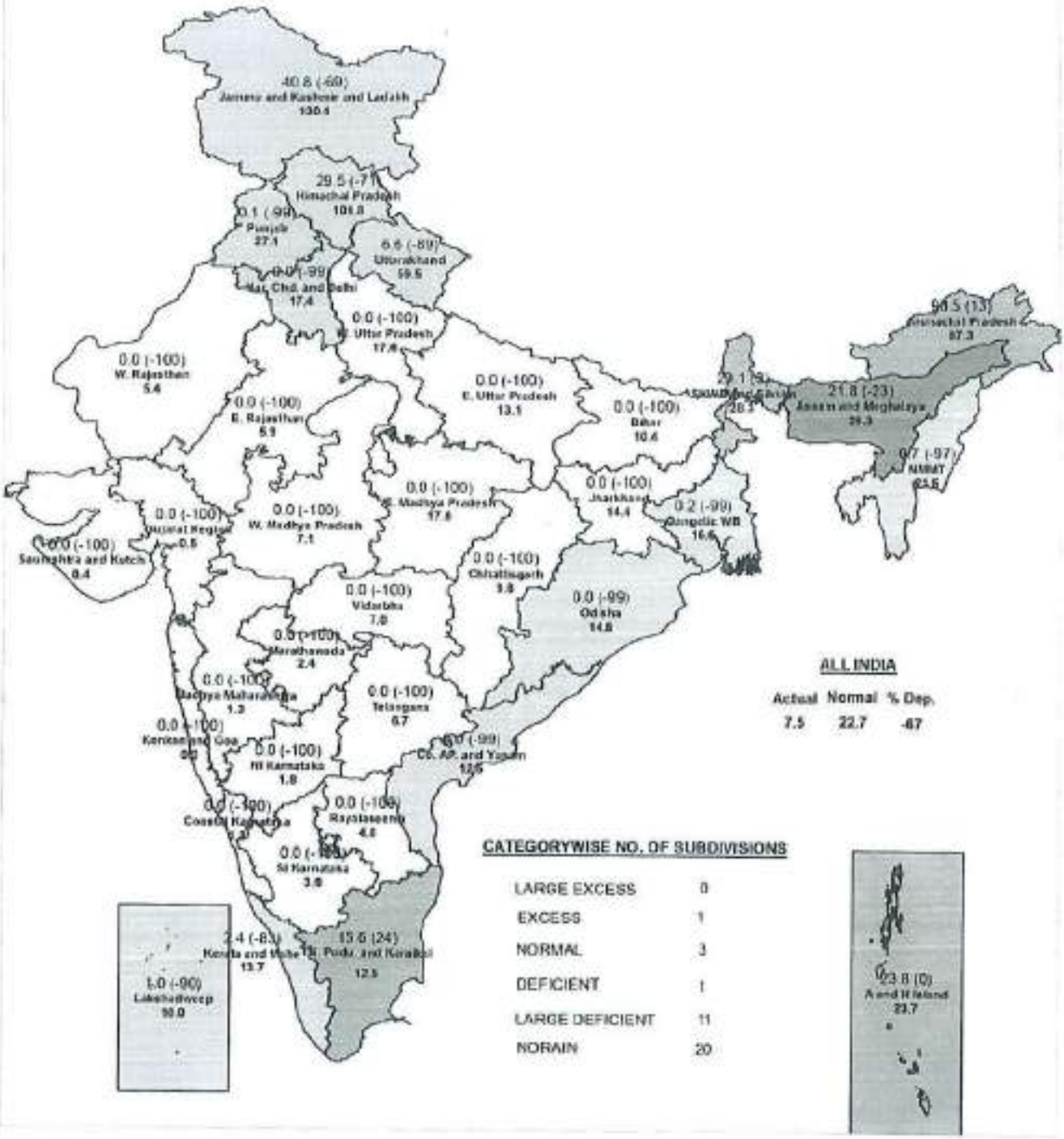
NOTES :
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-02-2023 To 28-02-2023 (UPDATED)



ALL INDIA

Actual	Normal	% Dep.
7.5	22.7	-67

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	0
EXCESS	1
NORMAL	3
DEFICIENT	1
LARGE DEFICIENT	11
NORAIN	20

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain (-100%) | No Data

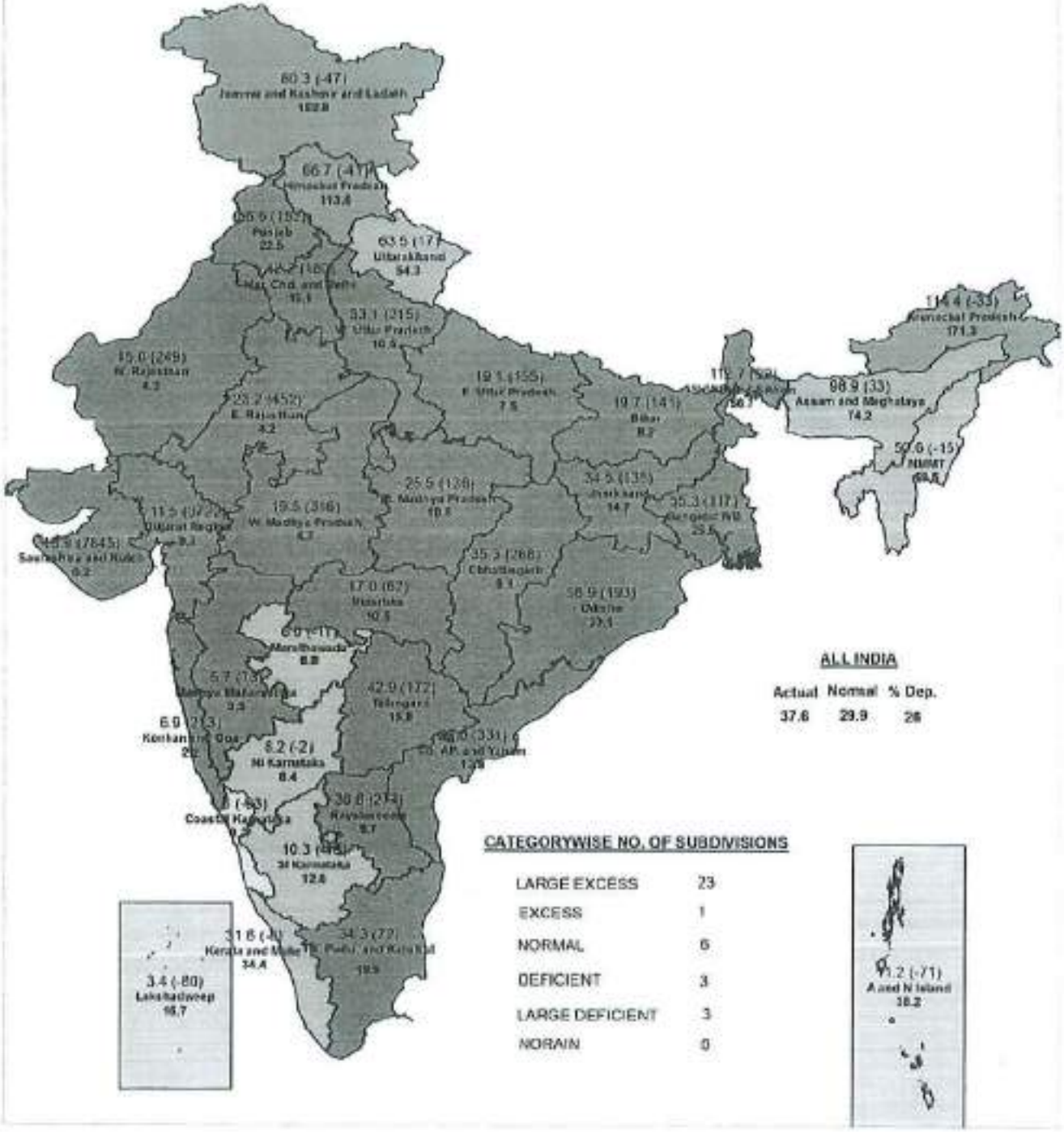
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान पभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-03-2023 To 31-03-2023



ALL INDIA

Actual	Normal	% Dep.
37.6	29.9	26

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	23
EXCESS	1
NORMAL	6
DEFICIENT	3
LARGE DEFICIENT	3
NORAIN	0

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain (-100%) | No Data

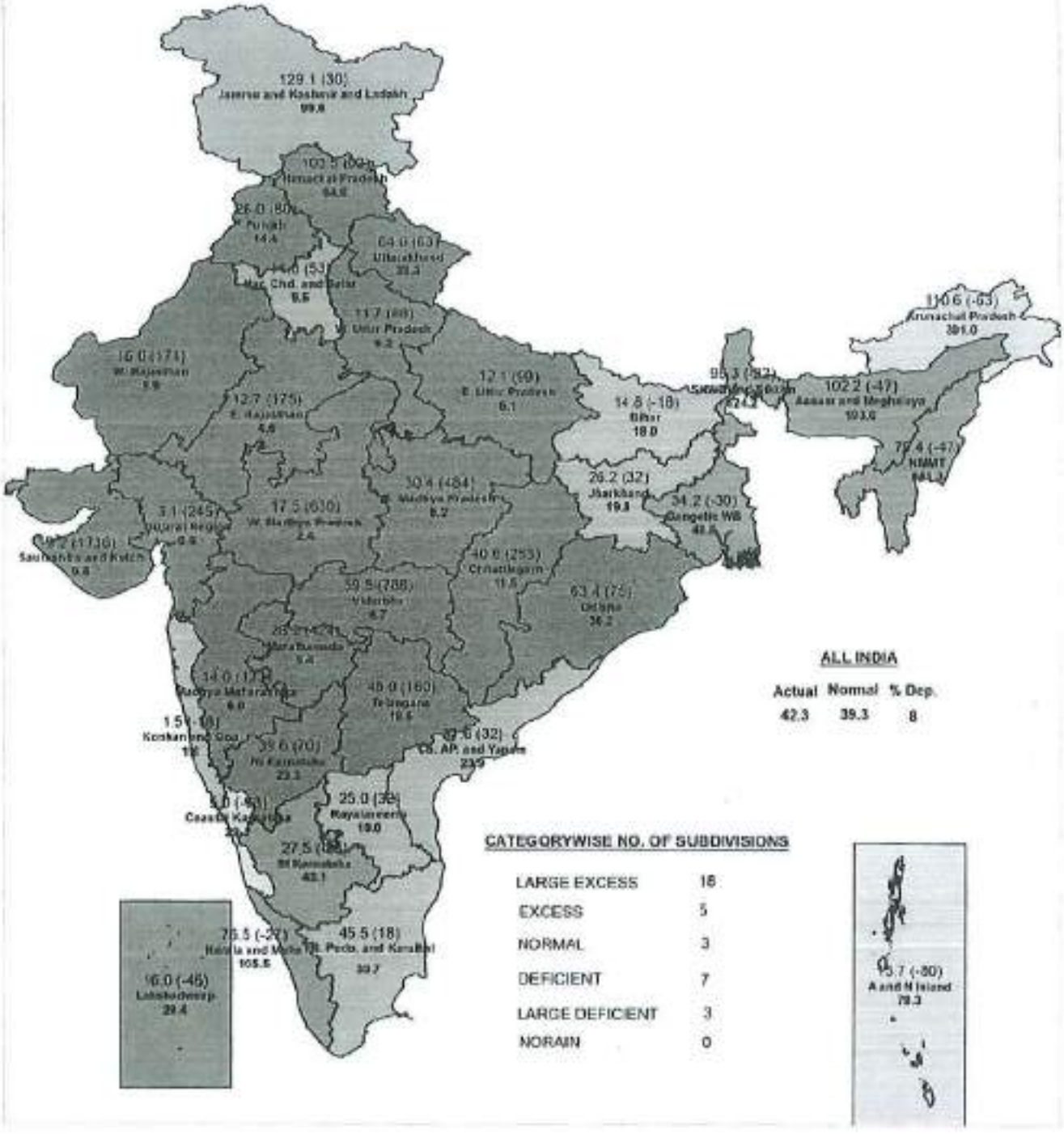
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-04-2023 To 30-04-2023 (UPDATED)



Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

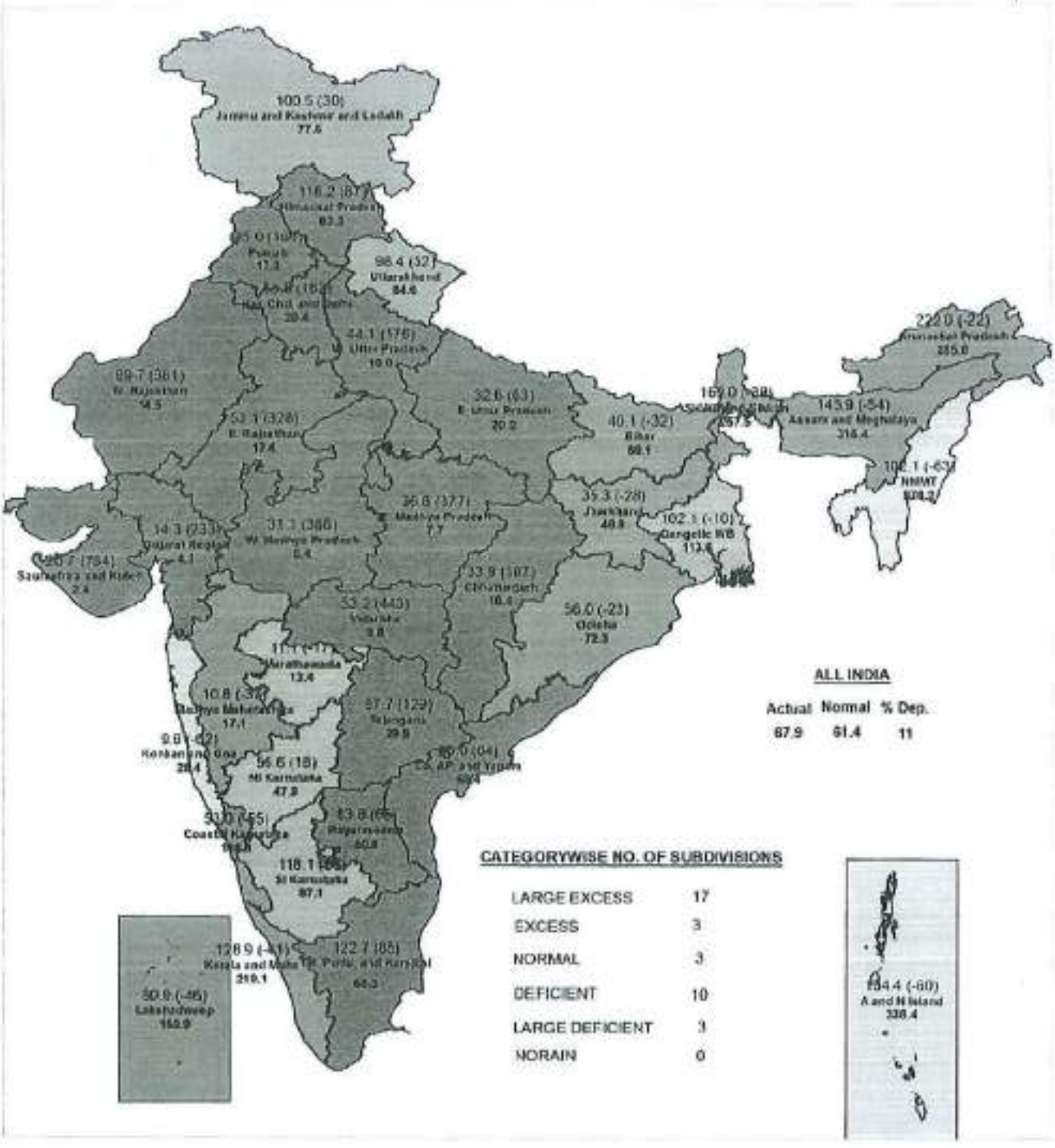
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-05-2023 To 31-05-2023 (PRELIM)



ALL INDIA

Actual	Normal	% Dep.
87.9	61.4	11

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	17
EXCESS	3
NORMAL	3
DEFICIENT	10
LARGE DEFICIENT	3
NORAIN	0

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

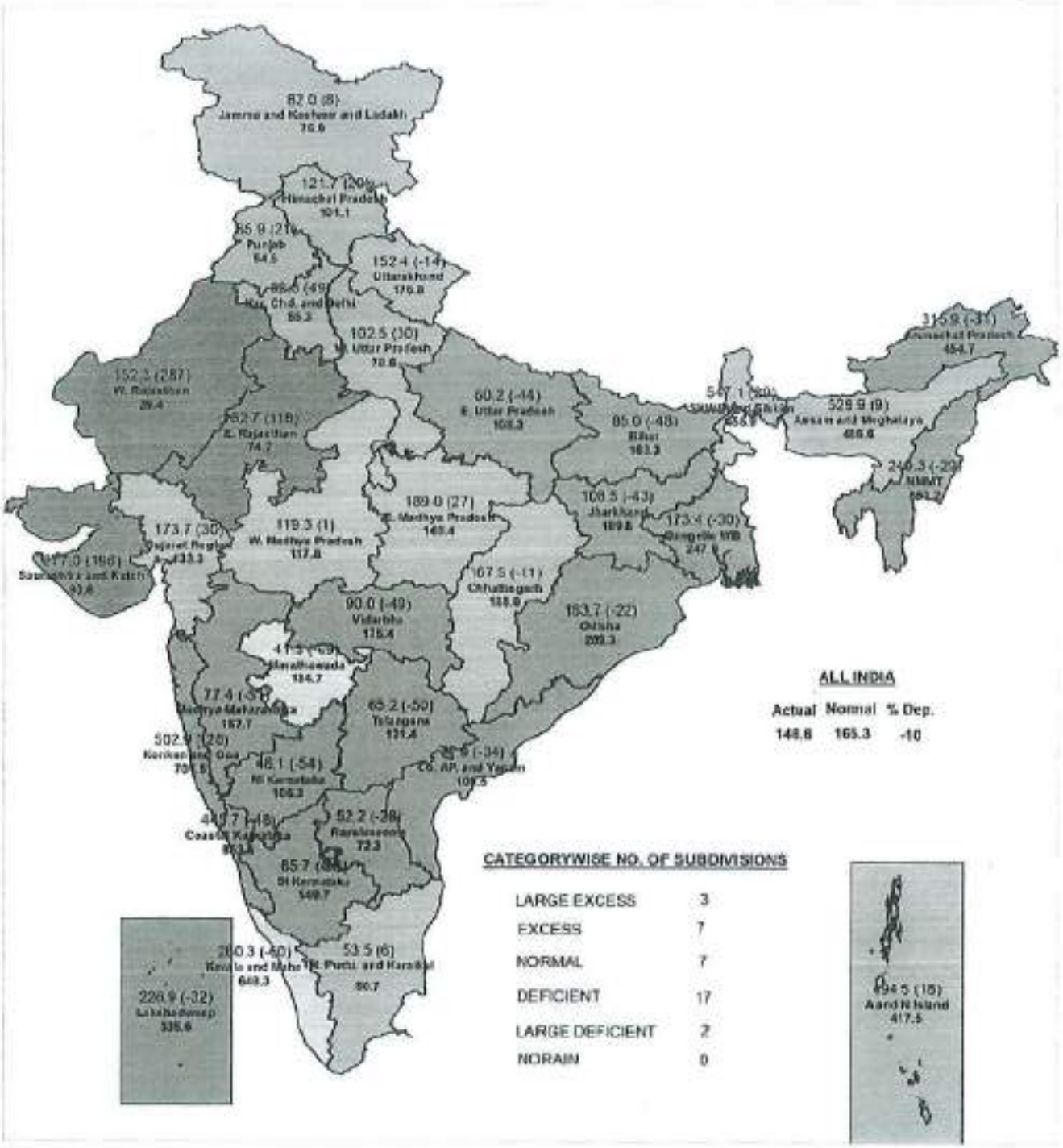
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-06-2023 To 30-06-2023 (REAL TIME)



Legend

Large Excess [60% or more] Excess [20% to 59%] Normal [-19% to 19%] Deficient [-59% to -20%] Large Deficient [-99% to -60%] No Rain [-100%] No Data

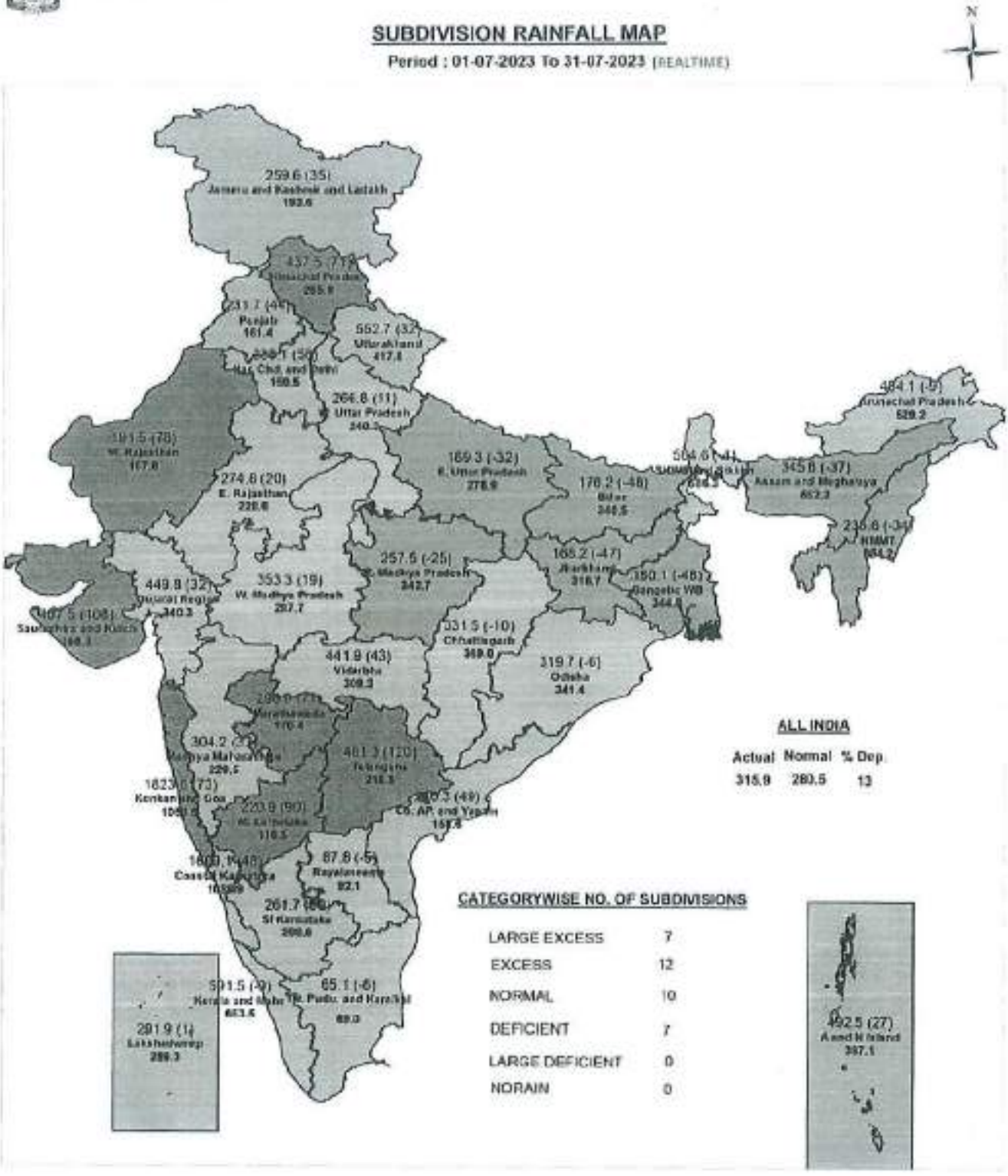
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-07-2023 To 31-07-2023 (REALTIME)



ALL INDIA

Actual	Normal	% Dep
315.9	280.5	13

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	7
EXCESS	12
NORMAL	10
DEFICIENT	7
LARGE DEFICIENT	0
NORAIN	0

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

NOTES :

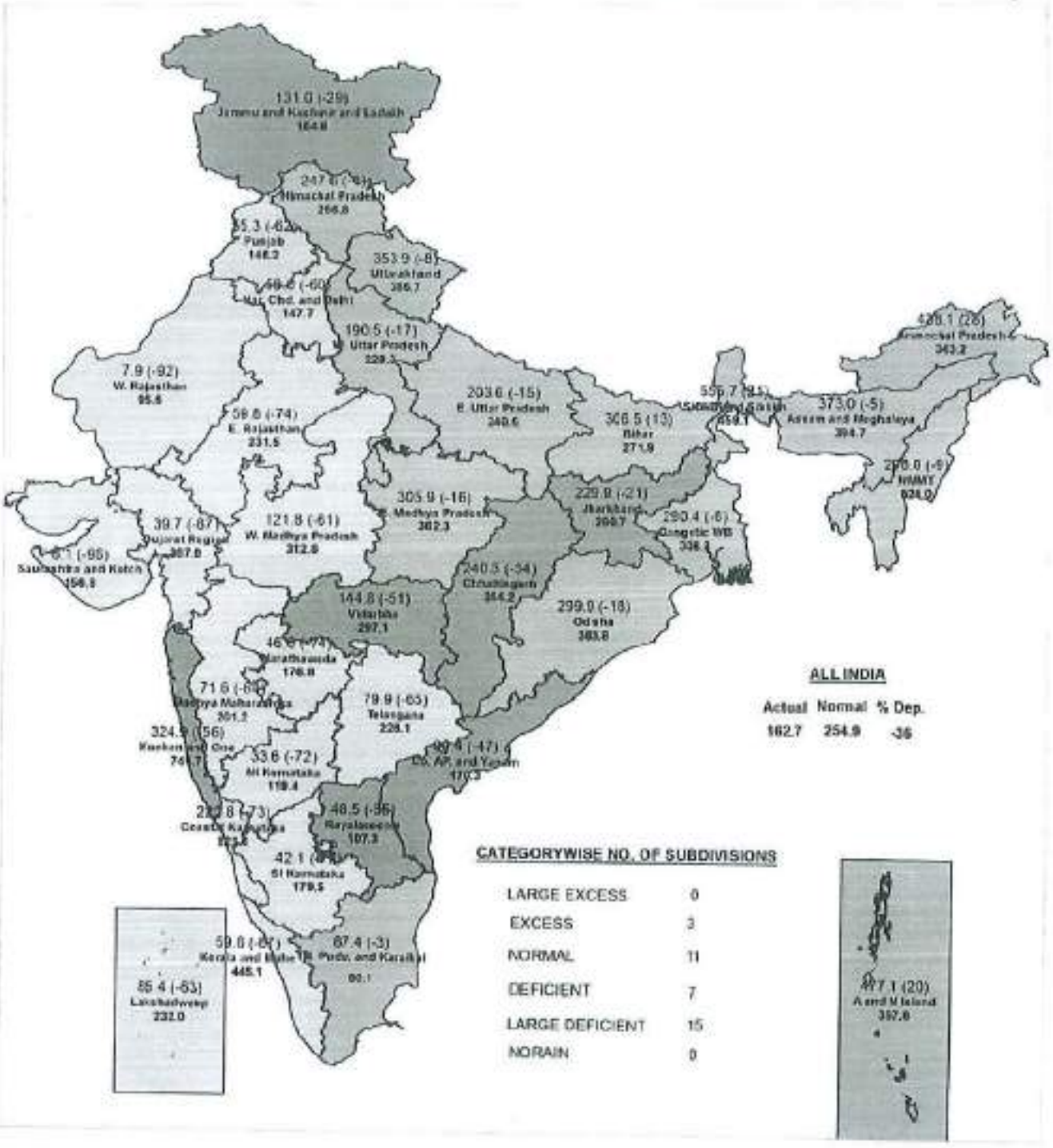
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-08-2023 To 31-08-2023 (REALTIME)



Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

NOTES :

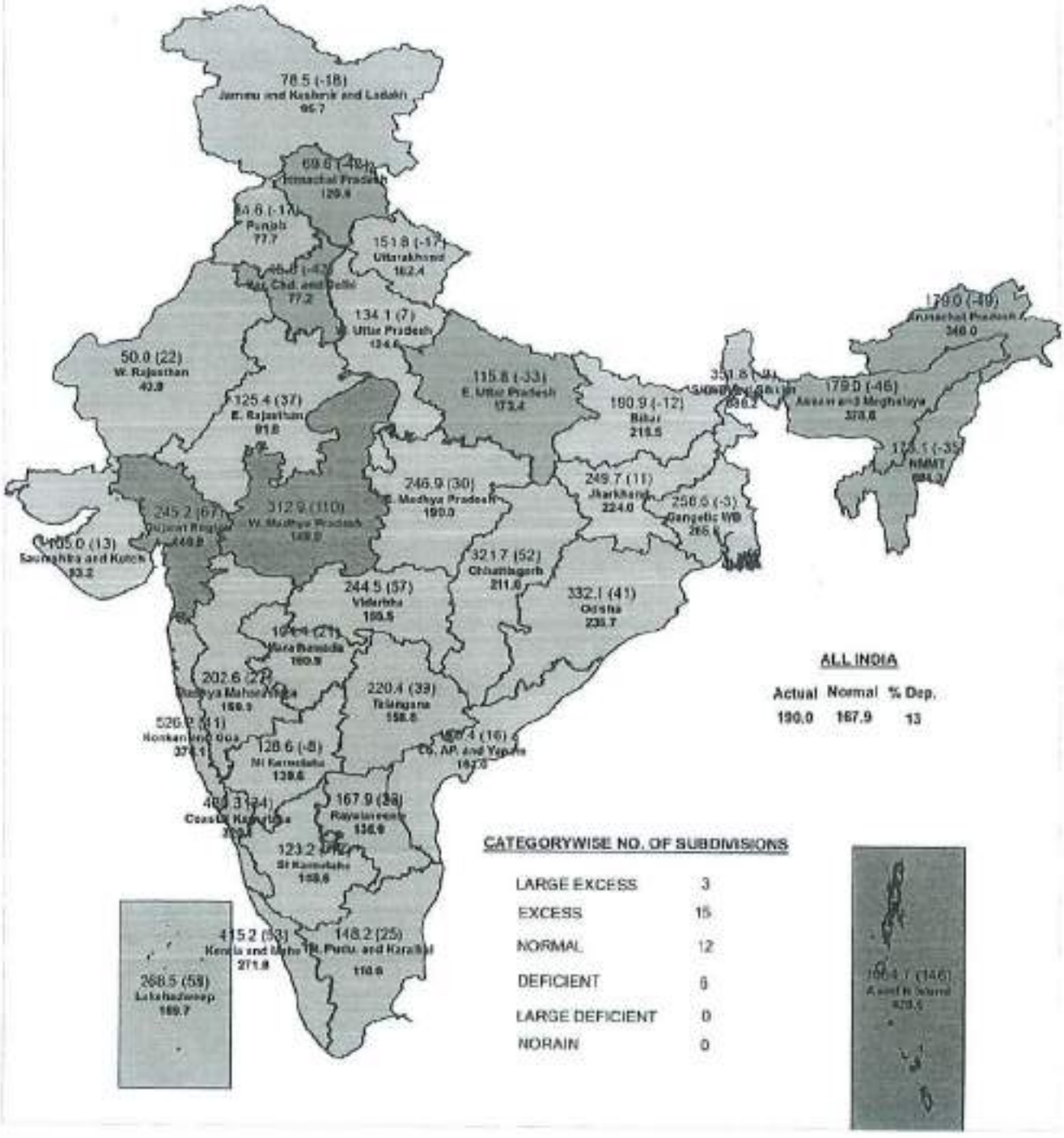
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-09-2023 To 30-09-2023 [REALTIME]



ALL INDIA

Actual	Normal	% Dep.
190.0	167.9	13

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	3
EXCESS	15
NORMAL	12
DEFICIENT	0
LARGE DEFICIENT	0
NORAIN	0

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

NOTES :

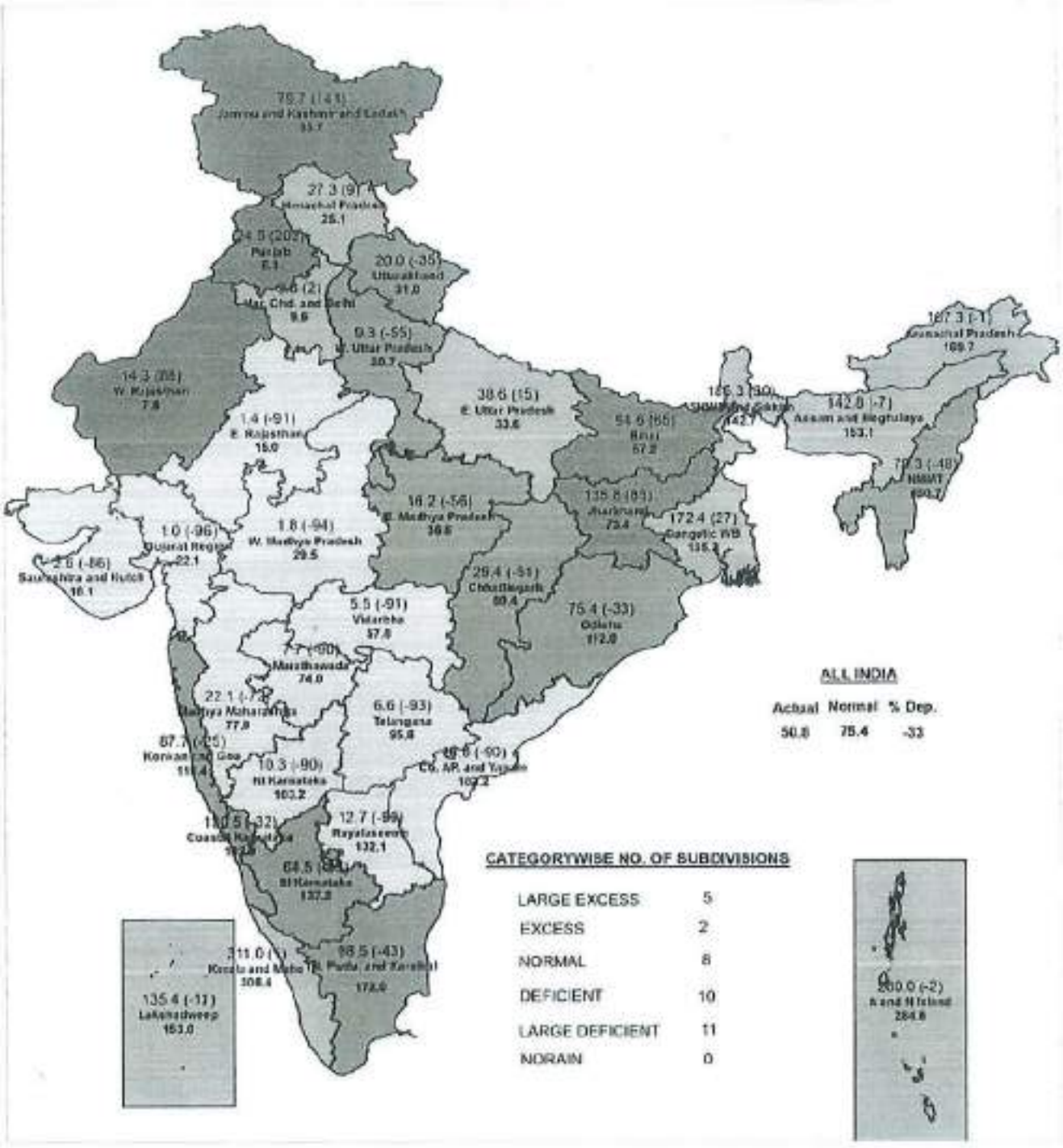
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-10-2023 To 31-10-2023 (REAL TIME)



Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

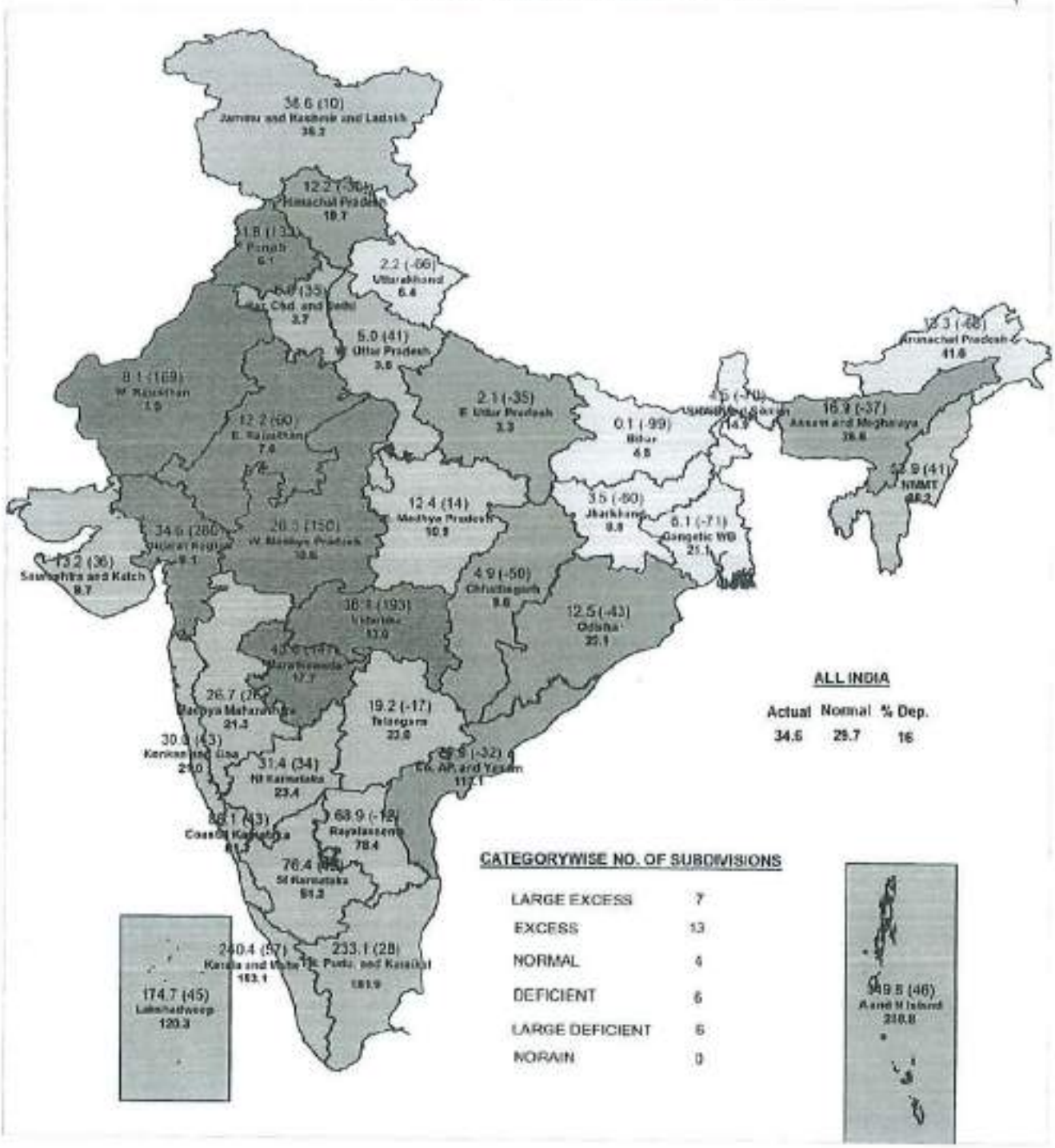
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान पभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-11-2023 To 30-11-2023 (REAL TIME)



ALL INDIA

Actual	Normal	% Dep.
34.6	29.7	16

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	7
EXCESS	13
NORMAL	4
DEFICIENT	6
LARGE DEFICIENT	6
NORAIN	0

Legend

Large Excess (60% or more) | Excess (20% to 59%) | Normal (-19% to 19%) | Deficient (-59% to -20%) | Large Deficient (-99% to -60%) | No Rain (-100%) | No Data

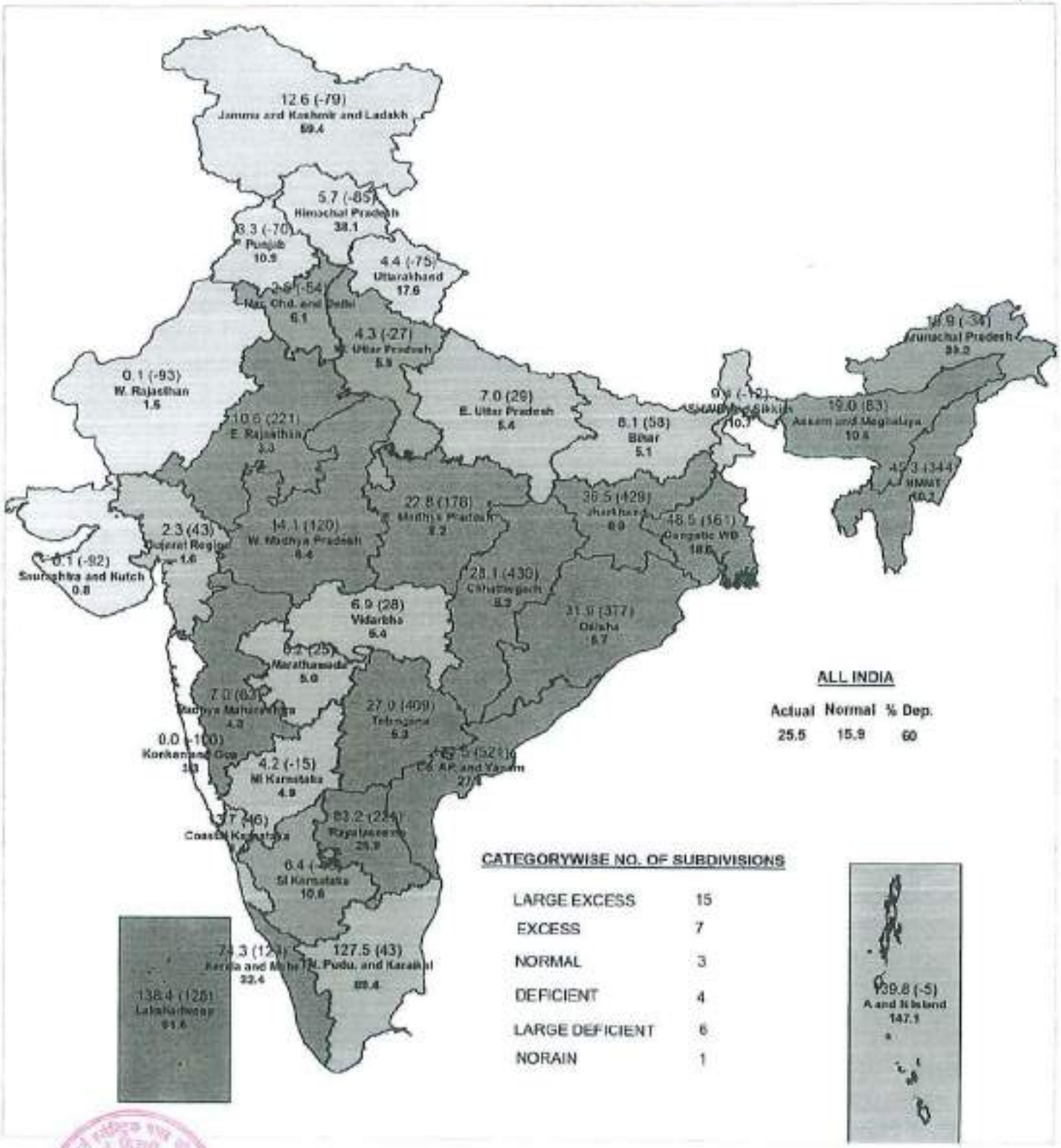
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-12-2023 To 31-12-2023 (UPDATED)



ALL INDIA

Actual	Normal	% Dep.
25.5	15.9	60

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	15
EXCESS	7
NORMAL	3
DEFICIENT	4
LARGE DEFICIENT	6
NORAIN	1

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

NOTES :

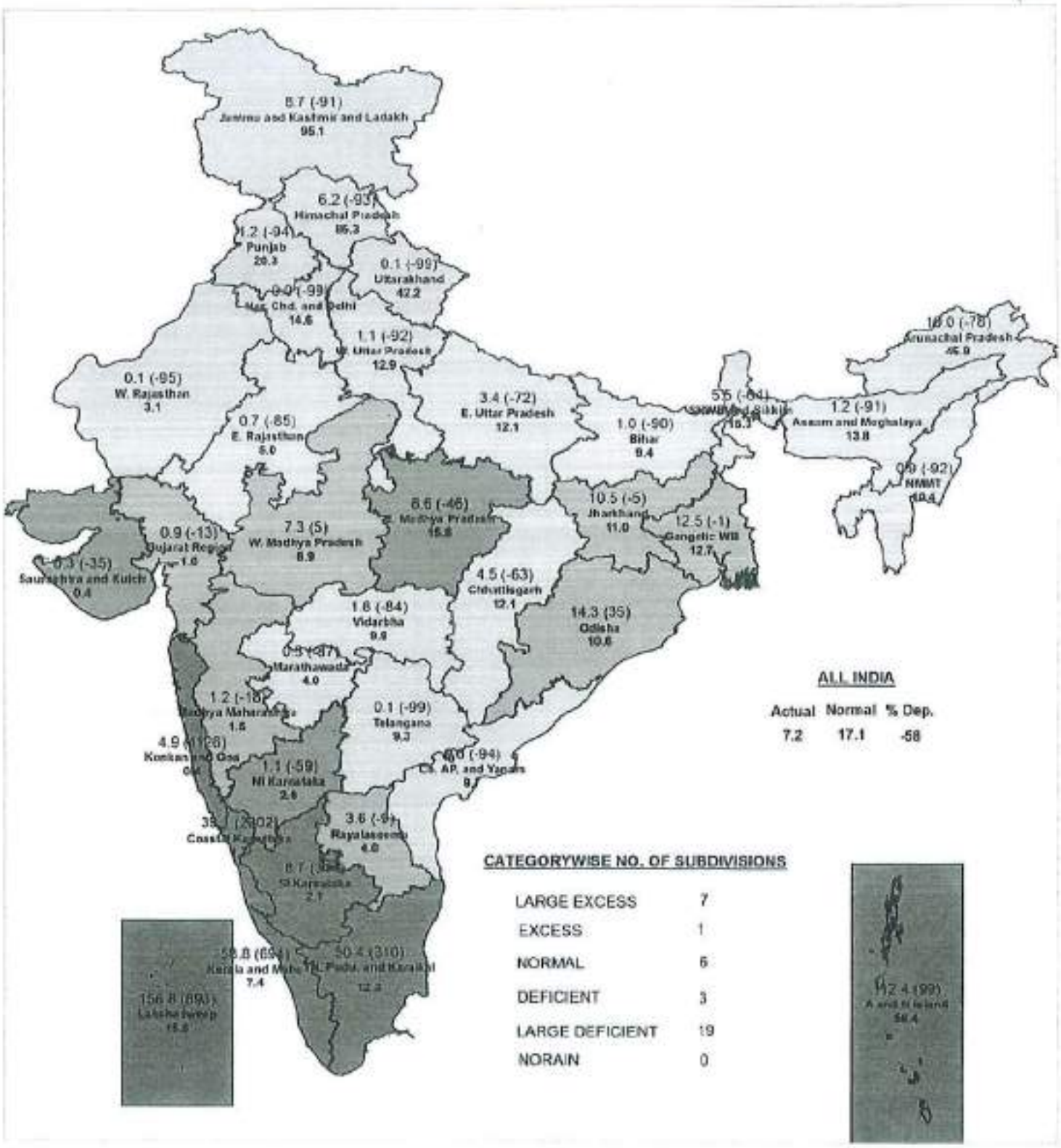
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-01-2024 To 31-01-2024 (REAL TIME)



ALL INDIA

Actual	Normal	% Dep.
7.2	17.1	-58

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	7
EXCESS	1
NORMAL	6
DEFICIENT	3
LARGE DEFICIENT	19
NORAIN	0

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

NOTES :

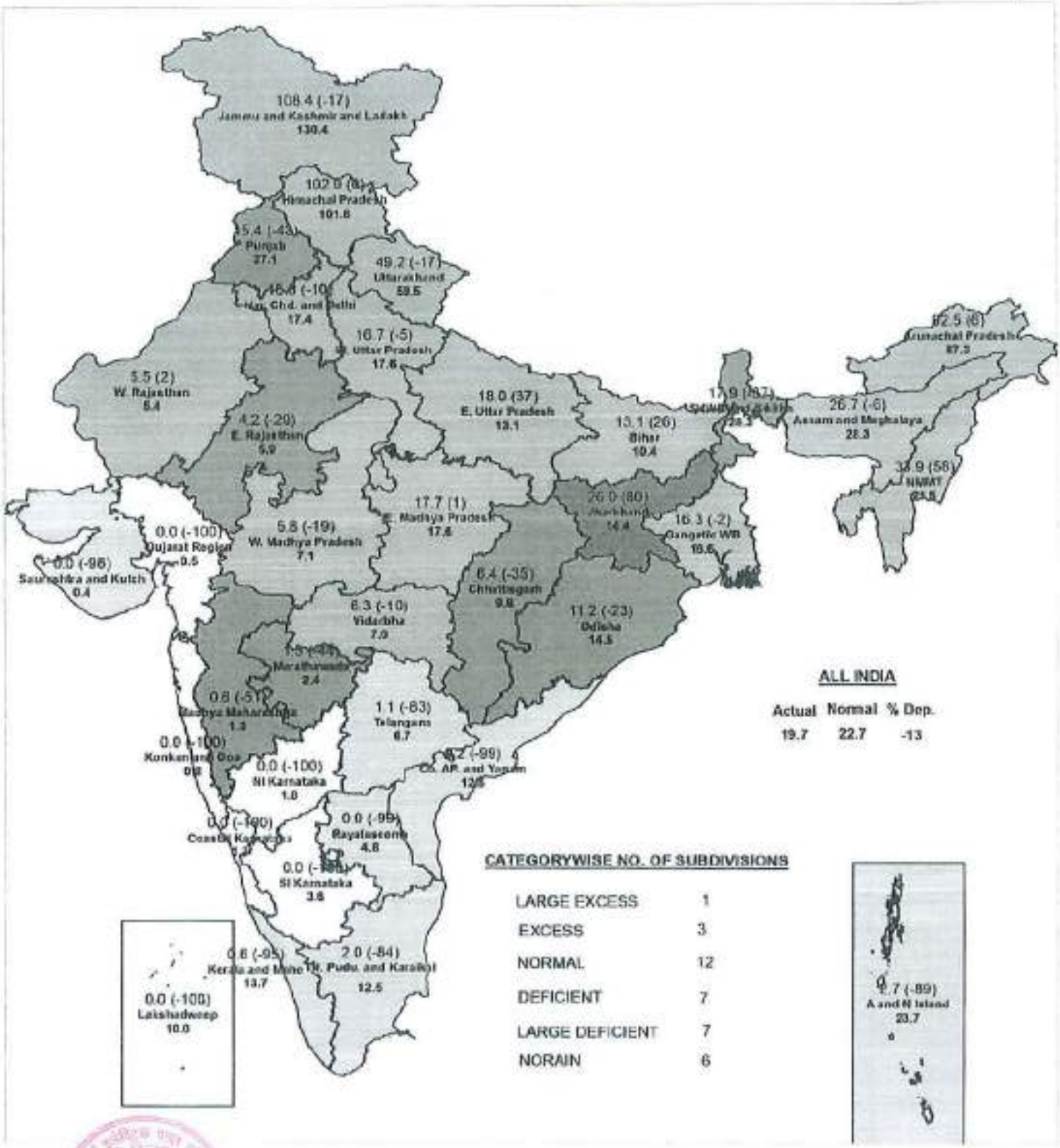
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-02-2024 To 29-02-2024 (REAL TIME)



ALL INDIA

Actual	Normal	% Dep.
19.7	22.7	-13

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	1
EXCESS	3
NORMAL	12
DEFICIENT	7
LARGE DEFICIENT	7
NORAIN	6

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No Data

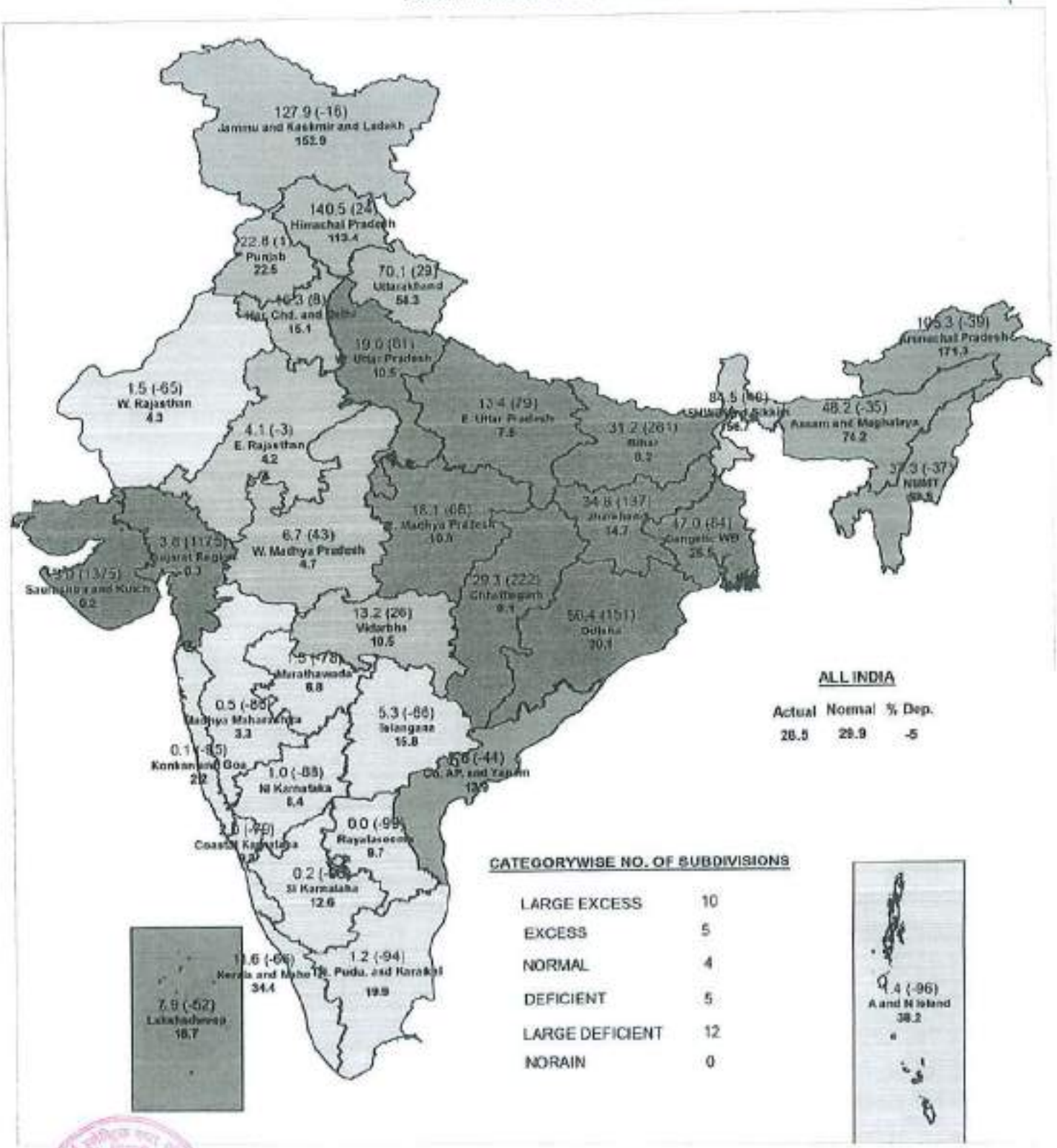
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भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

SUBDIVISION RAINFALL MAP

Period : 01-03-2024 To 31-03-2024 (REAL TIME)



ALL INDIA

Actual	Normal	% Dep.
26.5	28.9	-5

CATEGORYWISE NO. OF SUBDIVISIONS

LARGE EXCESS	10
EXCESS	5
NORMAL	4
DEFICIENT	5
LARGE DEFICIENT	12
NORAIN	0

Legend

Large Excess [60% or more] | Excess [20% to 59%] | Normal [-19% to 19%] | Deficient [-59% to -20%] | Large Deficient [-99% to -60%] | No Rain [-100%] | No D

NOTES :

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ANNEXURE – I

CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

No.L-1/268/2022/CERC Dated 15th March, 2024

(NOTIFICATION)

In the exercise of powers conferred under section 178 of the Electricity Act, 2003 (36 of 2003) read with Section 61 thereof and all other powers enabling it in this behalf, and after previous publication, the Central Electricity Regulatory Commission hereby makes the following regulations, namely:

CHAPTER – 1

PRELIMINARY

1. **Short title and commencement.** (1) These regulations may be called the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.

(2) These regulations shall come into force on 1.4.2024, and, unless reviewed earlier or extended by the Commission, shall remain in force for a period of five years from 1.4.2024 to 31.3.2029:

Provided that where a generating station or unit thereof and transmission system or an element thereof, has been declared under commercial operation before the date of commencement of these regulations and whose tariff has not been finally determined by the Commission till that date, tariff in respect of such generating station or unit thereof and transmission system or an element thereof for the period ending 31.3.2024 shall be determined in accordance with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 as amended from time to time.

(5) The energy charge shall be payable by every beneficiary for the total energy scheduled to be supplied to the beneficiary, excluding free energy, if any, during the calendar month, on the ex-bus basis, at the computed energy charge rate. The total energy charge payable to the generating company for a month shall be:

Energy Charges = (Energy charge rate in Rs. / kWh) x {Scheduled energy (ex-bus) for the month in kWh) x (100 – FEHS) / 100

(6) Energy charge rate (ECR) in Rupees per kWh on ex-power plant basis, for a hydro generating station, shall be determined up to three decimal places based on the following formula, subject to the provisions of clause (8) of this Regulation:

ECR = AFC x 0.5 x 10 / {DE x (100 – AUX) x (100 – FEHS)}

Where,

DE = Annual design energy specified for the hydro generating station, in MWh, subject to the provision in clause (7) below.

FEHS = Free energy for home State, in per cent, as mentioned in EXPLANATION-III under Regulation 76 of these regulations.

(7) In case the saleable scheduled energy (ex-bus) of a hydro generating station during a year is less than the saleable design energy (ex-bus) for reasons beyond the control of the generating station, the generating station may directly recover the shortfall in energy charges in six equal interest-free monthly instalments after adjusting for DSM Energy in the immediately following year and shall be subject to truing up at the end of the tariff period.

Provided that in case actual generation from a hydro generating station is less than the design energy for a continuous period of four years on account of hydrology factor, the generating



station shall approach the Central Electricity Authority with relevant hydrology data for revision of design energy of the station.

(8) Any shortfall in the energy charges on account of saleable scheduled energy (ex-bus) being less than the saleable design energy (ex-bus) during the tariff period 2019-24, which was beyond the control of the generating station and which could not be recovered during the said tariff period shall be recovered in accordance with clause (7) of this Regulation.

(9) In case the energy charge rate (ECR) for a hydro generating station, computed as per clause (5) of this Regulation exceeds one hundred and thirty paise per kWh, and the actual saleable energy in a year exceeds {DE x (100- AUX) x (100 - FEHS) /10000} MWh, the energy charge for the energy in excess of the above shall be billed at one hundred and thirty paise per kWh only.

(10) In addition to the above, an incentive shall be payable to a ROR Hydro generating station @ 50 paise/ kWh corresponding to the saleable scheduled energy during peak hours of the day in excess of average saleable scheduled energy during the day (24 hours).

66. **Computation and Payment of Capacity Charge and Energy Charge for Pumped Storage Hydro Generating Stations:**

(1) The fixed cost of a pumped storage hydro generating station shall be computed on an annual basis, based on norms specified under these regulations, and recovered on a monthly basis as a capacity charge. The capacity charge shall be payable by the beneficiaries in proportion to their respective allocation in the saleable capacity of the generating station;

Provided that during the period between the date of commercial operation of the first unit of the generating station and the date of commercial operation of the generating station, the annual fixed cost shall be worked out based on the latest estimate of the completion cost for the generating station, for the purpose of determining the capacity charge payment during such period.

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