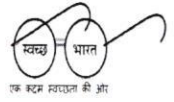




ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
Miniratna Category-I

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड  
*North Eastern Electric Power Corporation Limited*  
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)  
135 मे.वा. अगरतला गैस टरबाइन कंबाईंड साइकिल पावर प्लांट  
*135 MW Agartala Gas Turbine Combined Cycle Power Plant*  
अनुबंध एवं प्रापण, क्यू.एस.एच.ई. एवं जोखिम प्रकोष्ठ / Contract & Procurement : QSH & Risk Cell  
रामचन्द्र नगर, त्रिपुरा (प) / Ramchandra Nagar, Tripura (W) - 799008



**SECTION - I**

**NOTICE INVITING TENDER (E-TENDER)**

**e-NIT No. 19 /NEEPCO /AGTCCPP /C&P /2021-22 Dated 23.06.2021**

North Eastern Electric Power Corporation Limited (NEEPCO) invites online tenders under the two bid (Single-Stage Two-Envelope) Tendering system with 120 (One Hundred Twenty) days validity from reputed manufacturers, authorized dealer for following "Technical Design, Supply, Installation, Testing, Commissioning of the Online Water Flow Meter and Water Level Monitoring equipments with Telemetry system " for 135 MW\_Agartala Gas Turbine Combined Cycle Power Plant (AGTCCPP), NEEPCO Ltd., Ramchandranagar, Tripura (West). Detailed Tender Document containing Terms and Conditions for Bidding including Qualifying Requirement (Section I, II, III), can be down loaded from NEEPCO's online portal <https://etenders.gov.in>

Sl. No.	Item Description	Quantity
1.	Pizometric level Indicator	2 Nos.
2.	Extra Cable 10 meters of each level indicator	20 Mtr.
3.	Electromagnetic flow meter size: 80mm	4 Nos.
4.	Electromagnetic flow meter size: 100mm	6 Nos.
5.	Modem/ Logger for Data Transfer Via Telemetry with IP65 box for outdoor installation	12 Nos.
6.	Data Transfer Charges for first year per instrument/station/year (including supply of mobile Sim and data recharge)	12 Nos.

**SCHEDULE**

1.	Name of Work	Technical Design, Supply, Installation, Testing, Commissioning of the Online Water Flow Meter and Water Level Monitoring equipments with Telemetry system.
2.	Estimated Value: (Inclusive all)	₹ 22,87,949/- (Rupees Twenty-Two Lakhs Eighty-Seven Thousand Nine Hundred Forty-Nine) Only which is <b>inclusive of all</b> .
3.	Bid Security Declaration	Format enclosed.
4.	Tender Fees :	₹ 1000/- (Rupees One Thousand) only.
5.	Last Date & time for Bid submission:	26-07-2021 upto 13:00 Hrs.
6.	Date & time of opening of Bid:	28-07-2021 at 15:00 Hrs.
7.	Validity of Tender:	120 (One Hundred Twenty) Days

**BIDDING PROGRAMME**

**Participations & Submission of Tenders:**

**1. Registration for Participation in Bids:**

- Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://etenders.gov.in/eprocure/app>) by clicking on the link "Online bidder Enrollment" on the CPP Portal which is free of charge.
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

1.6 All the bidders are requested to get themselves registered well in advance and no extra time will be considered for submission of bids for the delay in online vendor registration, if any. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

## 2 Submission and opening of Bids:

- 2.1 Bidders shall prepare and submit their bids in the electronic form in <https://etenders.gov.in>. Bidding forms will be available in the above website. Bids will be opened on the stipulated date and time in the office of the **General Manager(C), C&P Cell, NEEPCO Ltd, AGTCCPP, R.C.Nagar, Agartala, Tripura(W), Pin-799008.**
- 2.2 Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2.3 The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 2.4 Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 2.5 Bidder should prepare the EMD/Bid security declaration as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 2.6 Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 2.7 The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 2.8 All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening.
- 2.9 The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 2.10 Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 2.11 The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.
- 2.12 Bidders shall have to quote all the items mentioned under BOQ / Item Description.

## 3 Important Dates & Bid Validity:

- 3.1 Date of commencement of downloading of bid documents from the portal <https://etenders.gov.in/eprocure> w.e.f 18:00 Hrs of 23/06/2021.
- 3.2 Last date & time for submission of bids online: 13:00 Hrs of 26/07/2021.
- 3.3 Date & time for opening of bids online: 15:00 Hrs of 28/07/2021.
- 3.4 Bid validity: 120 (One Hundred Twenty) days from the date of opening of bids.

In case 28/07/2021 is a holiday, the bid shall be opened on the next working day at the appointed times.  
**Quotations received through any Off-Line Mode shall not be considered.**

Bidders are requested to visit e-tendering portal <https://etenders.gov.in/eprocure>, NEEPCO website <http://www.neepco.co.in> and CPP portal <https://etenders.gov.in> regularly for any modification/ clarification of bid document.

**Bid Security Declaration:** The bidder shall submit the **Bid security declaration** along with techno-commercial bid. In case the bidder withdraws bids, found in engages in corrupt, fraudulent, collusive, coercive practices during bidding process; his/her bid shall not be considered and suitable departmental proceeding will be initiated against such default bidders. Default bidders shall be debarred to participate in any tender of the Corporation



for next 2(Two) years from the date of opening of the techno-commercial bid. Prescribed format of bid security declaration is attached.

5 **BANK DETAILS FOR TENDER FEE SUBMISSION:**

Name of the bank	Indian Overseas Bank
Name of the Account Holder	NEEPCO LTD
Account Number	183702000000001
Branch	Ramchandra Nagar
IFSC Number	IOBA0001837

- 6 **Tender fees/ Bid Document Fee:** A non-refundable Tender Fee of ₹ 1000/- (Rupees One Thousand) only shall be submitted **ONLINE** failing of which their bid shall not be considered. After making payment of the tender fee, bidder shall attach the computer generated payment slip along with bid documents. The payment slip shall be duly certified by the bidder mentioning tender number and its date before submission on the e-portal.

**Address of the undersigned** : General Manager(C), C&P,  
AGTCCPP, NEEPCO Ltd.,  
R.C. Nagar, Agartala - 799008, Tripura(W).

- 7 **Evaluation of Tender:** Techno-commercial bid shall be opened on online. Tenderers' authorized representative shall be permitted to attend the tender opening only on submission of authorization letter. Purchaser will examine the Tender document to determine whether they fulfilled the qualifying requirement, whether they are complete and meet the requirements of this Tender specification. Tender submitted without fulfilling the qualification criteria shall be rejected and shall not be considered for price bid evaluation. Price bid of those tenderers meeting the qualifying requirement and requirements of Tender specification shall be opened on completion of Techno-commercial Evaluation. Date for price bid opening shall be notified at a later date through system-generated email.
- 8 **Reverse Auction:** The tender shall be finalized through reverse auction (e-RA). Regarding time and date of e-RA, system generated emails will be sent to all eligible bidders after opening of price bid.

### INSTRUCTION TO BIDDER

The intending bidders who fulfill the eligibility / qualifying criteria as given below should participate in the on-line Bidding process. Fulfillment of criteria as mentioned is essential, as non-compliance will lead to rejection of the Bid, without any further communication.

**Qualifying Criteria:** The bidders must fulfill the following qualifying criteria :

1. The Tenders of the bidders must accompany tender fee and Bid Security Declaration. Without Tender Fee and Bid Security Declaration, the tenders will be rejected.
2. The bidder must have the experience of having successfully completed similar nature or allied works during last 7 (Seven) years in any Govt. of India organization/State Govt. organization /PSU / Independent power producer (IPP). Documentary evidence to that effect shall be submitted.
  - a) Three similar completed works, each of value not less than 40% of the estimated cost.  
OR
  - b) Two similar completed works, each of value not less than 50% of the estimated cost.  
OR
  - c) One similar completed work of value not less than 80% of the estimated cost.

**For the purpose of this clause, similar supply/ work shall means "Technical design, supply, installation, testing, commissioning of the online Water Flow Meter and Water Level Monitoring equipments with telemetry system" to any Govt. Department/ PSU/ IPP.**

3. Copy of Bidder's PAN Card, Proprietor's Name, Legal Business Address, **GST Registration**, PF registration, Copy of Income Tax and Professional Tax Certificate clearance of current validity should be submitted along with their bids.
4. The quoted price must be authenticated with relevant supporting documents and uploaded online.

5. The Bidder should be a Registered Company under Company Act of India / Registered Firm in India.
6. Bidder Must have supplied Minimum of 4 (Four) Nos. similar system in last 3 (Three) years.
7. The relevant documentary proof in the form of work orders / satisfactory performance Certificates to be submitted with the technical bid.
8. The bid should be submitted online. Each and every page of bid should be stamped and signed by authorized representative of the firm. **Power of attorney in favour of the signatory duly authorizing the signatory shall be enclosed in the bid.** Un-signed bids / documents would not be considered.
9. **The Bidder shall furnish an undertaking (self-certification) that the Tenderer has not been blacklisted/debarred by any Central/ State Government institution including electricity boards. The Bidders should also confirm that there is no pending litigation on account of executing similar orders.**
10. If the bidder is MSME registered and comes under SC/ST category, the relevant proof should be attached along with bid.
11. **Provision for EMD and Tender fee exemption for the Bidders who are registered as Micro/ Small Enterprises:** Complying with the Public Procurement Policy for Micro and Small Enterprises (MSE) 2012, the following benefits shall be applicable to bidders registered as Micro/ Small Enterprises
  - a. Exempted from payment of applicable EMD
  - b. Exempted from payment of applicable Bid fee.

The bidders participating as Micro/ Small Enterprises shall submit an Undertaking in the prescribed format declaring the status of their firm under the provisions of Micro and Small Enterprises along with a copy of the relevant documents/ certificates issued by the Competent Authority i.e.

- i) District Industries Centre
  - ii) Khadi and Village Industries Commission
  - iii) Khadi and Village Industries Board
  - iv) Coir Board
  - v) National Small Industries Corporation
  - vi) Directorate of Handicraft and Handloom or
  - vii) Any other Body specified by Ministry of Micro, Small & Medium Enterprises) as evidence to their applicability of Micro and Small Enterprise.
12. The registration certificate submitted by MSEs issued from any one of the above agencies must be valid as on close date of the tender. The successful bidder should ensure that the same is valid till the end of the contract period.
  13. The MSEs who have applied for registration or renewal of registration with any of the above agencies/bodies but have not obtained the valid certificate as on close date of the tender are not eligible for exemption/preference.
  14. The MSE bidder/Entrepreneurs claiming to belong to Schedule cast(SC) or Schedule Tribe (ST) shall furnish necessary SC/ST certificate issued by Competent Authority in support of their caste/tribe in addition to certificate of registration with any one of the agencies mentioned above at sl no 4. MSE owned by SC/ST shall satisfy any of the following:
    - i) In case of proprietary MSE, proprietor(s) shall be SC/ST.
    - ii) In case of partnership MSE, the SC/ST partners shall be holding at least 51% shares in the enterprise.
    - iii) In case of Private Limited Companies at least 51% share shall be held by SC/ST promoters.
  15. **Condition for Startups:** The definition of "Startups" is as per the Gazette Notification of the Ministry of Commerce and Industry (Department of Industrial Policy and Promotion i.e DIPP) dated 17<sup>th</sup> February 2016 and all other subsequent directives/guidelines thereof. The Startup Enterprises shall submit Startup India recognition certificate issued by Department of industrial Policy and Promotion under Ministry of Commerce & Industry, Govt. of India. For more details may visit the website [www.startupindia.gov.in](http://www.startupindia.gov.in)
  16. **Relaxation of Prior experience and Prior turnover norms for Startups and Micro & Small Enterprises in Public Procurement:** In exercise of Para 16 of Public Procurement Policy for Micro and Small Enterprises Order 2012 Central Ministries/Departments/ Central Public Sector Undertakings may relax condition of prior turnover and prior experience with respect to Micro and Small Enterprises in all public procurements subject to meeting of quality and technical specifications. This has as per the Policy Circular No. 1(2)(1)/2016-MA Dt. 10th March 2016 of the Ministry of Micro, Small & Medium Enterprises, Govt. of India.

17. **Minimum Average Annual Turnover(MAAT):** Minimum Average Annual Turnover of the bidder, in the best three Financial Year out of the last 5(Five) Financial year, ending 31st March of the previous financial year should not be less than ₹ 6.86 Lakhs.
18. **Liquid asset requirement:** The bidder should have liquid assets or / and evidence to availability of unutilised credit facilities of not less than the value as calculated below: Liquid Asset = (Estimated Cost x 2.5)/Completion period in months. The Certificate of Banker regarding the availability of unutilized credit facilities (Fund based and non-fund based) shall not be dated earlier than 30 (thirty) days prior to the latest date for submission of bids. Liquid Asset = Current Asset - (Inventory + Pre-paid expenses).
- In support of above the agency should submit audited Balance Sheet and Profit & Loss Account for last 3 (three) years**
19. **Net Worth:** The Net Worth of the Bidder should be positive.
20. **Bid capacity:** The available Bid Capacity of the Bidder at the time of submission of Bid, calculated as under should not be less than the estimated cost of the work put to tender: Bid Capacity =  $A \times N \times 2 - B$  Where, A = Maximum value of works executed in any one year during last 7 (seven) years (at current price level). N = Completion time of the proposed work in years. B = Value at current price level of existing commitments and on-going works (as on the latest date for bid submission) to be completed in next "N" years. Bid capacity shall be assessed at the time of submission of Techno-commercial Bid, for which the Bidder shall have to submit documentary evidence in support of "A" & "B" above along with their Bid.
21. L-1 will be decided by considering the highest annual turnover of current financial year, if two or more bidders / agencies/ firms quote the same amount.
22. **Electronic Reverse Auction (e-RA):**
- "Electronic reverse auction" is an online real-time purchasing technique to select the successful bid, which involves presentation by bidders of successively lowered bids during a scheduled period of time.
  - In e-RA, all those bidders who are ascertained to be Qualified & Responsive to the bidding conditions, unless otherwise restricted, shall be invited to participate in the e-RA process.
  - The e-RA shall be conducted for procurement where Bids (including Price Bids) have already been submitted and opened subject to guidelines as may be approved from time to time.
  - The minimum value of decrement in price for the e-RA shall be 0.5% or value deemed to be fit depending upon various aspects pertaining to procurement in question, of the L<sub>1</sub> price evaluated on the basis of Price Bid.
23. The tender shall be finalized through "Tender cum Auction" i.e through the tender followed by e-Reverse Auction (e-RA). After opening the financial bids, Reverse Auction shall be conducted amongst the techno-commercially qualified bidders. The date and time of e-RA shall be conveyed to the techno-commercially qualified bidders via system-generated email.
24. **BOQ format in the price bid is fixed and is exclusive of GST. The quoted rate shall be treated as per the BOQ Format and no change is permissible irrespective of what is written in the techno-commercial bid document of the bidder.**
25. **e-RA process:**
- The tender shall be finalized through "Tender cum Auction" i.e through the tender followed by e-Reverse Auction(e-RA). After opening the financial bids, Reverse Auction shall be conducted amongst the techno-commercially qualified bidders. The date and time of e-RA shall be conveyed to the techno-commercially qualified bidders via system-generated email. NEEPCO will declare its Opening Price (OP), Reserve price (RP), which shall be visible to the all bidders during the start of the Reverse Auction. The Bidder will be required to start bidding after announcement of Opening Price and decrement amount. The start price of an item in online reverse auction is open to all the participating bidders. Any bidder can start bidding, in the online reverse auction, from the start price with decrement value. The Bidder shall note that, the first online bid that comes in the system during the online reverse auction shall be equal to the auction's start price - (minus) decrement value, or lesser than the auction's start price by multiples of decrement. The second online bid and onwards will have to be lesser than the last Accepted bid rate by one decrement value, or lesser than the last Accepted Rate by multiples of the decrement value.
  - Reverse Auction shall be for a period of 1 Hour (60 minutes). If a bidder places a Bid in the last 5 minutes of Closing of the Auction, the auction shall get extended automatically for another 5 minutes. In case, there is no Bid in the last 5 minutes of closing of Auction, the Auction shall get closed automatically without any extension. The bidder shall note that if there are more than one item in a single auction, the auto-extension will be applicable to the entire event i.e. whenever a bidder places an

acceptable bid in the last 5 minutes of the closing of the auction, the auction shall get extended automatically for another 5 minutes from the time of this bid for all the items in the auction.

26. Offline bids shall not be considered.

## GENERAL TERMS & CONDITION OF CONTRACT

(All prospective Bidders are requested to go through these instructions carefully)

### 1. SCOPE OF WORK:

- i. Complete supply, installation, testing, commissioning of Digital Water Level Recorders (DWLR) with WQ probes, Flow meters and telemetry system in the identified piezometers including associated mechanical works, sensors, data logger, software, hardware and ancillaries' etc.
  - ii. Technical design, supply, installation, testing, commissioning of the Digital Water Level Recorder (DWLR) and Probe with water temperature for real time ground water level data collection network and establish data communications using GSM & GPRS telemetry between the remote DWLR stations and state data center and later through internet to the e-SWIS /e-GEMS at New Delhi. This includes, but is not limited to acquiring service, and maintaining all aspects of the service during the warranty period.
  - iii. Testing the data acquisition and data communication system using GSM/GPRS between the remote stations and the existing Data Centre. The SIM card shall be supplied by the bidder and the availability of network shall be the responsibility of the supplier.
  - iv. Establish communication between remote DWLR with Water Quality probes stations with existing GSM & GPRS receiving system along with all required arrangement at existing Central/State Data Center to collect GSM & GPRS data from DWLR station network. Purchaser will provide the Server / PC with required High Speed uninterrupted internet connection, Static IP. Bidder shall make necessary arrangement for configuration of FTP Server with adequate firewall & antivirus protection that will support the seamless transfer of DWLR probes data stream in addition to acquiring of all required hardware and software, installation and configuration. No data processing software has to be provided by the bidder at state data Centre.
  - v. Perform on-site assembly, start-up of the supplied goods. Complete commissioning integration, testing & organization of the whole system.
  - vi. Provide installation and maintenance reports as required by the Purchaser and any delay in time schedule provided by supplier is not acceptable.
  - vii. Supply detailed operation and maintenance manual for each component in the system and compile knowledge and working supply type Manual for training purpose.
  - viii. Provide classroom and field training to the sufficient number of personnel on the DWLR probes, Flow meter and data acquisition system. This includes operation and maintenance procedures. Training will also occur at selected field locations as selected by the Purchaser.
  - ix. The remote stations shall store the data for **at least one year**.
2. **Price Basis:** Bidder shall quote the price as **FOR**, AGTCCPP basis. Bidder shall quote item-wise prices showing commissioning charges separately, both in figure and words. Quoted Rates shall remain **FIRM** till the completion of the contract.
3. **Taxes and Duties:**
- i. The rate quoted by the bidders should be **inclusive of GST**.
  - ii. All the taxes, duties, levies etc. which are payable/ reimbursable by the Corporation shall be paid/ reimbursed to the supplier as per prevailing laws, rules, and regulations. The income tax and any other taxes, duties, levies etc. and surcharge thereof which the bidder by law is liable to pay are excluded from the provision of this contract. Such taxes, duties, levies along with surcharge shall be deducted from the payment and shall be deposited to the concerned authority. However, deduction certificate, if required by the contractor, shall be issued by the Corporation.
4. **TIME OF COMPLETION:** The time of completion of supply including commissioning of the materials shall be completed within 60(Sixty) days from the date of issue of the order. All the materials shall have to be delivered to the address of the Consignee as indicated in Purchase Order.
5. **Submission of Tender:** Online bids (Single-Stage Two-Envelope) with 120 (One Hundred Twenty) days validity shall be submitted by the bidder at NEEPCO's online portal <https://etenders.gov.in> having the following two parts

**Part-I (Techno commercial bid):** Technical Bid should contain technical specifications in details as well as brief write-up of various components, drawings etc.

- i. The Technical Specifications acceptable for online Water Flow Meter and Water Level Monitoring equipments with telemetry system, which shall include supply, installation and commissioning at 135 MW Agartala Gas Turbine Combined Cycle Power Plant (AGTCCPP), NEEPCO Ltd.
- ii. The bidder shall have to submit the offer of only one make.
- iii. Information / document required with the bid
  - a) The manufacturer and all technical details of the equipments.
  - b) Reports of all the Type Tests in accordance with the latest applicable standards.

**Part-II (Price bid) :** Price bid should clearly indicate group-wise price and submitted On-Line.

The technical bid shall be opened first to judge/evaluate the technical specifications. Thereafter the price bid of only technically qualified bidders will be opened. Un-successful Technical Bid shall be considered as stands cancelled. Price Bid of such bidder shall not be opened.

**6. Payment terms:**

**(A) Supply Part:**

**90% (Ninety Percent) payment on supply part** shall be paid after receipt of materials at site in full and good condition against submission of following documents:

- a) Invoice in triplicate.
- b) Delivery Challan
- c) Excise Gate pass/Excise Invoice etc. as applicable.
- d) Test certificates, if any
- e) Warranty certificate of Manufacturer as per warranty clause.
- f) Bank details for E-payment.

**Balance 10% (Ten Percent) payment of supply** shall be payable only after expiry of the Warranty/ Guaranty period or CPG of equivalent amount valid for 15 (Fifteen) months.

**(B) Installation and Commissioning Part:**

**100% (Hundred Percent) payment** shall be payable only after successful installation & commissioning on submission of the invoice(s).

**Part-payment shall not be allowed at any condition if materials are not supplied fully.**

7. **Freight & Insurance:** The bidder quoted price should be inclusive of Freight & insurance showing transportation & insurance charges separately. The consignments shall be duly insured against possible damage/loss during Transportation. Any loss/damage during transit shall be intimated to the suppliers within a reasonable time from the date of receipt of the consignment by the consignee. The supplier shall take immediate action for replacement/rectification of the loss/damage. The suppliers shall have sole liability/responsibility for settlement of claim with the insurer towards transit loss/damage if any. Replacement/rectification of the loss/damage during the transit shall be made immediately without waiting for settlement of the claims. Necessary storage insurance coverage after receipt of material at AGTCCPP site till commissioning will be under the scope of the contractor/supplier.
8. **LD clause:** If the Bidder fails to deliver all the materials within the delivery time, NEEPCO'S standard LD-clause shall be applicable. Reduce the contract price by  $\frac{1}{2}\%$  (half percent) per week for the un-delivered portion of the material subject to maximum of 10% (Ten-percent) of the contract value.
9. **Warranty / Guarantee:** The material shall be guaranteed / warranted from any manufacturing defect for 18 (Eighteen) months from the date of delivery or 12 (Twelve) months from the date of Installation, whichever is earlier.
10. **Training:** Provide classroom and field training to the sufficient number of personnel on the DWLR probes, Flow meter and data acquisition system. This includes operation and maintenance procedures. Training will also occur at selected field locations as selected by the Purchaser.
11. **Statutory Deduction:** These will be made at source as per the rules prevalent in the area of work. If the bidder is eligible for any kind of exemption/concession from state Govt. /Central Govt. they shall have to furnish documentary evidence to consider the same.
12. **Issue of formal order/ Award of Contract:** The purchaser shall consider placement of formal order for commercial supplies on the bidder whose offer have been found technically and commercially acceptable and are lowest. However, technical feasibility shall be the foremost criteria for award of the contract. Issue of

formal orders shall constitute the award of contract on the bidder. The bidder shall, within 10 (Ten) days of issue of formal orders, give his/her acceptance along with Bank Guaranty (BG).

13. **Clause wise Compliance:** Clause wise compliance statement of the Technical Specifications and Commercial Terms & Conditions shall be enclosed with the offer along with technical literature of the material and other document. Deviations if any from the tender requirements must be stated in a separate sheet with relevant clause for consideration of NEEPCO Ltd. Deviation mentioned in the general tender document without highlighting the same in **Deviation statement** shall not be accepted.
14. **CONTRACT PERFORMANCE GUARANTEE (CPG):** Within 10(Ten) days from the date of issue of Letter of Intent the contractor shall furnish a bank guarantee from a scheduled Nationalized Bank for an amount equal to **3% (Three Percent)** of the ordered value by way of guarantee towards faithful performance of the agreement. The B.G. shall be valid to cover up 3 (Three) months after expiry of warranty period as per purchase order.
- The contractor shall at his own cost get the validity period extension of Bank Guarantee furnished by him, till the completion of warranty period. On due completion and commissioning of work(s) in all respects and on expiry of the maintenance or warranty period, the Bank guarantee will be returned to the contractor without any interest on presentation of an absolute 'NO DEMAND CERTIFICATE' from the purchaser.
15. Any bid containing false statement(s) will be rejected and action shall be taken as per Terms and conditions of the tender documents
16. Bidders shall prepare and submit their bids in the electronic form in <https://etenders.gov.in>. Online bidding forms will be available in the above website. Failing to comply above or without submission of any one of the above-mentioned documents or criteria, the bid shall not be considered for any evaluation and summarily rejected.
17. **Court of Competent Jurisdiction:** Any legal action taken or proceeding initiated or any of the terms of the agreement shall be only in the jurisdiction of local court of this Power Station area in Agartala, Tripura .
18. **ARBITRATION:** Except where otherwise provided, if at time, any question of a dispute or difference of opinion whatever shall arise between the Contractor and the Corporation upon or in relation there to or in connection with this Contract, either of the parties may give to the other notice in writing, of the existence of such questions, disputes or differences and if the matter is not settled amicably by and between the parties and on rejection, such matter of dispute or difference of opinion shall be referred to the Arbitration strictly in accordance with the provision contained in the **Arbitration and Conciliation Act 1996 (Act. No. 26 of 1996)**, and any amendment thereto and any rules made there under and to such other order or orders, instruction issued by the Government of India time to time in this connection. The venue of Arbitration for shall be Agartala, India.
19. **WITHHOLDING PAYMENT:** The purchaser may withhold the whole or part of any payment of the contractor, which in the opinion of the purchaser is necessary to protect himself from loss or account of.
- Defective work not remedied or guarantees not met;
  - Damage or loss of property or equipment of the Purchaser.
  - Non-return of material/equipment supplied by the Purchaser when the same is due.
  - If legal case is instituted against the bidders by the purchaser or the contractor.

20. **Termination for Default:**

The purchaser may without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate this contract in whole or in part thereof.

- If the supplier fails to deliver any or all of the goods within the time period(s) specified in the contract.
- If the supplier fails to perform any other obligation(s) under the contract; and
- If the supplier, in either of the above circumstance(s) does not remedy his failure within a period of 30 days after receipt of the default notice form the purchaser.
- In the event the purchaser terminates the contract in whole or in part, due to non-performance of the contractor, the Purchaser may proceed to procure upon such items, works in such manner as deem fit to the purchaser. In such case(s) the PBG and security deposit shall be forfeited.

21. **FORCE MAJEURE CONDITION:** Force Majeure is defined as any cause which is beyond the control of either the Corporation or the Contractor and is defined as below :

- War (Whether declared or not), hostilities invasion, act of Foreign enemies, rebellion, revolution, insurrection of military or usurped power, or civil war.



- ii. Contamination by Radioactivity from any nuclear fuel or from any nuclear waste or radioactive materials.
- iii. Pressure waves caused by air craft or other aerial devices travelling at sonic or supersonic speeds.
- iv. Acts of God (Like floods, inundation, tornadoes, storm/tempest/hurricane/ typhoon/cyclone/lightning, earthquake, landslides/rockslide/subsidence or any loss or damage caused by forces of nature).
- v. Damages due to any political and religious incidence.
- vi. Act of terrorism.
- vii. 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.
- viii. Martial law, damage from air craft, nuclear fission, nuclear reaction, nuclear radiation or radioactive contamination.
- ix. Epidemics.
- x. Fire (not caused by negligence of the contractor/its sub-contractors/ their personnel) and
- xi. 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 part 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 causes.

Loss to any party due to occurrence of "Force majeure" risk shall be borne by the respective party. If however, the "Force majeure" events causing such damage are insurable, removal of debris and reconstruction/repair shall also be done by the contractor upon receiving instruction from the Engineer in-charge at owner's cost and claim proceeds received from the Insurer against such damage shall be passed on to the owner.

Should there be a request for extension of time arising out of "Force majeure" the same shall be considered under the provision of the contract. No compensation, whatsoever, will be allowed to the Contractor for the delay arising out of the "Force majeure" conditions.

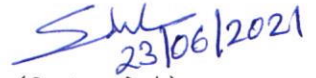
22. **Consignee:** The materials with accessories shall be delivered FOR AGTCCPP site at the address of consignee i.e. Senior Manager (E/M), Store, NEEPCO Ltd, AGTCCPP, Ramchandranagar, Dist: Tripura(W), Agartala, PIN - 799008.
23. **Paying Authority:** The Head of Finance, NEEPCO/AGTCCPP, Ramchandranagar, Agartala-799008.
24. The bid should be submitted online. Each and every page of bid should be stamped and signed by authorized representative of the firm. **Power of attorney in favour of the signatory duly authorizing the signatory shall be enclosed in the bid.** Un-signed bids / documents would not be considered.
25. The Corporation reserves the right to change/modify the requirements and/or to postpone/accept or reject this NIT in full or in part without assigning any reason thereof and is not bound to accept the lowest offer.
26. Bidders are requested to visit NEEPCO's online portal <https://neepco.co.in> and <https://etenders.gov.in> regularly for any modification/clarification of the bid document.
27. NEEPCO is not bound to accept the lowest tender and reserves the right to waive any formality in regards to submission of tenders or to reject any or all tenders without assigning reasons thereof.
28. The contract must not be sub-let without the permission of the Corporation.
29. The bidders shall submit all the information and documents as sought for in relevant clauses of the tender documents, both in Technical Specification & Commercial conditions. Tenders without the requisite information and documents shall be considered as incomplete and are liable for rejection.
30. All information shall be furnished by the bidders in good faith and with full satisfaction. The bidder shall print or type his name and that of his company in the schedule of prices and each subsequent continuation sheets thereof, on which he makes any entry. Overwriting or changes should be dated and initialed by the bidder.
31. NEEPCO reserves the right to verify bidders' capability and capacity both in terms of technically and commercially to perform the contract as well as to verify the authentication of any or all documents produced/submitted by bidders.
32. NEEPCO may allow purchase and other preferences to Govt./PSU/SSI/NSIC units as per Govt. policy and guidelines.



33. NEEPCO reserves the right to accept/reject any or all offers in part or full and also the right to relax qualifying requirements whenever and wherever required without assigning any reasons thereof.
34. Submission of bids shall not automatically construe qualification for evaluation. NEEPCO reserves the right to reject any or all bids. Or to annul the bidding process and reject all the bids, without thereby incurring any liabilities to the affected bidders, nor does it have any obligation to inform the bidders of the ground for such action on the part of the Purchaser.

Bidders shall submit their bids online in electronic form in <https://etenders.gov.in>. Online bidding forms are available in above website. Manual offline Bids shall not be accepted. However, the document submitted by the bidder must be signed and sealed at each page by the bidder with signature before scanning and uploading. The bidders are requested to note that participation in the bid shall be taken as acceptance of the terms & conditions as stated above. Bidders are requested to visit the website (<https://etenders.gov.in>) for any future change/ modification/ corrigendum/addendum to this tender. The Corporation reserves the right to change/modify the requirements or to postpone/accept or reject the tender in full or part of this Notice or cancel without assigning any reason thereof and is not bound to accept the lowest offer.

For & on behalf of North Eastern Electric Power Corporation Ltd.

  
23/06/2021

(Santanu Deb)

Dy.General Manager(E/M), C&P  
NEEPCO Ltd., AGTCCPP



## FORM-C: Bid Security Declaration

(Bidders shall submit this DECLARATION online)

I/We ..... (Name of the Bidder) .....do hereby solemnly affirm and declare that if I/We withdraw or modify my/our bid after the bid opening during the period of bid validity and extension thereof, I/We will be suspended from participating in future tenders of the Corporation for a period of 2 (two) years from the date of issue of notice of such suspension by the Corporation.

\_\_\_\_\_  
Place, Date

\_\_\_\_\_  
(Signature)

(Name of Signatory, duly authorized to sign the bid  
On behalf of the Bidder..... (in block letters))

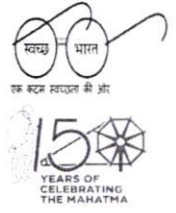
(Designation / Title of Signatory)  
(Seal of the Bidder)

*Sd/-*



ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
Miniratna Category-I

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड  
*North Eastern Electric Power Corporation Limited*  
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)  
135 मे.वा. अगरतला गैस टरबाइन कंबाईंड साइकिल पॉवर प्लांट  
135 MW Agartala Gas Turbine Combined Cycle Power Plant  
अनुबंध एवं प्रापण, क्यू.एस.एच.ई. एवं जोखिम प्रकोष्ठ / Contract & Procurement : Q&SHE & Risk Cell  
रामचन्द्र नगर, त्रिपुरा (प) / Ramchandra Nagar, Tripura (W) - 799008



**NOTICE INVITING TENDER (E-TENDER)**

**e-NIT No. 19/NEEPCO /AGTCCPP /C&P /2021-22 Dated 23.06.2021**

**SECTION - II**

**TECHNICAL SPECIFICATION**

**1. SPECIFICATION OF PIEZO METRIC LEVEL INDICATOR**

Nominal measuring range	0-300 m
Measuring principle	Piezo-resistive (relative pressure)
Min. programmable range	0-2 m, 0-4 m, 0-12 m, 0-50 m
Max. programmable range	0-4 m, 0-12 m, 0-50 m, 0-100 m
Standard Measuring Range	0 - 3 m to 0 - 300 m.
Max. overpressure	3-20 bar
Calibration	The transmitter should come with built-in Modbus protocol for measurement readout and remote calibration during operation. It must be suitable for low-energy installations. The sensor must have facility for Field re-programmable for custom ranges and zero offset calibration.
Drift	The sensor must have Very low drift (<0.5%) and high accuracy ( $\pm 0.25\%$ ), year after year
Temperature range	-10° C to 65° C
Temp. deviation, zero point	Better than $\pm 0.02\%$ / °C
Temp. deviation, full range	Better than $\pm 0.02\%$ / °C
Linearity / Stability	Better than $\pm 0.5\%$ FS / $\pm 0.1\%$ FS
Measurement accuracy	Better than $\pm 0.25\%$ FS @ +10 to 30° C Better than $\pm 0.5\%$ FS @ full temperature range
Long time stability	Better than $\pm 0.5\%$ FS per year
Materials	Housing and diaphragm: Stainless steel (1.4404 / AISI 316 L)
Supply voltage	10 - 30 VDC
Output signal	2-wire 4 - 20 mA (passive transmitter)
Cable	2 x 0,5 mm <sup>2</sup> (pressure) + 5 x 0,15 mm <sup>2</sup> (data), shielded, PUR insulation
Cable length	35 m
Enclosure	IP 68, withstands a static pressure equal to max. overpressure
Approvals	CE directive: 89/336/EEC, 2004/108/EC, 1999/EC EN 61326-1, 61326-2-3, EN 55011, 61000-4-2, 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6, 61000-4-8 EN 61000-6-4 2007-02-19, EN 61000-6-2 2005-09-08,
Installation	The system should be provided with IP 65 enclosure (if required)
Compensation	Level Transmitter should have accurate 2-wire transmitter with a piezoresistive measuring system with direct air pressure and temperature compensation.
Size & Metallurgy	The level transmitter should have small external diameter of 22 mm and is made of 316L stainless steel. The transmitter must have designed for measuring levels and temperature in wells and drinking water tanks.
Connectivity	The sensor must have 2-wire 4 - 20 mA loop powered, 10-30VDC The sensor must have Low voltage versions digital RS485 supply voltage 3,6-30VDC

## 2. TECHNICAL SPECIFICATION FOR MAGNETIC FLOW METER:

There shall be one number of Full-bore Electromagnetic flow meter on the well outlet. The flow meters is to be installed and commissioned for measuring the instant flow rates as well as the total flow for a period of time of the station passing throughout the common manifold. The flow rates shall be indicated in m<sup>3</sup>/hr & total flow in cubic meter. The flow sensor shall be suitable to measure ground water. The flow meter shall be electromagnetic inline type to provide indication, totalization and signal transmission of the liquid. Flow meter should be compatible with the SCADA system (should have RS485 port or any suitable communication port). Amplification of signals, if necessary, are to be incorporated. The flow meter must be capable of measuring velocity of water upto 3 m / sec with accuracy of  $\pm 0.5\%$ . The linearity of the instrument shall be 0.5% of scale. The sensor must have enclosure of class IP-68. The tenderer shall clearly indicate the position of flow sensor. The data sheet for flow sensor is as follows.

1	Media	:	Liquids (Conductive)
2	Conductivity	:	> 5 $\mu\text{s/cm}$
3	Viscosity	:	200 cp max
4	Line Size	:	15 NB to 1000 NB
5	Excitation	:	Pulsed DC
6	Type of Output	:	1) 4 to 20 mA DC, Isolated, 2) Pulse
7	Display Engineering Unit	:	Graphics type
8	Engineering unit	:	User Programmable (m <sup>3</sup> /hr by default)
9	Calibration Range	:	As per requirement (Factory Calibrated)
10	Accuracy	:	+/- 0.5% of F. S. (for 20 to 100% flow)
11	Linearity	:	+/- 0.5% of F. S.
12	Repeatability	:	+/- 0.2% of F. S.
13	Temperature Coef cient	:	+/- 0.05% per °C
14	Process Temperature	:	85° C max for Rubber Lining & 150°C for PTFE Lining Process
15	Pressure	:	10 kg/cm <sup>2</sup> max (higher on request)
16	Material of construction	:	Lining - Rubber (5mm +/-1mm thick) / PTFE (3mm +/-1mm thick) Flange - CS / MS / SS Electrode - SS 316L / Hast alloy C / Platinum Coil Housing - MS / SS 304
17	Power Supply	:	Option 1 : 24 V DC
18	Option 2	:	90 - 260 V AC, 50 Hz
19	Power Consumption	:	< 10 VA
20	Isolation	:	1.4 KV between Input, Output & Power Supply
21	Response Time	:	< 1 Sec
22	Transmitter Enclosure	:	Die cast Aluminium IP 66, flow tube IP 68
23	Process Connections	:	ASA 150 flanged, as per table B 16.5
24	Mounting	:	In-Line Horizontal (Vertical on request)
25	Operating Conditions	:	Temperature 0 to 55°C / Humidity 5 to 95% non-condensing

### 3. TECHNICAL SPECIFICATION FOR DATA LOGGER & DATA CONNECTIVITY SERVER:

Specification for IoT Hardware Including Power Supply and Enclosure:

SL. No.	ITEM	DESCRIPTION OF REQUIREMENT
IoT Gateway		
1	Basic Requirement	<ul style="list-style-type: none"> <li>IoT Cloud Connector intelligent hardware which works on the latest IoT and M2M technologies and provides dual persistent connectivity with the centralize monitoring platform. This cloud connector supports major communication media with redundancy.</li> <li>Cloud Connector has internal data logging memory for network failure or data exhaustion on GPRS and WAN. Logged data will be automatically sent to the platform on service resumption.</li> <li>This cloud connector supports GPRS (GSM), WiFi, LAN which provide redundancy and choice as per the availability of media and fulfill the CPCB direction.</li> </ul>
2	CPU	<ul style="list-style-type: none"> <li>MIPS32 24KEc CPU running at 580 MHz</li> <li>Built-in 64 KB [resp. 32 KB] instruction [resp. data] cache</li> </ul>
3	GPRS	<ul style="list-style-type: none"> <li>Band: FDD 5/8/3/1, TDD 40/41</li> <li>Fall back: 3G/2G</li> <li>Cellular type : LTE Cat 4</li> </ul>
4	Ethernet	<ul style="list-style-type: none"> <li>Ports: 1</li> <li>Standard: IEEE 802.3</li> <li>Physical Layer: 10/100Base-T</li> <li>Data Rate: 10/100 Mbps (auto-sensing)</li> <li>Mode: Full or Half duplex (auto-sensing)</li> <li>Connector: RJ-45</li> </ul>
5	Serial Interface	<ul style="list-style-type: none"> <li>Ports: RS422/RS485 (half and Full Duplex)</li> <li>Flow Control: Hardware and software flow control</li> <li>Throughput: Up to 230 Kbps</li> <li>Connector: Screw Terminal</li> <li>Full- and half-duplex, 6kV contact,</li> <li>8kV air discharge protection</li> </ul>
6	Environmental	<ul style="list-style-type: none"> <li>Operating Temperature: -20°C ~ +60°C</li> <li>6kV contact, 8kV air discharge protection,</li> <li>CE, UL, FCC Class A</li> </ul>
7	Network	<p><b>Network Protocols</b></p> <ul style="list-style-type: none"> <li>Web-based user interface, set-up wizard, console</li> <li>log viewer, save / load configuration, NTP, SMS /OTA remote configuration, TR-069 capable</li> </ul> <p><b>Routing</b></p> <ul style="list-style-type: none"> <li>DHCP, static routing, port-forwarding, traffic routing, static/ dynamic DNS, DNS proxy, NAT, STP.</li> </ul> <p><b>VPN</b></p> <ul style="list-style-type: none"> <li>PPTP client, L2TP, IPSec, GRE, Open VPN client / server / pass- through</li> </ul> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>Zone-based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PIN</li> </ul> <p><b>Multiple Tunneling Schemes</b></p> <ul style="list-style-type: none"> <li>Secure data using a variety of VPN tunneling schemes, including IPSec, L2TP, PPTP, Open VPN and GRE.</li> </ul>

8	<b>Clock</b>	<ul style="list-style-type: none"> <li>Real-Time Clock with synchronization from GSM network and NTP</li> <li>RTC with an approx. 100-day data retention period</li> <li>15 mWh lithium manganese battery (not functional below -20 °C)</li> </ul>
9	<b>Memory</b>	<ul style="list-style-type: none"> <li>8 MB SPI Flash</li> <li>128MB, DDR2 SDRAM</li> </ul>
10	<b>Approvals</b>	<ul style="list-style-type: none"> <li>CE, FCC, PTCRB</li> </ul>
11	<b>DATA ACQUISITION MODULE</b>	
12	<b>Inputs port</b>	08(fully Differential)
13	<b>Input Types</b>	<b>Thermocouple</b> E, J, K, T, B, R, S, N <b>RTD</b> Pt100, Cu-53, NI-120 <b>Current</b> 0-20mA, 4-20mA <b>Voltage</b> -10V to +10V, -100mVto+100mV, -50mVto+50mV, -250mVto+250mV
14	<b>Isolation</b>	1500Vrms - Field To Logic, 1500Vrms - RS485 To Logic, 1500Vrms - Field To RS485
15	<b>Scan Rate</b>	50ms/Channel
16	<b>Resolution</b>	16 Bit
	<b>Enclosure</b>	
17	<b>Ingress Protection</b>	IP 66 to EN 60529/09.2000 Complies with NEMA 4.
18	<b>Approval</b>	UL, CSA
	<b>Power Supply</b>	
19	<b>SMPS</b>	DIN RAIL SMPS Power Supply
20	<b>Input</b>	<b>Input Voltage:</b> 88 ~ 132VAC/176 ~ 264VAC by switch 248 ~ 370VDC <b>Frequency:</b> 47-63Hz, <b>Efficiency:</b> 80%
21	<b>Protections</b>	Protection type: Shut down o/p voltage, re-power on to recover Protections: Short circuit / Overload / Over voltage / Over temperature
22	<b>Output</b>	24VDC@5A (Range 24-28)


### SPECIFICATION FOR CENTRALIZE MONITORING SOFTWARE

Meets the following CPCB guidelines:

1. Capable of collecting data on real time basis without any human intervention.
2. Can submit real time data through different data formats like XML & JSON.
3. Two-way real time persistent communication.
4. The data generation, data pick up, data transmission; data integration at server end is automatic.
5. No manual data handling is permitted.
6. Data validation is permitted only through the administrator and data changes recorded with date and time stampings.
7. Configurations of the systems once set up (through remote procedure) and verified, cannot be changed. In case any setting change is required it should be notified and recorded through the authorized representatives only.
8. The data submitted electronically shall be available to the data generator through internet, so that corrective action if any required due to submission of erroneous data can be initiated by the industry.
9. Capable to verify the data correctness which means at any given point of time the regulatory authorities/data generator should be able to visualize the current data of any location's specific parameter.

*Sd/-*

10. Data validation with two stage/three stage validation and fixed responsibilities of stakeholders as below;
- a) Industry (Data Generator):
  - b) SPCBs / PCCs:
  - c) CPCB:
  - d) CGWA
11. System has capability to depict data at the actual location of industry over the map.
12. The software should be capable of analyzing the data with statistical tools and shall have the following capabilities:
- Statistical data analysis (customizable) for average, min., max., diurnal variation.
  - Comparison of parameters of different locations in user selectable time formats i.e. in graphical and tabular formats compatible to MS Excel, Pdf, \*.txt etc.
  - Capability of comparison of data with respect to standards/threshold values.
  - Auto report and, auto mail generation etc.
  - Providing calibration database for further validation/correction of data.
  - Channel configuration for range, units etc.
  - Providing data in export format on continuous basis through central/station
  - Computer system to other system.
13. Data transmission through different media like GPS, CDMA, Normal phone line, Data cards, Broadband, 4G etc. (at least any two media supported).
14. Data Storage for next five years.
- 15. Other Requirements**
- i. Web based user interface that can be accessed from anywhere using a web browser
  - ii. Inbuilt analytics - Dashboard and reporting
  - iii. Real time alerts on email - Intelligent alerts allow you to monitor noncompliance bases on exceptions.
  - iv. Remote Device Management - Remotely upgrade firmware; reboot devices, device diagnostics by vendor.
  - v. Remote setting of correlation and calibration data.
  - vi. Multiple user access and access control.
  - vii. Persistent two-way connection for real time two-way communications.
  - viii. API to integrate system with other enterprise systems.
  - ix. View all our different plants in a single software and on a map view.
  - x. Tamper Proof - Audit logs to trace which user did which actions.
  - xi. Secure - High security through SSL/TLS communication between device and servers. Password protected access to users.
  - xii. Automated backups protect from data loss.

  
23/06/2021

Santanu Deb  
Dy.General Manager(E/M), C&P  
NEEPCO Ltd. AGTCCPP,





ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
Miniratna Category-I

नॉर्थ ईस्टर्न इलेक्ट्रिक पॉवर कॉर्पोरेशन लिमिटेड  
*North Eastern Electric Power Corporation Limited*  
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)  
135 मे.वा. अगरतला गैस टरबाइन कंबाईंड साइकिल पावर प्लांट  
*135 MW Agartala Gas Turbine Combined Cycle Power Plant*  
अनुबंध एवं प्रापण, व्यू.एस.एच.ई. एवं जोखिम प्रकोष्ठ / Contract & Procurement : Q&SHE & Risk Cell  
रामचन्द्र नगर, त्रिपुरा (प) / Ramchandra Nagar, Tripura (W) - 799008



**NOTICE INVITING TENDER (E-TENDER)**

**e-NIT No. 19 /NEEPCO /AGTCCPP /C&P /2021-22 Dated 23.06.2021**

**SECTION - III**

**PLANT INFORMATION FOR BIDDERS**

- Project Location:** NEEPCO, The Agartala Gas Turbine Combine Cycle Power Plant is located at R.C Nagar under west Tripura Sub Division of Tripura state. The distance from project site to Agartala (Capital of Tripura) is 14 km. Agartala is connected with other North Eastern States by National Highway (NH-44). The Project site is Connected to NH -44 by a connecting road of 4 Km.
  - ❖ **Connectivity by Air:** The main Airport of the State is located at Agartala, which is at a distance of 25 Km from the Project site. Many public and private airlines operate regular flights from Agartala to Kolkata, Guwahati, Delhi, Bengaluru, Chennai
  - ❖ **Connectivity by Rail:** Nearest railway station is Jirania Station Which is about 20 Km from project site.The Geodetic co-ordinates of the project area at R.C Nagar, West Tripura District are as follows:  
Latitude 23° 50' 09" (N)  
Longitude 91° 16' 45" (E)
- HOTELS:** Both budget hotels and premium hotels with Four-star facilities are available. The reputed amongst them are Polo Tower, Ginger, Rajdhani, Sonar Tori, and Welcome Palace etc.
- VEHICLES:** Hired vehicles are available.
- LOGISTICS:** ABC, Safe-Express, TCI and other transport agencies ply with all India permit. Courier companies such as Blue Dart, DTDC, Goodluck apart from speed post serve NEEPCO.
- ACCOMODATION:** Limited accommodations are available at NEEPCO/AGTCCPP subject to availability on chargeable basis. Supervisory and workmen category can be provided with temporary quarters subject to availability. Fooding etc. are to be arranged. Basic amenities like potable water, electricity is available on 24X7 basis.
- ADVICE TO BIDDERS:** All bidders are directed to visit the plant and visit the locations where the existing Relays are placed prior to their bid submission and make themselves aware of the existing system.

23/06/2021  
(Santanu Deb)

Dy.General Manager(E/M), C&P  
NEEPCO Ltd. AGTCCPP,