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नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लि.  
(भारत सरकार का उधम)



**NORTH EASTERN ELECTRIC POWER CORPORATION LTD.**

(A GOVT. OF INDIA ENTERPRISE)

**OFFICE OF THE EXECUTIVE DIRECTOR (CONTRACTS & PROCUREMENT)**

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**Corrigendum No. 2 dtd. 12.04.2019**

To

NIB No. 311 dtd. 06.03.2019

for

Setting up of 100kWp Grid Interactive Solar PV Power Plant at NESAC residential complex, Umiam, Meghalya, including Operation & Maintenance

The pre-bid clarifications to the Bid documents are attached as Annexure-I.

General Manager (C)

I/c Contracts & Procurement

NEEPCO Ltd.

**Annexure-I to Corrigendum No. 2 dtd. 12/04/19 against NIB No. 311 dtd. 06/03/2019**

| Sl. No. | Clause ref.   | Clause as per bid document   | Bidder's query   | NEEPCO's Clarification  |
|---------|---|--|--|---|
| 1.      | Vol I, Sec II, Cl. 23.12  | The prices quoted in the e-reverse auction shall be the total lump sum prices as per the scope of work in the tender inclusive of all taxes & duties, levies deviations etc                                  | Since Pre Bid to be submitted in tender has multiple line items with different taxation rates (Supply@5%, I&C@18%, O&M@18%) we request Reverse auction to be conducted exclusive of Taxes.   | Bid Stipulation shall prevail   |
| 2.      | Vol.2, Part-I, General Technical Specification, Clause No. 14.3 | The purchaser will inform the bidder as to which of the inspection points and tests will be witnessed. As a minimum, a final inspection of the equipment will be made prior to shipment.                     | Pre-Dispatch Inspection<br>Since its a small project and major equipment are sourced through multiple manufacturers it is very challenging to ensure pre-dispatch at mu. You have asked for material check before dispatch. Request you to please waive off this point as we shall be submitting all the mandatory testing and certificates at the time of dispatch. | Bid stipulation shall prevail.  |
| 3.      | Vol I, Sec IIIA<br><br>Vol I, Sec IIIB                          | Cl. 55: Regulations of local authorities.<br>Cl. 66: Labour regulations<br>Cl. 3: Regulation of local authorities and statutes<br>Cl. 9: Manpower report<br>Cl. 11: Rate of wages and recruitment of labour. | Regulatory/list of administrative documents required for manpower and labours.   | Bid conditions shall prevail.<br><br>All applicable regulations are in the public domain and hence to be considered while participating in the bid. |

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|---------|--|---|--|---|
| 4.      | Vol.2, Part-I, General Technical Specification, Clause No. 7. & Annex-V, SLD | Power Evacuation: Power generated from solar project will be evacuated through existing 415V level. Power shall be consumed by NESAC. | <p>AC Evacuation</p> <p>a. Kindly confirm Evacuation Voltage</p> <p>b. Please specify incomer capacity of LT Panel</p> <p>c. Is there any spare ACB/MCCB available within the LT panel for PV interconnection</p> <p>d. Rating of ACB/MCB</p> <p>e. distance between solar PV Plant plot and LT panel for AC termination</p> | <p>a. Bid stipulation shall prevail. Please note that evacuation Voltage will be 415V as specified in the bid document.</p> <p>b. ACDB panel to be supplied under the scope of the instant tender shall be suitable for the installed capacity (i.e. minimum 100KWp). Ratings of incomer and outgoing MCCB are to be decided by the bidder accordingly. Refer Annex-V, SLD. Capacity of existing LT panel will be sufficient enough to handle 100KW or more power.</p> <p>c. ACB/MCCB to be considered the LT panel for PV interconnection.</p> <p>d. Rating of ACB/MCCB need to be decided considering installed capacity (i.e. minimum 100KWp).</p> <p>e. Distance between solar PV Plant plot and LT panel for AC termination shall be approximate 200 meter and the location of LT panel to be decided during detail engineering.</p> |
| 5.      | Volume 2, Part II: Clauses 4 & 5   | <p>Clause 4: Junction Boxes</p> <p>Clause 5: DCDB</p>   | <p>Now days most Solar GT Inverters come with inbuilt JB/DB accessories like DC Fuses/SPD/Disconnect. Kindly remove requirement of external Junction Box/DC DB if inbuilt</p>  | <p>Bid stipulation shall prevail.</p>   |

| Sl. No. | Clause ref.                    | Clause as per bid document | Bidder's query  | NEEPCO's Clarification   |
|---------|--------------------------------|----------------------------|---|--|
|         |                                |                            | protection is provided in Inverter. The same helps in minimizing failure points and connections losses.                               |  |
| 6.      | Volume 2, Part III             | Civil Works                | Please provide construction details for Pathways, Drainage and Cable Trench   | Construction details for Pathways, Drainage and Cable Trench shall be finalized during detail engineering. However, for reference plot plant for the solar PV along with contour map has already been provided as per Annexure-I & III of bid document. Please refer to clause No 5.0 of Volume-2, part-III, Section-I. Bidder's representative may visit the site for detail assessment (if any). |
| 7.      | Volume 2, Part II, Clause 10   | Data-monitoring            | NEEPCO should provide internet connectivity for the same through GPRS or Wi-fi  | Same shall be decided during Execution of work.  |
| 8.      | Volume 2, Part II, Clause 12.4 | Earthing                   | Kindly clarify is Maintenance Free Copper Bonded Earthing is acceptable. Also specify cross section Area of Earthing Conductor        | Bid stipulations shall prevail. However material and size of earth conductor shall be finalized during detail engineering to achieve required earth resistance.  |
| 9.      | Volume 2, Part II, Clause 13   | Cabling                    | a. Cables on DC Side should be routed through UPVC pipe as per MNRE Standard.<br>b. Considering large cable lengths on AC Side, it is | a. Bid stipulations shall prevail. However, routing through UPVC shall be considered if found suitable during detail engineering subject to fulfillment of MNRE standard.  |

| Sl. No. | Clause ref.   | Clause as per bid document                     | Bidder's query   | NEEPCO's Clarification  |
|---------|---|--|--|---|
|         |   |  | <p>recommended that Aluminum and Armored (non flexible) cables should be used on AC side. Kindly confirm.</p> <p>c. UV protected cables are not required on AC Side as the same shall be buried under ground.</p>                        | <p>b. Aluminum and Armored (non flexible) cables shall be considered on AC system, if found suitable during detail engineering.</p> <p>c. Bid stipulations shall prevail.</p>         |
| 10.     | Volume 5  | Datasheet and Guaranteed Technical Particulars | Kindly limit Datasheet/GTP Requirement to PV Modules, GT Inverters, Cables, Earthing, LA and MMS. Manufacturers of other equipment do not provide formal datasheet   | Bid stipulations shall prevail. However, for item/equipment for which formal data sheet are not available make/technical parameters shall be provided as per Manufacturer's standard. |
| 11.     | Vol.2, Part-I, General Technical Specification, Clause No. 9. | Metering and Grid Connectivity                 | <p>Net-metering/Discom NOC</p> <p>a. Does the EPC company have to get plant net-metering done or only Discom NOC is required</p> <p>b. For obtaining NOC Who will be assigned authority for signing all document on behalf of NESAC.</p> | <p>a. Bid stipulations shall prevail.</p> <p>b. As an owner NESAC shall assign authority for signing all document on behalf of NESAC, wherever required.</p>                          |
| 12.     |   |  | <p>Material Storage</p> <p>Kindly provide safe location for onsite storage.</p>  | Onsite storage facility as available shall be decided during execution.   |

| Sl. No. | Clause ref.   | Clause as per bid document                         | Bidder's query   | NEEPCO's Clarification   |
|---------|---|--|--|--|
| 13.     | Vol I, Sec IIB,<br>Cl. 12.2<br><br>Cl. 14.8                   | Water<br><br>Construction power                    | Utility (Water and Electricity) availability<br>Kindly provide the same free of charge. and share process for availing it.   | As available at site, else bidder has to arrange on their own.<br>Electricity connection shall be provided on chargeable basis on the prevailing applicable rate as per MeECL tariff.  |
| 14.     |   |  | DG Details<br>-Is synchronization with DG required?<br>-DG Capacity and Make<br>-Distance between DG and Main LT Panel<br>-Is the changeover Automatic or Manual. Kindly specify rating.   | Regarding synchronization with DG, same will be decided during detail engineering and, if found suitable, same shall be implemented with existing system.<br>Regarding synchronization with grid bid stipulations shall prevail. |
| 15.     | Vol.2, Part-I, General Technical Specification, Clause No. 6. | Annual Energy Generation                           | Guaranteed Generation<br>As per tender document min. guaranteed generation should be 1,50,000 kWh/yr. However as per NEEPCO's own simulation (Volume 4 Annexure IV) max possible generation from 100kW plant can be 14,65,000 kWh/yr @81%+ PR. The same is highly overstated; kindly revisit calculations and follow MNRE guidelines of PR: 0.75 and CUF: 13.5% (for North Eastern States) | Bid stipulations shall prevail. Please note that Guaranteed Annual generation shall be 0.150MU with minimum installed capacity of 100KWp.  |
| 16.     | Detailed NIB:   | Relaxation of Norms for Startups and Micro & Small | MSME Exemption:-   | Bid stipulation shall prevail.   |

| Sl. No. | Clause ref.                           | Clause as per bid document   | Bidder's query   | NEEPCO's Clarification                         |
|---------|---------------------------------------|--|--|--|
|         | <p>Clause 9:</p><br><p>Clause 10:</p> | <p>Enterprises (MSEs) on Prior Experience and Prior Turnover criteria:</p><br><p>Conditions for Micro &amp; Small Enterprises (MSEs)</p> | <p>With reference to the above mentioned Solar tender, please find attached the mandate from Govt. of India &amp; all govt. affiliated bodies for 20% procurement from MSME's and waiver of below mentioned. We have attached additional circulars and clarifications for your kind reference (procurement from MSME's dated 10th March 2016) by ADDITIONAL SECRETARY &amp; DEVELOPMENT COMMISSIONER. In light of the above situation, request you to kindly grant us the mandated exemptions of EMD, Tender Fee and Eligibility criteria.</p> <ol style="list-style-type: none"> <li>1. EMD</li> <li>2. Tender fee</li> <li>3. General per-requisites of eligibility (turnover, experience etc.)</li> </ol> | <p>Please refer Detailed NIB Cl. 9 and 10.</p> |

