E-Tender for the “Replacement and Lifting of Metering panels, Cabling and Earthing works in A, B, C& D blocks of NABARD Officers’ quarters at Bazullah Road, Chennai”

**NABARD**

Department of Premises, Security and Procurement,
National Bank for Agriculture and Rural Development (NABARD)
No.48, MG Road, Tamil Nadu Regional Office
Nungambakkam, Chennai – 600034

<table>
<thead>
<tr>
<th>Date of issue of tender document</th>
<th><strong>14.10.2022 at 14.00 hrs</strong></th>
</tr>
</thead>
</table>
| Pre-Bid Meeting with bidders | **26.10.2022 at 11.00 hrs**
NABARD, Tamil Nadu Regional Office,
No. 48, M G Road, Nungambakkam,
Chennai – 34 |
| Due date and time for submission of e-tender | **04.11.2022 at 14.00 hrs** |
| Date and time of opening technical bid | **04.11.2022 at 15.00 hrs** |
| Date and time of opening Price bid | To be notified separately to technically qualified bidders only. |
| Place of receiving and opening of tenders | NABARD Tamil Nadu Regional Office,
No. 48, M G Road, Nungambakkam,
Chennai – 34
Tele: 044-2830 4421
Email: chennai@nabard.org
dp.p.chennai@nabard.org |

48, Mahatma Gandhi Road, Post Box No.6074, Nungambakkam, Chennai-600034. Tel.: +91 44 28304444 • Fax: +91 44 28275732 • E-mail: chennai@nabard.org
<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Contents</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Notice inviting e-tender</td>
<td>3</td>
</tr>
<tr>
<td>2.</td>
<td>Form - e-tender</td>
<td>7</td>
</tr>
<tr>
<td>3.</td>
<td>Guidelines / procedures for e-tender</td>
<td>10</td>
</tr>
<tr>
<td>4.</td>
<td>Instructions to the tenderers for furnishing details in prescribed proforma</td>
<td>15</td>
</tr>
<tr>
<td>5.</td>
<td>General instructions to the tenderers</td>
<td>17</td>
</tr>
<tr>
<td>6.</td>
<td>Terms and conditions</td>
<td>25</td>
</tr>
<tr>
<td>7.</td>
<td>Scope of the work</td>
<td>29</td>
</tr>
<tr>
<td>8.</td>
<td>Specifications for electrical installation works</td>
<td>30</td>
</tr>
<tr>
<td>9.</td>
<td>Special instructions to bidders</td>
<td>37</td>
</tr>
<tr>
<td>10.</td>
<td>Special conditions of the contract</td>
<td>40</td>
</tr>
<tr>
<td>11.</td>
<td>Safety code</td>
<td>42</td>
</tr>
<tr>
<td>12.</td>
<td>Annexure A - Virtual completion certificate</td>
<td>44</td>
</tr>
<tr>
<td>13.</td>
<td>Annexure B - Articles of agreement</td>
<td>45</td>
</tr>
<tr>
<td>14.</td>
<td>Annexure C - Letter of indemnity and undertaking</td>
<td>51</td>
</tr>
<tr>
<td>15.</td>
<td>Annexure D - Letter of authorization</td>
<td>53</td>
</tr>
<tr>
<td>16.</td>
<td>Proforma-1 - General details about the tenderer</td>
<td>54</td>
</tr>
<tr>
<td>17.</td>
<td>Proforma-2 - Work capability and previous experience</td>
<td>56</td>
</tr>
<tr>
<td>18.</td>
<td>Proforma-3 - List of technical personnel available</td>
<td>60</td>
</tr>
<tr>
<td>19.</td>
<td>Proforma-4 - Details of GSTIN of the tenderer</td>
<td>61</td>
</tr>
<tr>
<td>20.</td>
<td>Proforma-5 - Bank account details for ECS payments</td>
<td>63</td>
</tr>
<tr>
<td>21.</td>
<td>Annexure E - Check list for submission of bid</td>
<td>64</td>
</tr>
<tr>
<td>22.</td>
<td>Annexure F - Drawings of EB metering panels</td>
<td>66</td>
</tr>
<tr>
<td>23.</td>
<td>Part II – Price Bid Schedule of quantities</td>
<td>68</td>
</tr>
</tbody>
</table>
Ref.No.NB(TN)/DPSP/ /BRQ-Lifting of metering panels/2022-23

Date:

NOTICE INVITING e-TENDER

Dear Sir/Madam

Invitation to bid for “Replacement and Lifting of Metering panels, Cabling and Earthing works in A, B, C & D blocks of NABARD Officers’ quarters at Bazullah Road, Chennai”

National Bank for Agriculture and Rural Development (NABARD) invites e-tenders in two bid system from all eligible bidders for the ‘Replacement and Lifting of Metering panels, Cabling and Earthing works in A, B, C & D Blocks of NABARD Officers’ quarters at Bazullah Road, Chennai’ as per the terms and conditions contained in the e-Tender / Request For Proposal (RFP). The Bidding document may be downloaded from Bank’s website https://www.nabard.org/ free of cost. The other details are given below:

<table>
<thead>
<tr>
<th>Type of tender</th>
<th>E – Tender</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of commencement of issue of Tender</td>
<td>14.10.2022 at 14.00 hrs</td>
</tr>
</tbody>
</table>

Availability & submission of tender

https://www.nabard.org(Availability)  
https://eprocure.gov.in/eprocure (availability)  
https://nabard.eproc.in (Availability & submission)  
The tender document will be available on the website, until the last date of submission i.e. 04.11.2022 at 14.00 hrs.

This tender including all relevant documents are to be submitted/ uploaded online through the said website only. Detailed guidelines/procedures to submit e-
<table>
<thead>
<tr>
<th><strong>Earnest Money Deposit (Bid Security)</strong></th>
<th>Rs.38,900/-</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Last date for submission of Pre bid queries</strong></td>
<td><strong>14.00 Hrs on 21.10.2022</strong> by e-mail to <a href="mailto:dpsp.chennai@nabard.org">dpsp.chennai@nabard.org</a></td>
</tr>
<tr>
<td><strong>Pre-Bid meeting date, time and venue</strong></td>
<td><strong>11.00 Hrs on 26.10.2022</strong> at NABARD Office, No. 48, Uthamar Gandhi Road, Nungambakkam, Chennai-34</td>
</tr>
<tr>
<td><strong>Last date of bid submission</strong></td>
<td>E-Tenders must be submitted latest by <strong>14.00 Hrs. on 04.11.2022</strong> at <a href="https://nabard.eproc.in">https://nabard.eproc.in</a></td>
</tr>
<tr>
<td><strong>Type of Bidding system</strong></td>
<td>Two bid (Technical Bid and Price Bid)</td>
</tr>
<tr>
<td><strong>Date and time of opening of technical bids</strong></td>
<td><strong>Date: 04.11.2022 Time:15.00 hrs.</strong></td>
</tr>
<tr>
<td><strong>Opening of Price bid</strong></td>
<td>To be notified separately to technically qualified bidders only.</td>
</tr>
<tr>
<td><strong>Security deposit</strong></td>
<td>5% of the gross value of the work done</td>
</tr>
<tr>
<td><strong>Place of receiving and opening of tenders</strong></td>
<td>NABARD Tamil Nadu Regional Office, No. 48, M G Road, Nungambakkam, Chennai – 34 Tel: 044-2830 4421 Email: <a href="mailto:chennai@nabard.org">chennai@nabard.org</a> <a href="mailto:dpsp.chennai@nabard.org">dpsp.chennai@nabard.org</a></td>
</tr>
</tbody>
</table>

2. It may be noted that NABARD reserves the right to change the dates mentioned in the tender which will be displayed, as corrigendum/ amendment, at the above websites on which bidding documents are available.

3. The pre-bid meeting date is indicated above. The clarifications, if any, should be submitted in writing at least two working days prior to the date of pre-bid meeting. All clarifications of the pre-bid meeting will form part of the tender and any corrigenda/addenda/pre-bid clarifications, etc., will be uploaded only on NABARD, C1 and CPP Portal.
4. The bidders are advised to attend the pre-bid meeting and before that, conduct a site survey to acquaint themselves with the existing system and satisfy themselves about the overall feasibility of the work.

5. Please note that all the information desired needs to be provided by the bidder in the formats specified by the Bank. The bidder shall bear all the costs associated with the preparation and submission of the bid and NABARD will, in no case, be responsible or liable for such costs, regardless of the conduct or outcome of tendering process.

6. Earnest Money Deposit transfer / transaction details must accompany with tender offers as specified in this tender document. Offers received without EMD will be rejected. The Earnest Money Deposit amounting to Rs.38,900/- must be deposited to the bank account provided below:-

| Name of Account : National Bank for Agriculture and Rural Development |
|-------------------------|-------------------------|
| Account Number (VAN) : NABADMN21 |
| Bank Name: NABARD |
| Branch Name : HEAD OFFICE, MUMBAI |
| IFS Code: NBRD0000002 |

7. The technical specifications, terms and conditions, various formats and proforma for submitting the tender offer are described in the tender document and its enclosures/annexures.

8. Before filling up the tenders, the bidders may note the following:

a. The bid shall be valid and open for acceptance for 3 months from the date of opening of the price bid
b. NABARD reserves the right to accept or reject any/all tenders in part or whole of any firm/firms without assigning any reasons for doing so. NABARD also reserve the right to split the items of work.
c. The successful bidder shall execute an agreement with NABARD at his cost on non-judicial stamp paper at prevailing rates in accordance with the standard format enclosed (articles of agreement) within 14 days from the date of issue of work order failing which bidders EMD may stand forfeited.
d. Any discrepancies, omissions, ambiguities in the tender documents, if any, or any doubt as to their meaning should be reported in writing to the “Chief General Manager, NABARD, Tamil Nadu Regional Office” who will review the queries and if information sought is not clearly indicated or specified, NABARD will issue clarifications to all the bidders, which will become part of the Tender Document. NABARD will not be responsible if the discrepancies, omissions, ambiguities in the tender documents or any doubts as to their meaning are not brought to the
notice of NABARD **before five working days prior** to the date of submission of the tender.

e. Applications containing false and/or incomplete information are liable for rejection.

9. NABARD reserves the right to accept/reject the tender/bids without assigning any specific reason.

Yours faithfully

(C Sumithra)
Deputy General Manager
FORM - e-TENDER

Shri. T. Venkatakrishna  
Chief General Manager  
National Bank for Agriculture and Rural Development  
Tamil Nadu Regional Office  
48, M.G.Road, Nungambakkam  
Chennai 600 034

Dear Sir/Madam

“Replacement and Lifting of Metering panels, Cabling and Earthing works in A, B, C & D Blocks of NABARD Officers’ quarters at Bazullah road, Chennai”

1. I / We have examined the Scope of Works, Specifications and Schedule of Quantities and Terms and Conditions relating to the tender for the said works after having obtained the Tender document invited by you.

2. I / We have visited the site, examined the site of works specified in the Tender Document and acquired the requisite information relating thereto as affecting the Tender.

3. I / We hereby offer to execute and complete the works in strict accordance with the Tender Document at the item rates quoted by me / us in the attached Schedule of Quantities in all respects as per the specifications and Scope of Works described in the Tender Document and the Annexures containing Terms and Conditions.

4. I / We enclose herewith transaction details for remittance / transfer of interest-free Earnest Money Deposit (EMD) of Rs.38,900/- (Rupees Thirty Eight Thousand Nine Hundred only) by NEFT. The sum shall be forfeited in the event of our withdrawal of tender before expiry of the validity period of offer and / or in the event of our failure to execute the contract when called upon to do so by accepting our Quotation.

5. In the event of this tender being accepted, I/we agree to enter into and execute the prescribed Agreement with NABARD as per the format given at Annexure B.

6. I/ We agree to pay all Government (Central and State) Taxes such as GST etc. and other taxes prevailing from time to time and the rates quoted by me/us are inclusive of the same.
7. The rates quoted by me / us are firm and shall not be subjected to variations on account of fluctuation in the market rates, any other reasons whatsoever.

8. Should this tender be accepted, I / we hereby agree to abide by and fulfill all the Terms and Conditions and Provisions of the said Contract Document annexed hereto so far as they may be applicable or in default thereof to forfeit the EMD and pay to the National Bank for Agriculture and Rural Development, the amount mentioned in the said tender conditions.

9. All the information furnished in this Application as also under the Annexures thereto are correct to the best of my/our knowledge.

10. Our valid electrical license details are:

11. Our Bankers are:

i)

ii)

12. Address of the firm :

Telephone No. : 
Email id : 
Mobile No.(s) : 
13. The name(s) of Partners/Directors of our firm are:
   i)                                   ii)                                   iii)

14. Name of the person(s) Authorized to sign the contract OR
    Name or person having Power of Attorney to sign the contract:
   i)                                   ii)                                   iii)

15. Name of the person(s) Authorized to sign and submit the Tender:

Documentary proof in respect of Letter of Authority / Power of Attorney enclosed along with the Tender.

Yours faithfully

(Signature of Tenderer)
Name :
Address :
Seal :
Date :
Place :
Guidelines / Procedures for e-tender

E-procurement is facilitated by C1 India (https://nabard.eproc.in) on behalf of NABARD. You are requested to read the terms & conditions of this tender before submitting your online tender. Bidder who do not comply with the conditions with documentary proof (wherever required) will not qualify in the Tender for opening of price bid.

Process of e tendering

- Selection will involve following stages i) upload of e-Tender ii) receipt of e-bids/e-tender iii) opening of technical bids iv) opening of financial bids v) award of contract. Bid will consist of two parts i.e. Technical Bid and Financial Bid.

- If for any reason, it is found that the Technical bid reveals the Financial Bid related details in any manner whatsoever, or, the Financial Bid is swapped in the file marked “Technical Bid”, the Bid document will be summarily rejected in the first instance itself.

- Separate E-bids for the work-Technical Bid and Financial Bid shall be downloaded from the website of https://nabard.eproc.in. Tenders received after stipulated date/ time shall not be entertained. Bidders are requested to make note of dynamic time being displayed on e-Procurement portal of NABARD to ensure that the bids are submitted on time. Late tenders will not be accepted under any circumstances.

(A) Registration:-

The process involves bidder’s registration with C1 India’s e-procurement portal, which is free of cost. Only after registration, the bidder(s) can submit his/their bids electronically. Electronic Bidding for submission of Technical Bid as well as Price Bid over the internet will be done. The Bidder’s should possess Class III or above signing type digital certificate. Bidders are to make their own arrangement for bidding from a P.C. connected with Internet. C1 India is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: The price bid and the commercial bid has to be submitted on-line at https://nabard.eproc.in
(1) Bidders are required to register themselves online with C1 India and create own user id and password. Bidders will receive a system-generated mail confirming their registration in their email, which has been provided during filling the registration form. Bidders are advised to refer to the NABARD e-tender manual for detailed guidance. In case of further clarification, please contact C1 India, (before the scheduled time of the e-tender).

<table>
<thead>
<tr>
<th>Primary Contact (C1 India)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sr. No.</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>1.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Secondary Contact (C1 India)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
</tr>
<tr>
<td>2.</td>
</tr>
</tbody>
</table>

(B) System Requirement:-

<table>
<thead>
<tr>
<th>Hardware Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Minimum Hardware Requirements:-</td>
</tr>
<tr>
<td>• Pentium IV and Above</td>
</tr>
<tr>
<td>• Minimum 4 GB RAM</td>
</tr>
<tr>
<td>• An available USB port (If Certificate is in USB-Token)</td>
</tr>
<tr>
<td>• User has to install USB-Token drivers into computer system before usage of application.</td>
</tr>
<tr>
<td>• If USB-Token driver is not installed before usage of application user cannot use his certificate for application</td>
</tr>
<tr>
<td>• Reliable Internet Connectivity.</td>
</tr>
</tbody>
</table>
Other Requirements

Operating System: Windows 7, vista, Windows 8, etc.

Browser Version: Internet Explorer Versions 10 or above

Note: Website will work only on Internet explorer
Java Component: Go to Control panel > Add/Remove Programs / Programs and features

Check whether Java Runtime Environment is installed on your machine or not.
(Only Single Java should be installed on the Machine)
Java Runtime Environment (Latest Java Download from www.java.com Offline mode)

- Part I Technical Bid will be opened electronically on specified date and time as given in the Notice Inviting Tender (NIT) Bidder(s) can witness electronic opening of the bid.

- Part II Price bid will be opened electronically of only those bidder(s) whose Part I Technical Bid is found to be Technical Bid acceptable by NABARD. Such bidder(s) will be intimated about the date of opening of Part II Price bid, through valid e-mail confirmed by them.

(2) All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.

(3) Bidders are instructed to use attach documents link in bidding floor to upload documents in document library. Multiple documents can be uploaded. Maximum size of single document for upload is 20 MB. For further assistance, please follow instructions of bidder guide.

(4) All notices and correspondence to the bidder(s) shall be sent by e-mail only during the process until finalization of tender by NABARD. Hence, the bidders are required to ensure that their corporate e-mail I.D. provided is valid and updated at the stage of registration of bidder.

(5) (i) Bidder are requested to see the web site again before the due date of tender submission to ensure that they have not missed any corrigendum uploaded against the said tender after downloading the tender document.
(ii) No separate intimation in respect of corrigendum to this NIT (if any) will be sent to bidder(s) who have downloaded the documents from web site. Please see Website nabard.eproc.in

(6) E-tender cannot be accessed after the due date and time mentioned in NIT.

(7) Bidding in e-tender:

(a) The process involves Electronic Bidding for submission of Technical Bid as well as Price Bid.

(b) The bidder should allow to run an application namely enApple by accepting the risk and clicking on run. This exercise has to be done twice immediately after clicking on the Technical Bid. If this application is not run, then the bidder will not be able to save/submit the bid.

(c) After filling the Technical Bid, Bidder should click ‘save’ for recording their Technical Bid. Once the same is done, the Price Bid link becomes active and the same has to filled up and then bidder should click on “save” to record their price bid. Then once both the Technical Bid & Price Bid has been saved, the bidder can click on the “Submit” button to register their bid.

**NOTE:** The Technical Bid & Price Bid can not be revised once the “Final Submission” button has been clicked by the bidder. In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.

At the time of submitting technical bid, the bidders are required to check photocopies of following documents should be enclosed/uploaded (Documents in original should be produced for verification as and when it is required by NABARD, failing which their bids will be summarily/outrightly rejected and will not be considered for any further correspondence):

- **a.** Registration Certificate as per existing norms (indicating the legal status – Company / Partnership firm/ Proprietorship Concern, etc.)
- **b.** Copy of GST Registration Certificates
- **c.** Copy of PAN Card
- **d.** Copies of Income Tax Return filed for last three financial years
- **e.** Copies of Annual Turnover details in Rupees for last three financial years including audited balance sheet and Profit & Loss Account.
- **f.** Charted accountant Certificate
- **g.** Work Experience Details, service provided to Government
Departments/PSUs/Autonomous Bodies/Corporate Bodies (Copies of Purchase Orders and completion certificates as required by Technical Bids received from Government Departments/PSUs/Autonomous Bodies/Corporates during each of the last three years should be enclosed/uploaded clearly indicating the annual payment given to the bidder. [please refer clause 7 of pre-qualification criteria in page number – 16]

h. EMD details or Certificate in case of MSEs

Signature:

Seal:
NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT

Instructions to the Tenderers for furnishing details in prescribed Proforma

1. The tenderers are required to submit their full bio-data giving details about their organization, experience, technical personnel in their organization, space capacity, competence and adequate evidence of their financial standing, etc. in the enclosed form (Proforma-1, 2, & 3) which will be kept confidential.

2. If the space in the proforma is insufficient for furnishing full details, such information may be supplemented on separate sheets of paper stating therein the part of the proforma and serial number. Separate sheets shall be used for each part.

3. Any letter or document accompanying the proforma shall be submitted in duplicate.

4. Tenders containing false and/or inadequate information are liable for rejection. The Bids shall not contain any conditions and in case of any conditions are specified, the same shall not be taken into consideration for evaluation and the bid is liable to be rejected.

5. While filling up the proforma with regard to the list of important projects completed or on hand, the applicants shall only include those works which individually cost not less than Rs. 7.76 lakhs. (Total Work estimated is Rs.19.41 Lakh)

6. Clarifications if any required may be obtained from the Department of Premises, Security and Procurement (DPSP), National Bank for Agriculture and Rural Development, No.48, Mahatma Gandhi Road, Nungambakkam, Chennai 600034.

7. While deciding upon the selection of tenderers for participating in the Price bid, emphasis will be given on the ability and competence of applicants to do good quality works within the specified time schedule and in close co-ordination with other agencies, besides the rate structure of the items. Also, emphasis will be given to the applicants who have executed majority of the similar works.

8. Price bids of only those tenderers qualified in the Technical Bid will be opened.

9. Decision of the Bank in regard to selection of tenderers for selecting them for price bidding will be final. The Bank is not bound to assign any reason therefore.
10. Each page of the tender document shall be signed. The application shall be signed by person/persons on behalf of the organization having necessary authorization/Power of Attorney to do so.

11. NABARD reserves the right to accept or reject any or all tenders, without assigning any reasons whatsoever. The work may be divided and awarded separately among the tenderers either in part or whole, at the sole discretion of NABARD.
GENERAL INSTRUCTIONS TO THE TENDERERS

1. The site of the proposed work of Replacement and Lifting of Metering panels, Cabling and Earthing works is in the A, B, C & D Blocks of NABARD Officers' quarters at Bazullah Road, Chennai.
2. Tenderers are advised to visit the site and thoroughly understand the nature and scope of the works and be familiar with the site conditions before quoting.
3. Electrical Contractors having minimum experience and qualification as given below shall be eligible for participating in the tender:
   a. The Tenderer should have experience of similar works (Electrical wiring and panel replacement works) during the last 7 years.
   b. The tenderer should possess valid Electrical EA/ESA Grade License issued by the electrical licensing board of Tamil Nadu. The copy of license with validity details shall be furnished along with tender.
   c. The annual turnover of the tenderer during each of the last 3 years should be at least Rs.5.83 lakhs.
   d. The tenderer should have done at least:
      i. Three similar works whose individual value is not less than Rs.7.76 lakhs
      ii. Two similar works whose individual value is not less than Rs.9.71 lakhs
      iii. One similar work whose value is not less than Rs.15.53 Lakhs
4. Quantities indicated in the BOQ are only tentative and shall be executed only at the sole discretion of NABARD.
5. Quoted rates should be workable and reasonable and should include incidental and all overheads and profits. The contractor should furnish Rate Analysis for scrutiny of the rates by NABARD, if required.
6. Rates should include all Taxes, Goods and Service Tax (GST), Duties, Octroi, Levies, Wages as per Act etc. and should be firm for the entire Contract period. No escalation of rates will be allowed for the entire contract period on any account.
7. Materials used should conform to relevant BIS Codes. BIS and CPWD Specifications and Method of Measurements shall be followed as applicable. However, in the absence of the same and / or in case of any discrepancy, the decision of NABARD shall be final.

8. The rates shall be inclusive of costs of all materials, labour, tools & tackles, taxes, etc., and all costs and expenses which may be required in for the completion of the work described, together with all general risks involved, liabilities and obligations set forth or applied in the documents on which the tender is based.

9. General directions and description of works and materials given elsewhere in the tender documents are not necessarily being repeated in the bill(s) of quantities. A reference shall be made to the other documents for the full information/details.

10. Unless otherwise specified in the description of items of work in bills(s) of quantities the rates shall be for all heights and levels.

11. Income Tax (TDS), Goods and Service tax (GST) and other applicable taxes as per statutory provisions will be effected on the total payment due to the Contractors.

12. All the Standard Conditions of the Contract shall be binding on the parties as per Indian Contract Act and prevailing Rules.

13. The Tenderer shall comply with all the applicable Acts, Rules, Regulations and Law (s) for entering into Construction / Maintenance Contract and NABARD will not in any way be liable or responsible for any default / irregularities / penalties on the Tenderer's part.

14. The Tenderer shall comply with the provisions of Contract, Labour (Regulation & Abolition) Act, 1970, Minimum Wages Act and all other Labour Laws and other Statutory Regulations (both Central and State) that may be enforced from time to time by the appropriate authorities. NABARD shall not be held responsible for any penalty or failure of any Labour Regulations. NABARD shall have the power to inspect the Wage Register and for physical verification of salary paid to the staff with reference to any records of the Tenderer and to insist the Tenderer to comply with Laws.

15. The Tenderer should be responsible to fulfill all the obligations in connection with the workers employed by the Tenderer for the purpose of the Contract and all the Statutory and other liabilities, if any, including minimum wages, leave salary, uniform, ex-gratia, gratuity, ESI, Provident Fund, Workmen Compensation, if any, etc. in connection therewith shall be on the Tenderer's account and payable by the Tenderer.
16. The Tenderer should obtain necessary permission that may be required for the purpose of this Contract from such authorities as may be prescribed by Law from time to time.

17. The Tenderer or his authorized representative should visit the site regularly as required by CONSULTANT/NABARD and meet them with prior appointment for any clarifications and to receive instructions, take measurements, etc. at the site.

18. The Tenderer should arrange to obtain necessary insurance cover (CAR policy (for 1.25 times of the value of the work) including Third Party Liability and Workmen Compensation policy) at his cost for his employees as well as for any third party for any losses due to him during the execution of the work. The tenderer shall be responsible for the safety of persons employed by him.

19. The Tenderer shall be fully responsible and shall compensate NABARD with suitable Insurance cover in the event of any damage to men or material, injury/damage or death as the case may be, caused directly or indirectly due to the negligence of the Tenderer or his agents and/or his employees or workmen. The decision of NABARD in this regard shall be final and binding.

20. House keeping the area of work and surrounding shall have to be carried out on daily basis.

21. Agency shall provide personal protective equipment (PPE) to its entire workforce.

22. The Tenderer shall indemnify the Employer against any losses as per format given at Annexure C.

23. Any act of indiscipline/misconduct/theft/pilferage on the part of any employee engaged by the Tenderer resulting in any loss to NABARD in kind or cash will be viewed seriously and NABARD will have the right to claim damages or levy fine and/or terminate the Contract forthwith, if necessary.

24. In case of any default or failure on Tenderer’s part to comply with all/any one of the Terms/Conditions, NABARD reserves to itself the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amount/s from dues otherwise payable to Tenderer and/or by taking recourse to appropriate recovery proceedings.

25. If any dispute arises on any matter concerning this Contract, the decision of NABARD shall be final and binding.

26. The Tenderer should not at any time do, cause or permit any nuisance on the site/do anything which shall cause unnecessary disturbances or inconvenience to the occupants/visitors at site or near the site of work.
27. The work should be carried out with least inconvenience to the NABARD employees. The workmen employed by the Tenderer should abide by the Rules and Regulations maintained by CONSULTANT & NABARD in the premises, especially in respect of working hours, entry of the workers to the premises, interpersonal relation with the occupants etc.

28. The Tenderer should obtain approvals, if any, necessary for the work from the statutory bodies on behalf of NABARD. The Tenderer shall assist CONSULTANT & NABARD fully in respect of any liaison with TNEB/Municipal or any other authority for necessary approval/permission with regard to the construction/maintenance works. The fees and other statutory charges, if any, will be reimbursed to the Tenderer based on the original receipts produced to NABARD.

29. The Contract can be terminated by NABARD on 15 days’ notice if services are found to be unsatisfactory and if there is no improvement even after issue of three notices to the tenderer.

30. On site storage space will be provided to the Tenderer subject to availability. However, the Tenderer may erect temporary sheds for storage purposes at his cost with the permission of NABARD. NABARD will not be responsible for Tenderer’s materials. The Tenderer may be required to vacate the storage space and sheds as per exigency without any extra cost to NABARD. If any statutory charges are required to be paid for erection of sheds, the same should be borne by the Tenderer.

31. The Tenderer shall provide everything necessary for the proper execution of the works. NABARD will not supply any Tools, tackles and measuring instruments or any other equipment, labour, etc. and no payment in this respect will be made by NABARD. The Tenderer shall supply, fix and maintain all the scaffoldings, jhulla, T&P etc. at his cost during the execution of work and remove them as soon as the work is completed.

32. The Tenderer shall not directly or indirectly transfer, assign or sublet the Contract or any part of it, without written permission of NABARD.

33. The tenderer shall guarantee that the work shall be free from any defects whatsoever for a period of five years i.e., Defects Liability Period (warranty) from the date of completion/ commissioning of the work. Any defect which may appear within the Defect Liability Period of 5 years after the completion of work should be rectified by the Tenderer at his cost and only thereafter the Security Deposit/ RMD will be refunded to the Tenderer.
34. **RETENTION MONEY DEPOSIT (RMD)/ SECURITY DEPOSIT (SD):** Five percent (5%) of the gross value of the work done and claimed in the Bills shall be deducted towards Retention Money Deposit. Thus deducted RMD in each RA bill shall be taken into account and adjusted towards Security Deposit while settling the Final Bill. The Security Deposit will not bear any interest and will be refunded after Defects Liability Period of 5 years from the date of Virtual Completion of works, provided the Tenderer has satisfactorily carried out all the rectification works and attended to all defects to the satisfaction of NABARD. Warranty for the electrical fittings like MCBs, wire and cables shall be for 5 years from the Virtual completion of work.

35. Any defects or shortcomings found during execution of work and during the defects liability period from the completion of the entire work shall be attended/rectified by the tenderer without any extra cost to the Employer. In case of failure to do so within 10 days from such notice from the Bank, the Employer may get such rectification works carried out through any other firm and expenditure incurred by the Bank shall be recovered from any money due to the Tenderer at the cost and risk of the tenderer.

36. **CERTIFICATE OF VIRTUAL COMPLETION OF WORKS:** The Tenderer shall report in writing to the Employer in the form of a Certificate as per the format given at **Annexure A**, as and when the works are completed in all respects. The Employer shall, after due verification of the works, issue to the Tenderer a certificate to be called "Virtual Completion Certificate" (VCC) as per format given at Annexure A. The defects liability period shall commence only from the date of actual completion.

37. **VALIDITY OF OFFER:** 60 Days from the date of opening of the price bid.

38. **LIQUIDATED DAMAGES:** 0.25% of the estimated cost, per week, subject to a maximum of 5% of the accepted tender amount. The fraction of a week’s delay will be taken as a delay of one week.

39. **PAYMENT OF TENDERER’S BILL:**

   a. The Tenderer shall be entitled under the Interim Certificates, payment against the checked bills for the work done not prior to 20 days from the date of issue of the work order subject to the actual work being executed in accordance with the contract, and reasonable scrutiny by NABARD. The Tenderer shall submit interim bills only after working out the appropriate measurements jointly recorded with consultant/NABARD at site in the measurement book (MB). This is not only to regulate the correctness of the quantity but also to facilitate
expeditious clearing of the bills. **The Minimum value of Interim Bill shall not be less than Rs.3.00 lakhs.**

b. Interim Bills submitted by the Tenderer will be paid by NABARD after all the statutory deductions viz. RMD @ 5%, TDS, GST-TDS and other statutory deductions etc., as applicable.

40. **COMPLETION PERIOD:** The work should be completed within 45 days from the day of issue of work order.

41. **DELAY AND EXTENSION OF TIME:** If, in the opinion of the Employer the works be delayed (a) by force majeure or (b) by reason of any exceptionally inclement weather or (c) by reason of proceedings taken or threatened by the dispute with adjoining or neighboring owners or public authorities arising otherwise than through the Tenderer’s own default or (d) by the works or delays of other Tenderers or tradesmen engaged or nominated by the Employer and not referred to in the Schedule of Quantities and/or Specifications or (e) by reason of Employer’s instructions, or (f) by reason of civil commotion, local commotion of workmen or strike or lockout affecting any of the building trades or (g) in consequence of the Tenderer not having in due time necessary instructions from the Employer for which he shall have specifically applied in writing, ahead of time, giving the Employer reasonable time to prepare such instructions, the Employer shall make a fair and reasonable extension of time for completion of the Contracted works. In case of such strike or lockout, the Tenderer shall, as soon as may be, given written notice thereof to the Employer, but the Tenderer shall nevertheless constantly use his endeavors to prevent delay and shall do all that may reasonably be required to the satisfaction of the Employer to proceed with the work.

42. **ARBITRATION:** All disputes or differences of any kind whatsoever which shall at any time arise between the parties hereto touching or concerning the works or the execution or maintenance thereof of this contract or effect thereof or to the rights or liabilities of the parties or arising out of or in relation thereto whether during or after determination foreclosure or breach of the contract (other than those in respect of which the decision of any person is by the contract expressed to be final and binding) shall be decided by written notice by either party to the contract to the other of them and to the Employer hereinafter mentioned be referred for adjudication to a sole Arbitrator to be appointed as hereinafter provided. For the purpose of appointing the sole Arbitrator referred to above, the Employer will send within thirty days of receipt of the notice, to the tenderer a panel of three names of
persons who shall be presently unconnected with the organization for which the work is executed from the following categories of Arbitrators:

a) Retired High Court/Supreme Court judge who have experience in handling Arbitration Cases.
b) Member of Council of Arbitrators
c) Fellow of the Institution of Engineers
d) Eminent Retired Chief Engineer from State/Central PWD/Public sector Undertaking of good reputation and integrity
e) Fellow of Indian Institute of Architects

The tenderer shall on receipt of the names as aforesaid, select any one of the persons’ name to be appointed as a sole Arbitrator and communicate his name to the Employer within thirty days of receipt of the names. The Employer shall thereupon without any delay appoint the said person as the Sole Arbitrator. If the tenderer fails to communicate such selection as provided above within the period specified, the Competent Authority should make the selection and appoint the selected person as the Sole Arbitrator.

If the Employer fails to send to the tenderer the panel of three names as aforesaid within the period specified, the tenderer shall send to the Employer a panel of three names of persons who shall all be unconnected with either party. The Employer shall on receipt appoint him as the Sole Arbitrator. If the Employer fails to select the person and appoint him as the Sole Arbitrator within 30 days of receipt of the panel and inform the tenderer accordingly, the tenderer shall be entitled to appoint one of the persons from panel as the Sole Arbitrator and communicate his name to the Employer.

If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another Sole Arbitrator shall be appointed as aforesaid. The work under the Contract shall, however, continue during the arbitration proceedings and no payment due or payable to the tenderer shall be withheld on account of such proceedings.

The Arbitrator shall be deemed to have entered on the reference on the date he issued notice to both the parties fixing date of the first hearing. The Arbitrator may from time to time, with the consent of the parties, enlarge the time for making and publishing the award.
The arbitrator shall give a separate award in respect of each dispute or difference referred to him. The Arbitrator shall decide each dispute in accordance with the terms of the contract and give a reasoned award. The venue of arbitration shall be such place as may be fixed by the Arbitrator in his Sole discretion.

The award of the Arbitrator shall be final and binding on the both the parties.

Subject to aforesaid the provisions to the Arbitration Act, 1996 or any statutory modification or re-enactment thereof and the rules made there under, and for the time being in force, shall apply to the arbitration proceeding under this clause.

The Employer and the tenderer hereby also agree that arbitration under clause shall be condition precedent to any right to action under the contract with regard to the matters hereby expressly agreed to be so referred to arbitration

I/we accept all the above Terms and Conditions in all respects without any reservation.

Place:  
Date:  
Signature:  
Name & Seal:  
Address:
NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT

TERMS AND CONDITIONS

1. The Tender is strictly on Item Rate basis.

2. All the pages of the Tender Document shall be signed by the bidder.

3. All the applicable documents shall be uploaded in the E-tendering website, as mentioned elsewhere in the document.

4. The Techno-commercial bid (Part-1) shall be opened at **15.00 hrs on 04.11.2022** in the presence of bidders/their authorized representatives, who choose to be present.

5. The Price Bids (Part-2) of those bidders whose Techno-commercial bid are in line with the requirements and acceptable to the employer as per the Notice Inviting Tender and terms and conditions of the tender document shall only be qualified to award the work. The **price bid will be opened at a later date only for the technically qualified bidders. The date of opening of the price bid will be communicated to the bidders after the scrutiny of the Technical Bid.** The decision of the Employer in this regard shall be binding on the bidders and not open to question or appeals.

6. Bids submitted by unauthorized agents and by way of offline / Email shall not be entertained / considered.

7. Bidders are advised to visit the site at their cost, conduct survey of existing conditions so as to familiarize themselves with the site conditions, nature of works etc. and get all clarifications as may be necessary from CONSULTANT/ NABARD before pre-bidding meeting and quoting the rates.

8. Rates should include for removal of debris out of premises to the safe Municipal limits, removing stains, cleaning the site thoroughly and unless the same is done to the satisfaction of the CONSULTANT & NABARD, the bill will not be accepted.

9. Quantities mentioned in the schedule of quantities may vary to any extent or may be deleted without assigning any reasons and as such, the rates quoted should be firm, workable, reasonable and should include all kinds of Taxes as applicable, overheads and profit etc. No separate charges for carriage or labour would be made. There is no question of extra payment above the quoted rate under any circumstance. In case of any variation in quantity or value, the same will not be made as a subject matter for dispute by the bidder.
10. The tenderer shall at the instructions of the Employer within such time as notified, open up for inspection any work and should the tenderer refuse or neglect to comply with such instructions, the Employer may employ other workman to open the same. Such work if it is found not in accordance with approved specifications, or the instructions, expenses of opening up and redoing, if required, shall be borne by and recoverable from the Tenderer from any money due or which may become due to the tenderer.

11. The successful tenderer is bound to carry out any or all items of work necessary for the completion of the job even though such items are not included in the quantities and rates.

12. The Tenderer shall make necessary arrangement for watch and ward.

13. The bidders should quote their rates strictly adhering to Terms and Conditions stipulated in the Tender Document. Unsolicited correspondence after opening of the Tender shall not be entertained. Conditional/Deviation Tenders may be rejected without making any reference to the bidders.

14. No bidder will be allowed to withdraw his Tender during the validity period.

15. Rates should be filled in the Bidders Schedule of Quantity in the Price–Bid (Part-2) neatly and no correction shall be made. Corrections, if any should be duly authenticated by the signing authority. The rates quoted should be written legibly in words and figures. If on check, differences are observed between the rates given by the Tenderer in words and figures or in the amount worked out by him, the following procedure shall be followed.

i. When there is a difference between the rates in figures and in words, the rates, which corresponds to the amounts worked out by the Tenderer shall be taken as correct.

ii. When the amount of an item is not worked out by the Tenderer or it does not correspond with the rate written either in figures or in words, then the rate quoted by the Tenderer in words shall be taken as correct.

iii. When the rates quoted by the Tenderer in figures and in words tally, but the amount is not worked out correctly, the rate quoted by the Tenderer shall be taken as correct and not the amount.

16. No advance shall be paid towards mobilization and cost of materials.

17. No compensation shall be admissible for any loss suffered by the Tenderer during the execution of the work. It shall be the Tenderer's sole responsibility to protect NABARD's staff and his employees against accidents from any cause and
he shall indemnify NABARD against any claims for damage for injury to person or property, resulting from any such accidents with necessary Insurance cover.

18. Any damages caused to the building / premises during the execution of the work shall be made good by the Tenderer at his risk and cost and if necessary, through suitable Insurance cover.

19. The tenderer has to make his own arrangement of stay for his employees.

20. The Tenderer shall use necessary safety equipment and maintain all safety measures during the execution of works and ensure compliance of Safety Code as per Rules and Regulations in force.

21. The agency shall engage a qualified and experienced supervisor who can understand the instructions given by engineer-in-charge/consultant and can read & interpret the specifications and execute the job accordingly for attending to day to day affairs.

22. The Tenderer shall submit the bills along with the accepted and jointly recorded measurement sheets duly certified by the CONSULTANT& NABARD's Engineer.

23. The Tenderer should have necessary Contract License and comply with the Labour Laws as applicable.

24. Notwithstanding anything stated above, NABARD reserves the right to assess the bidder's capability and capacity to perform the contract, should the circumstances warrant such assessment in the overall interest of NABARD.

25. The decision of NABARD in awarding the work shall be final and cannot be subjected to arbitration.

26. NABARD reserves the right to accept / negotiate / reject any Quotation either in whole or in part without assigning any reasons therefore whatsoever and without entering into any further correspondence and hence, NABARD shall be under no obligation to accept the lowest or any other Quotations received in response to this Quotation. The decision of NABARD in this regard shall be final and indisputable.

27. NABARD also reserves the right of supersession of any of the conditions stipulated in the Quotation Document.

28. The tenderer shall require shifting some of the wires, cables and other electrical items, etc., to some other places within the premises during the time of work
and may also be required to place them in the appropriate place after completing the work. **No extra payment will be made for those works.**

29. There will be other works being carried out by various tenderers in the said office premises. Hence Care should be taken not to damage any other works and also to coordinate with the other work tenderers.

30. Measurement Book: The payment for all works done and for all materials supplied shall be made on the basis of detailed measurements recorded in MBs.

31. Testing of Materials: The tenderers are required to submit samples of various materials, items, fittings, etc. for the approval of the Consultant/ Bank. The materials of brand names, if any, given in the contract shall only be selected.

32. Final bill: The final bill has to be submitted by the tenderers as early as possible after the completion of the work along with completion of recording the final measurements and Necessary Certificate from the appropriate authority may be produced.

33. Co-ordination and Monitoring: The tenderer’s site supervisor/ engineer will be coordinating and monitoring the project and report the progress to NABARD on weekly basis.

34. Site order book: Site order book shall be maintained on the site for issuing instructions to the tenderer in the course of day to day supervision of the work.

35. Hindrance register: A hindrance register shall be maintained at the site to have a record of hindrances in the progress of work which may result in delays.

**DECLARATION BY THE TENDERER**

I / We hereby declare that I/We have read and understood the above instructions to the bidders and that the same are binding on me /us.

**Date:**

**Place:**

**Signature of Bidder:**

**Seal:**
NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT

SCOPE OF THE WORK

1. Replacement and Lifting of Metering panels in A, B, C & D Blocks of Bazullah road, NABARD Officers’ Quarters
2. Liaisoning with TANGEDCO for shifting of energy meters from existing metering panels to new metering panels
3. Cabling from EB feeder pillar to metering panels
4. Earthing of new panels
5. Placement of junction boxes at the present metering panel locations and extending the sub mains from these junction boxes to newly installed metering panels through copper cables

General Conditions

1. Though mentioned above, the scope of the work is not limited strictly to the areas/units mentioned, but is required to be carried out at any other locations other than those mentioned above as directed by the CONSULTANT/NABARD Engineer in charge.
2. Supply of manpower with tools and tackles etc., along with supervision to carry out the miscellaneous jobs as directed by the CONSULTANT/NABARD Engineer-in-charge.
3. All the jobs given to the agency shall be taken up on priority basis without any delay by mobilizing all the resources immediately at site.
4. If the job is delayed beyond the given schedule, NABARD shall be at its discretion to execute job through any other suitable agency at the risk and cost to the original agency.
5. There may be other tenderer working inside/ outside the flats simultaneously for carrying out other works. Cooperation and coordination between the tenderers shall be maintained including permitting them to use the Scaffoldings.

DECLARATION BY THE TENDERER

We / I have read and understood all the instructions / conditions made above and we / I have taken into account the above Instructions /Terms and Conditions while quoting the rates. We / I accept all the above Terms and Conditions without any reservation, in all respects.

Place:  
Date:  

Signature:  
Name and Seal:  
Address:
SPECIFICATIONS FOR ELECTRICAL INSTALLATION WORKS

Note:
(i) These specifications are not meant to be exhaustive and prescribe the minimum acceptable standards. Where these do not cover certain items and aspects the best engineering practice shall be followed:

(ii) All codes and standards mean the latest. A list of I.S. Codes is attached to these specifications as an annexure. This list is also meant to be exhaustive and all relevant codes with divisions published on date shall be applicable.

1. GENERAL

1.1 The entire electrical installation work shall be carried out in accordance with approved Drawings and in general conformity with the requirements of the Indian Electricity Act, 2003 the Indian Electricity rules, 1956, the relevant BIS codes of practice, as amended to date, wherever applicable and the regulations of the local licensing bodies CEA etc. Where such installations are subject to inspection and approval of fire insurance and Explosives Authorities the Installation shall be planned and executed also confirming to their Regulations/rules.

1.2 The specifications herein and the IEE Rules/Regulations of the local licensing Authority CEA and of the Fire Insurance/Explosives Authorities, the latter shall prevail.

1.3 The specifications herein and the I.S.S, the former shall prevail

1.4 Rates for all items of work are deemed to include costs for all operations involved in adhering to the specifications (including the IEE Rules/Regulations of the local licensing Authority CEA of the Fire Insurance/Explosives Authorities, the I.S.S.) Unless there is a provision to the contrary in the schedule of quantities.

2. SCHEDULES

The precise positions of all Metering panels, earth electrodes and cable routing shall be as per the present locations and same shall subject to the approval of Consultants / NABARD wherever required.

3. SUPERVISION

From the tenderer's side supervision shall be carried out by person/persons holding certificates of competency of appropriate class issued by the respective State Government bodies authorized to issue such certificates under statutory rules and regulations in force.
The name/names of such supervising personnel shall be approved by the consultants.

4. TESTING AND COMMISSIONING

On completion of the work and/or at the appropriate stages of the works as necessary, the tenderer shall arrange for all necessary tests for proper operation, continuity, etc. of the necessary installation/equipment/plant etc., in accordance with the provisions in the IE rules, relevant IS codes of practice and commission the completed installation. He shall furnish a certificate and guarantee in the prescribed form (attached to the tender document), countersigned by the licensed and qualified supervisor under whose direct supervision the installation will be taken over by the Employer only on its being so commissioned, the test results being thoroughly satisfactory.

On completion of work four sets of drawings of the general arrangement of metering panels SLD, cable routing and earthing layout shall be submitted for client’s records.

The work shall not be deemed to be complete and the installation will not be taken over if the test results are not within satisfactory limits. In case the results are unsatisfactory the tenderer is required to carry out all necessary rectifications/modifications at his level of own cost to bring the installation/equipment to the level acceptability within a period of 4(four) weeks from the date of test and the defects liability period of 12 months will stand extended by period of delay in such rectification/ modification that is in excess of said period of 4 weeks.

5. WORKMANSHIP:

First class workmanship and neat appearance are essential requisites for compliance with these specifications.

6. MATERIALS AND MAKES:

All materials, equipment, fittings fixtures, appliances, accessories, etc., to be used in installation shall comply in all respects with the requirements of the Indian Electricity Act 1916, and the Indian Electricity Rules 1956 and the relevant Indian Standard codes and regulations of the local electricity supply authorities and the Central Electrical Authority. The electrical fixtures shall be of the best quality obtainable in the makes/manufacture specified in the make list, samples being approved by consultants / NABARD.
7. METERING PANELS

a. The switch boards shall be free standing mounted with angle iron stand 750mm high from finished ground level grouted to ground for about 150mm with cement concrete. The panels shall be fabricated out of 16 SWG CRCA for the main body and 14 SWG CRCA for gland plates. After fabrication the panels shall be subjected to 7-tank for degreasing and final treatment. The panel shall then be powder coated to Ral 7032. The switch boards shall of cubicle construction with bus bar chamber at the middle as per General arrangement drawing attached.

b. The main cut out fuse cubicle, the bus bar chamber and meter chamber shall have bolted doors with sealing arrangement. The MCB cubicle alone shall have hinged door with locking knob.

c. The bus bars shall of electrolytic quality aluminum with current density of 0.8A/mm². The size of bus bar shall be selected as per the current carrying capacity mentioned in the BOQ. The bus bars shall be supported on SMC supports. The bus bars shall be sleeved with PVC and colour coded. All the internal partitions of the switch board shall be with sheet metal only. All interconnections from bus bar to cut out fuses, Meters and MCBs shall be with adequate size PVC insulated copper wires. The sizing of neutral bus is shall be same as phases.

d. The panel will have a continuous earth bus of size 25x6 mm aluminium along the length of the panel and fixed at bottom chamber of switch board with provisions for connecting earth grid at both ends.

e. All the MCBs shall be mounted in each cubicle on the MS mounting plates with DIN channels. Energy meters and cut out fuses shall be mounted in metering cubicle. Tests to be carried out as per IS at factory: All routine tests as per IS such as insulation resistance of bus bars with switch gears in ON position, HV test for bus bars with all switchgears in ON position and operational sequence are to be carried out and test certificate to be issued by the panel fabricator.

f. Sufficient clearances between bus bars as per IS to be provided. The cable chamber should have enough space to terminate the required sizes of cables. The tenderer has to remove the existing cable terminations when removing the existing panel and same to be re-terminated in the new panel.

g. Metering panel shall consist of following
   - 3 no 500A porcelain cut out fuses and 1 no 300A neutral link
   - 500A TPN Aluminium bus bars PVC sleeved and colour coded supported on SMC
   - 8/9 no outgoing (As given in BOQ) fitted with 3 no 63A cut out fuses and 1 no 30A neutral link
   - Space for fixing energy meter
   - 1 no 63A 4P MCB, 10 ka
   - Interconnection between bus bar, 63A cut out fuses and MCB shall be with 4R 6 Sqmm PVC insulated copper wires
- Interconnection between bus bar and 500A cutout fuses shall be with adequate rating aluminium bus bar
- The bus bar chamber, 63A cutout chambers, 500A cutout chamber and meter chamber shall have bolted doors with sealing arrangements. The bus bar chamber shall be provided with ventilation louvers.
- MCB chamber will have hinged door with locking knob
- Bottom chamber of the panel shall be fixed with 25x6mm copper earth bus with provision for earthing at both ends
- The metering panel to be erected on a angle iron pedestal 750mm from finished ground level. The angle iron pedestal shall be grouted to the floor with cement concrete upto a depth of 150mm
# Data Sheet For MCB

## Miniature circuit breakers (MCB)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference standards</td>
<td>IS/IEC 60898-1, IS/IEC 60947-2</td>
</tr>
<tr>
<td>Type</td>
<td>C for inductive loads</td>
</tr>
<tr>
<td>No of poles</td>
<td>Single</td>
</tr>
<tr>
<td>Rated current</td>
<td>As mentioned in BOQ</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>240/415VAC</td>
</tr>
<tr>
<td>Rated frequency</td>
<td>50 HZ</td>
</tr>
<tr>
<td>Rated short circuit breaking capacity</td>
<td>10 Ka</td>
</tr>
<tr>
<td>Magnetic release setting</td>
<td>5-10In for C curve and 10-20In for D curve</td>
</tr>
<tr>
<td>Rated insulation voltage</td>
<td>500/690V</td>
</tr>
<tr>
<td>Rated impulse voltage</td>
<td>4 kV</td>
</tr>
<tr>
<td>Dielectric strength</td>
<td>2.5 kV</td>
</tr>
<tr>
<td>Electrical/mechanical endurance</td>
<td>4000 operations</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-5 to +55°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>95% RH</td>
</tr>
<tr>
<td>Energy Limit class</td>
<td>3</td>
</tr>
<tr>
<td>Maximum Terminal capacity</td>
<td>35mm²</td>
</tr>
<tr>
<td>Tightening torque</td>
<td>2N-m</td>
</tr>
<tr>
<td>Vibration</td>
<td>3g</td>
</tr>
<tr>
<td>Shock resistance</td>
<td>40mm free fall</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP-20</td>
</tr>
<tr>
<td>Positive contact indication (Optional)</td>
<td>Red for ON, Green for Off and white for trip</td>
</tr>
<tr>
<td>Mounting</td>
<td>On DIN rail</td>
</tr>
<tr>
<td>Position of installation</td>
<td>Vertical/Horizontal</td>
</tr>
<tr>
<td>Housing</td>
<td>Flame retardant thermoplastic material</td>
</tr>
<tr>
<td>Tripping and arc control</td>
<td>Current limiting design</td>
</tr>
<tr>
<td>Positive contact indication</td>
<td>Red for ON, Green for Off</td>
</tr>
<tr>
<td>Tripping and arc control</td>
<td>Current limiting design</td>
</tr>
</tbody>
</table>
Power cables

The power cable to be used for interconnecting metering panel incomer feeder to the EB feeder pillar shall be 1.1 KV grade aluminium armoured XLPE insulated cable of size 3.5C 120 Sqmm. The same shall be laid in a 100mm dia HDPE pipe buried in ground. Both ends of cable shall be terminated to the panel with single compression brass cable gland and aluminium crimping sockets. The cable glands are to be earthed with a copper ring and connecting same to earth grid with 14 WG copper wire. The cable shall conform to IS-7098-Part-1/1988. The interconnection between the junction box near existing metering panels and the newly erected metering panels shall be with 4x6 Sqmm copper armoured XLPE cables. The termination for these cables shall be with single compression brass glands and copper crimping sockets with gland earthing.

Porcelain cut out fuses & Neutral bar

The porcelain cut out fuses to be used in the metering panel shall be of high quality conforming to IS-2086. The incomer cut out fuse rating shall be 500A and outgoing feeders shall be 63A. Tinned copper fuse wires as per IS-9962-1981 shall be used as per ratings given below.

For 500A use 2x4mm wire

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Description</th>
<th>Make-1</th>
<th>Make-2</th>
<th>Make-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MCB</td>
<td>Legrand</td>
<td>Hager</td>
<td>ABB</td>
</tr>
<tr>
<td>2</td>
<td>Porcelain fuses</td>
<td>Havells</td>
<td>GEC</td>
<td>Bosma</td>
</tr>
<tr>
<td>3</td>
<td>Power cables</td>
<td>Polycab</td>
<td>Gloster</td>
<td>Havells</td>
</tr>
<tr>
<td>4</td>
<td>Earth electrode</td>
<td>Jyothi</td>
<td>Aslok</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Metering panels</td>
<td>Laksmi Engg</td>
<td>Ganapathy fab</td>
<td>Cotrol&amp; Engg</td>
</tr>
<tr>
<td>6</td>
<td>Junction box</td>
<td>Laksmi Engg</td>
<td>Ganapathy fab</td>
<td>Cotrol&amp; Engg</td>
</tr>
<tr>
<td>7</td>
<td>Terminal station</td>
<td>Elmex</td>
<td>Connect well</td>
<td>Phoenix</td>
</tr>
<tr>
<td>8</td>
<td>LT cable straight through Jointing kit with all accessories</td>
<td>Reychem</td>
<td>3-M</td>
<td></td>
</tr>
</tbody>
</table>

The cut out holder shall be made of tinned copper with good conductivity

Neutral bar shall have the same rating as the rating of fuses and shall be made of copper and with proper insulated supports. The neutral terminal has to be there for incomer fuses and also outgoing feeder fuses.
Panel wiring

The interconnection of bus bar to 63A cut out fuses and to energy meter are to be carried out with 4R PVC insulated multi strand copper wires of size 6 Sqmm. The end joints shall be made with copper crimping sockets. The interconnection between 500A cut out fuses and bus bar shall be with Aluminium bus bar of adequate current carrying capacity.
SPECIAL INSTRUCTIONS TO BIDDERS

1. **Scope of Supply of Water and Electricity by NABARD**
   Only power and water will be supplied at free of cost as per the following: Power will be supplied free of cost at the nearest available source. However, Agency shall make their own arrangements for tapping and distribution at their own cost. Water will be supplied, free of cost, at the nearest available source at one point. However, Agency shall make their own arrangements for tapping and distribution at their own cost.

2. **Scope of Supply of Materials by the Agency**
   All materials, consumables, testing appliances, construction equipment, tools & tackles, skilled, unskilled manpower, supervision necessary for completing the work shall be procured and supplied by the Agency at their own cost for timely completion of job in all respects to the entire satisfaction of Engineer-in-Charge.

3. **Payment Terms**
   i. Payments will be made against Running Accounts Bills certified by Consultant/ NABARD's Contact Person for this job/ his nominated representative within 15 Days from the date of receipt of the certified bill by NABARD.
   ii. Running Account Bills and the Final Bill (against this work order) shall be submitted by the Tenderer together with the duly signed measurements sheet(s) to Consultant/NABARD's contact Person for this job / his nominated representative in duplicate for certification. The Bills shall also be accompanied by quantity calculations in support of the quantities contained in the bill, actual/theoretical, wherever applicable duly certified by Consultant / NABARD’s Contact Person for this job/ his nominated representative.
   iii. All Running Account payments shall be regarded as on account payment(s) to be finally adjusted against payment of the Final Bill (against this Work Order). Payment of Running Account Bill(s) shall not determine or affect in any way the rights of Consultant/NABARD under this Contract to make the final adjustments of the quantities of material, measurements of work and adjustments of amounts etc., in the Final Bill (against this Work Order)
   iv. The Final Bill (against this WO) shall be submitted by the Tenderer within one month of the date of completion of the work fully and completely in all respects. If the Tenderer fails to submit the Final Bill (against this WO) accordingly, Consultant/NABARD’s Contact Person for this job/ his nominated representative, may make the measurement and determine the total amount payable for the work carried out by the Tenderer and such a certification shall be final and binding on the Tenderer. Consultant/NABARD’s Contact Person for this job/ his nominated representative, may take the assistance of an outside party for taking the measurement, the expenses of which shall be payable by the Tenderer.
v. Payment of the Final Bill (against this WO) shall be made within 30 days from the date of receipt of the certified bill by the Disbursement Section of NABARD.

4. Rate is inclusive of all taxes and No additional amount will be paid by NABARD to the tenderers. NABARD will deduct the statutory taxes that are applicable from time to time from the tendered value.

5. The bidders shall visit the site and fully understand the scope of the work before quoting for the work. Clarifications and doubts, if any shall be got clarified from the Bank's Engineer/Consultant.

6. Statutory payment if any, required to be paid to Authorities, on behalf of NABARD for any aspect of the work shall be reimbursed on producing relevant receipts. **No payment shall be made without producing receipts.**

7. The work shall be done strictly following decorum and discipline with least inconvenience to the residents.

8. Debris shall be periodically removed from the site. Debris/waste materials shall be removed from the premises periodically during the progress of the work. The scrap/waste shall not be accumulated/dumped in the premises.

9. **Special care should be taken not to leave unfinished work overnight, and safety arrangement to be provided all around the work area while work is executed at all time.**

10. The specifications/list of approved makes as indicated elsewhere in the document shall be strictly adhered to. If any item is not available as per the list of makes specified, approval has to be obtained for equivalent make, after having produced proof of non-availability of the item in the market.

11. The contract is strictly on item-rate basis. The quantities as executed, measured and accepted for payment shall be settled as per rates quoted. No escalation in rates for whatsoever reasons shall be entertained.

12. The old materials shall be carefully dismantled and removed before installing the new system.

13. The total amount quoted for the items of work in the schedule, less the buy back amount if any for the existing meter boards, fuses, switches etc. shall only be taken for arriving at the Li bidder.

14. **Notwithstanding any insufficiency in detailing the scope of the work, the work is deemed to be done on turnkey basis strictly adhering to specification and instructions of the Bank from time to time and also conforming to prevalent BIS/NBC norms.**

15. The cost for travel and other arrangements for witnessing the tests by the Bank’s Engineer/Consultant at the vendor’s works shall be borne by the Tenderer.

16. As directed by the Bank/Consultant, the tenderer has to carry out the work late/ work on Saturdays/Sundays/Holidays with prior approval so as to ensure smooth flow and timely completion of the work.
17. Permission, if any required, from the local statutory authorities / bodies shall be obtained by the tenderer at his own cost.
18. The replacement of existing metering panels and cabling are to be carried out after taking the consent of the residents on any day and same has to be completed on the same day and re-commissioned to avoid any power supply disruptions to the residents

DECLARATION BY THE TENDERER

We / I have read and understood all the instructions / conditions made above and we / I have taken into account the above Instructions / Terms and Conditions while quoting the rates. We / I accept all the above Terms and Conditions without any reservation, in all respects.

Place: 
Date: 

Signature: 
Name and Seal: 
Address:
SPECIAL CONDITIONS OF THE CONTRACT

a) The work has to be carried out only by Electrical tenderers who are authorized by the Tamil Nadu Electrical Inspectorate, and possessing valid EA/ESA license

b) After completion of electrical works, the tenderer should test the installations in presence of NABARD officials / Consultant

c) Tenderer should produce the samples of wires, power cable, MCBs, and fuses and get the same approved by Consultant / NABARD before proceeding with work

d) Inspection will be conducted by NABARD/Consultant at every stage of work. The tenderer will proceed with the work only after getting the clearance from consultant

e) The panels shall be fabricated only after getting the drawings approved by consultant. The same will be inspected by consultant at fabricator’s works and witness the routine tests as per IS. The panels can be dispatched to site only after the consultant clears the same. The typical general arrangement drawings of the metering panels are attached with this tender ( Annexure G) and the tenderer shall follow the same for fabrication of the metering panels.

f) Agency shall have contact telephone number to contact any time inclusive of out of office hours and holidays. The agency supervisor shall meet Consultant/NABARD Engineer-in-charge on every working day.

g) Metallic scaffolding as and when required has to be arranged by the agency for carrying out jobs at all elevations at their own cost and no additional claims shall be entertained on this account. Wooden scaffolding is not permitted in the outer areas.

h) Agency will require to work in coordination to the working of the Office. No extra payment will be made for idle labour.

i) The entire jobs at all stages are subject to the inspection and approval by job engineer and carry out the jobs along with the other agencies.

j) Agency shall ensure the presence of their supervisor at the job site continuously during the execution of the job failing which the work order shall be withdrawn and the jobs suspended.

k) Agency shall mobilize necessary material, manpower etc., for carrying out the jobs within two days of intimation. Agency shall mobilize material in sufficient quantities in line with the schedule of the work.

l) Agency shall maintain documents giving details of gate entries/other relevant details for the material supply.

m) Agency should strictly adhere to the safety rules and regulations.

n) Agency shall record the measurements only on NABARD approved format.

o) All measurements sheets and other attachments submitted along with the bill shall carry the bill number and date clear description of job carried out and its location.
p) The tenderer shall bring to site all the necessary tools and tackles necessary for the work including field instruments.
q) Tenderer shall employ one site engineer/supervisor who will be responsible for all the activities at site and the necessary experienced labour force.
r) Tenderer shall bring to the attention of the consultant in case there is any discrepancy in the items mentioned in the tender.
s) The tenderer has to inform the client about the area which they are going to work on day to day basis before switching off the power supply.
t) The tenderer should bear it in mind that they will doing the work in a residential environment and suitable care should be taken not to disturb the same.
u) The tenderer shall follow the safety codes as per IS-5216-1982 while carrying out the electrical works.
v) All the necessary civil works connected with this work are included in the scope of work and no extra claim shall be entertained.
w) The work shall be done in strict coordination with the Bank's Engineer/consultant Engineer and the Bank's Care Taker (CT) of the premises, as per the schedule/shutdown sequence, etc. provided by the Bank/consultant.

Bidders to note that all the works specified in this tender/bid shall be executed in living condition. Prior permissions have to be obtained from the NABARD wherever necessary. Work execution shall be carried out within the timings specified by the NABARD. Special sanction shall be taken from the owner for working beyond standard working hours. Bidders quoted rates shall be deemed to have taken care of the aspects and no extra claim at later date shall be entertained on this account.

DECLARATION BY THE TENDERER

We/I have read and understood all the instructions/conditions made above and we/I have taken into account the above Instructions/Terms and Conditions while quoting the rates. We/I accept all the above Terms and Conditions without any reservation, in all respects.

Place: 

Signature: 

Date: 

Name and Seal: 

Address:
SAFETY CODE

1. First aid appliances including adequate supply of sterilized dressing and cotton wool shall be kept in a readily accessible place.

2. An injured person shall be taken to a public hospital without loss of time, in cases where the injury necessitates hospitalization.

3. Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from the ground.

4. No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30 cm. (clear) and the distance between two adjacent rungs shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding ladder.

5. The excavated material shall not be placed within 1.5 meters of the edge of the trench or half of the depth of trench whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.

6. Every opening in the floor of a building or in a working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be one meter.

7. No floor, roof or other part of the structure shall be so overloaded with debris or materials as to render it unsafe.

8. Workers employed on mixing and handling material such as asphalt, cement mortar or concrete and lime mortar shall be provided with protective footwear and rubber hand-gloves.

9. Those engaged in welding works shall be provided with welder's protective eye shields and gloves

10. (i) No paint containing lead or lead products shall be used except in the form of paste or readymade paint. (ii) Suitable facemasks should be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scrapped.
11. Overalls shall be supplied by the Tenderer to the painters and adequate facilities shall be provided to enable the working painters to wash during the periods of cessation of work.

12. Hoisting machines and tackle used in the works, including their attachments, anchorage and supports shall be in perfect condition.

13. The ropes used in hoisting or lowering material or as a means of suspension shall be of durable quality and adequate strength and free from defects. All workers shall be provided with helmet, Safety Shoes and Safety belts.

Signature of the Tenderer

Place:

Name:

Date:

Address:

Seal:
ANNEXURE A

VIRTUAL COMPLETION CERTIFICATE

Having executed the work in terms of the contract, we hereby certify and affirm that we have virtually completed the contracted works.

We hereby certify that the work has been executed wholly to our satisfaction and with materials and workmanship in accordance with the contract. Thus we ensure that there will not be any short flow electrically or otherwise.

We do certify further that we have executed the work in accordance with the applicable laws and without any transgression of such laws.

Signature of the Tenderer

Place: 
Name: 
Date: 
Address: 
Seal:
ANNEXURE B

ARTICLES OF AGREEMENT

(On Rs. 200/- Stamp Paper)

This Agreement is made at Chennai on this day of 2022

BETWEEN

the National Bank for Agriculture and Rural Development, a body constituted by the NABARD Act 1981 and having its Head Office at C-24, G Block, Bandra-Kurla Complex, Bandra (E) Mumbai-400051 and Regional Office at 48, M.G. Road, Nungambakkam, Chennai – 600034 (hereinafter called the 'Employer') which expression shall, unless repugnant to the context mean and include its successors and assigns of the ONE PART

AND

M/s .......................................................... incorporated/ registered under Act having its place of business at

herein after called "the Vendor" (which expression shall unless repugnant to the context meaning be deemed to include the legal heirs, legal representatives, administrators, successors, executors) of the OTHER PART

WHEREAS the NABARD is desirous of getting executed the work of "Replacement and Lifting of Metering panels, Cabling and Earthing works in A, B, C & D Block of NABARD Officers' Quarters at Bazullah road, Chennai" and has caused specifications describing the work to be done and prepared by Tamilnadu Regional Office, NABARD, Chennai.

AND WHEREAS the Vendor has visited the site and fully understood the existing conditions of site for execution of work.
AND WHEREAS the Vendor has agreed to execute upon and subject to the conditions set forth in the Price Bid, General Conditions of Contract, Special Conditions, Technical Specifications, the said drawings, the Schedule of Quantities and Bidders Schedule of Quantities and Conditions of Contract (all of which are collectively hereinafter referred to as “the said Conditions”) the work shown upon the said technical specifications, and included in the Price Bid at the respective rates therein set forth amounting the sum as therein arrived or such other sum as shall become payable thereunder (hereinafter referred to as “the said contract amount”).

NOW, THE AGREEMENT WITNESS THAT IT IS MUTUALLY AGREED BY AND BETWEEN THE PARTIES:-

1. In consideration of the said Contract amount to be paid at the times and in the manner set forth in the said conditions, the vendors shall upon and subject to the said conditions annexed, carry out, execute and complete the supply/work shown in the contract, described by or referred to in the schedule of quantities and in the said conditions.

2. The said Conditions and Appendix thereto and the documents attached hereto shall be read and construed as forming part of this Agreement and the parties hereto shall be respectively abide by, submit themselves to the said Conditions and the correspondence and perform the agreements on their part respectively in the said conditions and the documents contained herein.

3. The Scope of work and all the terms and conditions as enumerated in this tender is part and parcel of this agreement and binding on the parties. The vendor shall ensure that all items of work specified in the scope of work is attended to. In case of difference between the tender document and this agreement, the agreement will prevail.

4. This Agreement and documents mentioned herein shall form the basis of this contract.

5. Tender documents containing notice to the Tenderers, Conditions of Contract, Appendix thereto, Special Conditions of Contract, Technical Specifications and Schedule of Quantities with the rates entered therein, shall be read and stamped forming part of this agreement and the parties hereto shall positively abide by and submit themselves to the conditions and specifications and perform the agreements on their part respectively in conditions contained.
6. NABARD reserves to itself the right of altering the nature/quantum of the work by adding to or omitting any items having portions of the same carried out without prejudice to this Contract.

7. The Vendor shall provide to NABARD a security deposit of Rs............... (Rupees Only) (Interest Free).

8. In case of breach of any terms and conditions attached to this contract, the Security Deposit of the Vendor will be liable to be forfeited by NABARD besides annulment of the contract.

9. In case any of the documents furnished by the Vendor is found to be false at any stage, it would be deemed to be a breach of terms of Contract making him/her liable for legal action besides termination of contract.

10. The NABARD shall pay the vendor the said contract amount, or such other sum as shall become payable, at the times and in the manner specified in the said Conditions.

11. This contract is an item rate contract for the complete work to be paid for according to necessary works carried out at site, at the rate contained in the Schedule of Rates or as provided in the said conditions.

12. All payments by the NABARD under this contract will be made only at Chennai.

13. Time shall be considered as the essence of this Agreement and Tenderer hereby agrees to complete the work within 45 days from the 10th date of issue of work order, nevertheless to the provisions of extension of time as contained in the said conditions.

14. The Vendor shall afford every reasonable facility for carrying out all works of other Tenderers employed by the Employer and shall make good any damage done to walls, floors, etc. after the completion of such works.

15. The Vendor shall indemnify and keep indemnified, defend and hold good NABARD, its staff and agents against loss, damages or claims arising out of any violations of applicable laws, regulations, guidelines during the contract period and for the breach committed by the Vendor or their personnel on account of misconduct, omission and negligence by the Vendor or his staff.
16. The Vendor shall ensure proper conduct of its personnel in NABARD’s premises, and enforce prohibition of consumption of alcoholic drinks, paan, smoking, loitering without work.

17. NABARD shall not be responsible for any damages, losses. Claims, financial or other injury to any person/s engaged by Vendor in the course of their performing the functions/works, or for payment towards any compensation.

18. Time shall be considered as the essence of this contract, and the Vendor hereby agrees to commence the work/job on the next day of receipt of the work order as provided for in the said conditions and to complete the entire work within the time period prescribed below reckoned from the date of receipt of such work order subject nevertheless to the provision for extension of time.

19. NABARD reserves the right to withdraw/relax any of the terms and conditions mentioned above so as to overcome the problem encountered by the contracting parties.

20. DISPUTE RESOLUTION

(a) In case of dispute regarding the quality of work and product/unsatisfactory services etc., the final authority will rest with the Chief General Manager, NABARD, RO, Chennai and the same will be binding on the Vendor.

(b) In the event of any claim, difference, dispute or controversy and questions whatsoever arising between the parties under this agreement and subsequent agreement shall in the first instance, be attempted to be resolved between the parties themselves.

(c) If the dispute cannot be resolved through consultations between the Parties with in 30 (thirty) days after 1(one) Party has served a written notice on the other Party requesting the commencement of such discussions, any Party may thereafter in writing, demand that the dispute be finally settled by an arbitration comprising of sole arbitrator mutually appointed by the Parties in accordance with the Arbitration and Conciliation Act, 1996 or any modifications thereof. The arbitrator shall be a person of professional repute who is not directly or indirectly connected with any of the parties to this Agreement and shall have prior experience as Arbitrator. The arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996. The seat and venue of arbitration shall be Chennai. The language of arbitration shall be English.
(d) The award of the arbitrator/s so appointed shall be final and binding on the parties.
(e) Work under the contract shall be continued by the Vendor during the arbitration proceedings unless otherwise directed in writing by NABARD. No payment due, or payable by NABARD, to the Vendor shall be withheld on account of the ongoing arbitration proceedings, if any, unless it is the subject matter, or one of the subject matters thereof.

21. If the vendor becomes insolvent or found to have offered any bribe in connection with the contract or the Vendor fails to observe or perform any condition of this contract then notwithstanding any previous waiver of such default or action being taken under any other clause hereof NABARD may terminate the contract and forfeit the said security deposit and recover from the Vendor any loss suffered by NABARD on account of the contract being terminated.

22. This agreement is being executed in duplicate, NABARD shall keep the original and the Vendor shall keep the duplicate.

23. The Vendor shall bear the expenses for stamp duty on this agreement for both the original and the duplicate copy.

24. That the several parts of this contract have been read by the Vendor and fully understood by the Vendor.

IN WITNESS WHEREOF the NABARD and Vendor have set their respective hands to these presents and two duplicates hereof the day and year first herein above written.

IN WITNESS WHEREOF the NABARD has set its hand to these presents through its duly authorized official and the Vendor has caused its common seal to be affixed hereunto and the said two duplicates hereof to be executed on its behalf, the day and year first herein above written.

SIGNATURE CLAUSE:
SIGNED AND DELIVERED BY the National Bank for Agriculture and Rural Development by the hand of..........................................................

Signature

Name & Designation

49|Page
In the presence of ............................................

Signature:

Name & Address:

Signed and sealed by the vendor by the

Hand of Shri/Smt. ..............................................................and duly constituted attorney. If the Vendor signs under its common seal, the signature clause should tally with the sealing clause in the articles of association. If the vendor is signing by the hand of power of attorney, then whether a company or individual to be specified:

Signature of the Vendor

Name of the authorized official Address:

In presence of Shri/Smt. ......................................................

Signature:

Name & Address:
ANNEXURE C

Letter of Indemnity and Undertaking
(to be submitted by the successful bidder)
(On Rs. 100/- Stamp Paper)

To

The Chief General Manager
National Bank for Agriculture and Rural Development (NABARD),
48, M.G.Road, Nungambakkam
Chennai 600 034

Dear Sir

Replacement and Lifting of Metering panels, Cabling and Earthing works in A, B, C & D blocks of NABARD Officers’ quarters at Bazullah Road, Chennai"

WHEREAS the National Bank for Agriculture and Rural Development, a corporation established under the National Bank for Agriculture and Rural Development Act, 1981 (hereinafter referred to as ‘NABARD’) has expressed desire to avail_(type

of procurement) at______________________________(place) as per the Schedule hereunder written and which are hereinafter for brevity sake referred to as____________, subject to our furnishing declarations and indemnity as contained hereafter.

NOW THEREFORE THIS LETTER OR INDEMNITY WITNESSETH THAT:

We, the____________________(bidder) hereby declare and certify that we are the rightful owners/ licensees of the said article/ service/ solution offered for sale to NABARD and that the sale of the said article/ service/ solution to NABARD by us and the use thereof by NABARD does not infringe the property or other intellectual property or copy rights of any other person and that the same does not infringe the Copy of Rights Act, 1957 or any other Act for the time being in force.

We, the said____________________(bidder) hereby agree to indemnify and keep indemnified and harmless NABARD, its Officers, servants, agents and other authorized persons against any action that may be brought against us for infringement of the right of property or other intellectual property or copy rights in respect of the said systems package supplied by us to NABARD and will defend the same at our cost and
consequences and will pay or reimburse NABARD, its officers, servants, agents and other authorized persons from all costs and other expenses that they may be put to or incur in that connection in accordance with the terms as provided for within the end User License Agreement that accompanies the said systems.

We, the said_________________ (bidder) hereby also agree to indemnify and keep indemnified and harmless NABARD, its Officers, servants, agents and other authorized persons against any third party claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by our employees or agents, or by any other third party resulting from or by any action, omission, or operation conducted by or on behalf of us and against any and all claims by employees, workmen, tenderers, sub- tenderers, suppliers, agent(s), employed, engaged, or otherwise working for us, in respect of any and all claims under the Labour Laws including wages, salaries, remuneration, compensation or like.

SCHEDULE

(Please list all the hardware/software supplied to NABARD for providing this service)

Yours faithfully

(Name and Designation) of Authorized Official

Place
Date
Seal
Annexure D
Letter of Authorization
(to be given by bidder)

To
The Chief General Manager
National Bank for Agriculture and Rural Development (NABARD),
48, M.G.Road, Nungambakkam
Chennai 600 034

Dear Sir

Replacement and Lifting of Metering panels, Cabling and Earthing works in A, B, C & D blocks of NABARD Officers’ quarters at Bazullah Road, Chennai”

We__________________(name of the company) have submitted our bid for participating in Bank’s RFP/Tender dated___________for___________. We also confirm having read and understood the terms of RFP/Tender as well as the scope of work & requirements.

As per the terms of RFP/Tender, we nominate Mr.______________, designated as _______________Of our company to participate in the bidding process. NABARD shall contact the above named official for any and all matters relating to the bidding process.

We, hereby confirm that we will honour the bids placed by Mr.______________on behalf of the company in the bidding process, failing which we understand that NABARD may debar us from participating in future tenders for any such failure on our part.

<table>
<thead>
<tr>
<th>Signature with company seal</th>
<th>Name of Authorised Representative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name –</td>
<td>Designation of Authorised Representative</td>
</tr>
<tr>
<td>Company / Organization –</td>
<td>Signature of Authorised Representative</td>
</tr>
<tr>
<td>Designation within Company / Organization –</td>
<td>Verified by</td>
</tr>
<tr>
<td>Address of Company / Organization –</td>
<td></td>
</tr>
</tbody>
</table>

www.nabard.org  Taking Rural India >> Forward
**PROFORMA-1**

**GENERAL DETAILS ABOUT THE TENDERER**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Name of the Applicant/Organisation and Address of the registered office</td>
</tr>
<tr>
<td>2</td>
<td>Year of establishment</td>
</tr>
<tr>
<td>3</td>
<td>Type of the Organisation (whether Sole Proprietorship / Partnership/Private Limited/ Limited or Cooperative Body etc.)</td>
</tr>
<tr>
<td>4</td>
<td>Name of the Proprietor or Partners or Directors of the Organization/Firm</td>
</tr>
<tr>
<td></td>
<td>a.</td>
</tr>
<tr>
<td></td>
<td>b.</td>
</tr>
<tr>
<td></td>
<td>c.</td>
</tr>
<tr>
<td></td>
<td>d.</td>
</tr>
<tr>
<td>5</td>
<td>Details of Registration - Whether Partnership firm, Company, etc. — Name of Registering Authority, Date, Registration No., etc. Mentioning the business/activity of the firm</td>
</tr>
<tr>
<td>6</td>
<td>Whether registered with Government / Semi Government / Municipal Authorities or any other Public Organisation and if so, in which class and since when?</td>
</tr>
<tr>
<td>7</td>
<td>Experience in the relevant field ........................................... Years</td>
</tr>
<tr>
<td>8</td>
<td>Technical personnel available in the organization: <em>Details to be furnished in Proforma – III</em></td>
</tr>
<tr>
<td>9</td>
<td>Address of office through which the proposed work of NABARD will be handled and the name and designation of the Officer-in-Charge.</td>
</tr>
<tr>
<td>10</td>
<td>Adequate and satisfactory evidence to assess financial capacity of the</td>
</tr>
<tr>
<td>Question</td>
<td>Table</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Organisation to undertake the said work with names of Bankers and their full address. <em>(Solvency certificate from the Bank and Income Tax clearance certificate shall be attached)</em></td>
<td></td>
</tr>
</tbody>
</table>
| 11 Annual turnover of the company, during last 3 years (year-wise) *(Rs. Lakh)* | 2019-2020 ............  
2020-2021 ............  
2021-2022 ............  |
| 12 Whether any Civil Suit / Litigation arisen in the contracts executed during the last 7 years/being executed. | If yes, please furnish the name of the project, employer, nature of work, contract value, work order and date and brief details of litigation. |

Notes: Please attach self-certified copies of the following documents:

(a) Latest Income Tax Clearance Certificate
(b) Audited Balance sheet and Profit and Loss Account for the past three years. *(In case, the accounts of FY 2021-22 is unaudited, then provide 3 years (2018-19, 2019-20 & 2020-21) of audited data and 1 year (2021-22) of un-audited/provisional data of the firm.)*
(c) Attach a separate sheet, wherever required – No. of sheets attached _____

Signature of the Applicant

Name of the applicant

Office Seal

Place

Date
PROFORMA-2
Work capability and previous experience

a. List of important Projects **executed** by the tenderer costing **Rs. 7.76 lakhs and above**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Project and Location (2)</th>
<th>Nature of work involved in the contract (e.g. residential, offices, industrial, etc. and No. of storeys)* (3)</th>
<th>Name and full postal address with phone Numbers of the owner. Also indicate whether Govt. or Semi-Govt. or Private Body (4)</th>
<th>Contract Amount (Rs.) (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Completion Period**

<table>
<thead>
<tr>
<th>Stipulated (6)</th>
<th>Actual (7)</th>
<th>Whether work was left incomplete or contract was terminated from either side? Give full details (8)</th>
<th>Any other relevant information (9)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Note: Certificates from the clients should be furnished

Signature of the Tenderer
b) List of important projects **ON HAND** each costing **Rs. 7.76 lakhs** and above

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Project and Location</th>
<th>Nature of work involved in the contract (e.g. residential, offices, industrial, etc. and No. of storeys)*</th>
<th>Name and full postal address of the owner Also indicate whether Govt. or Semi-Govt. or Private Body</th>
<th>Contract Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


* (3)
<table>
<thead>
<tr>
<th>Completion Period</th>
<th>Whether work was left incomplete or contract was terminated from either side? Give full details</th>
<th>Any other relevant information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipulated (6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actual (7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Note: Work orders from the clients should be furnished

Signature of the Tenderer

Place:
Date:
Seal
c) REFERENCES

Please give reference with full postal address of two persons (Engineers, Architects or top officials of an Organization for whom you have executed construction works of importance), who may be directly contacted by the bank or by the Bank's Architects/Consultant about the ability, competence or capability of your Organization.

(i) Reference-1:

(ii) Reference-2:
PROFORMA – 3

a) List of Technical Personnel, giving details about their technical qualifications, experience, etc. including that in your establishment

<table>
<thead>
<tr>
<th>Name</th>
<th>Age (Years)</th>
<th>Educational Qualifications</th>
<th>Experience (Years)</th>
<th>Nature of works handled (Mention Designation and brief description of profile)</th>
<th>Name of the projects handled costing more than Rs.7.76 Lakh.</th>
<th>Date of employment/appointment in your organization (dd/mm/yyyy)</th>
<th>Any other remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Indicate other points, if any, to show your technical and managerial competency to emphasize any important points in your favor.

b) No. of supplementary sheets attached as per Proforma – 3: ____________

Signature of the Tenderer
Name of the Tenderer
Office Seal
PROFORMA-4

DETAILS OF GSTIN OF THE TENDERER

In order to enable us to report the details of the GST collected from you in the GST returns submitted by us, we request you to furnish your GSTIN (Goods and Services Tax Identification Number) in the following format, along with a self-attested photocopy of the GSTIN allotment communication.

<table>
<thead>
<tr>
<th>S. No</th>
<th>GSTIN Details</th>
<th>Details to be filled up by customer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Name of the Customer</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Customer ID</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Account No.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>PAN</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GST Identification Number (GSTIN)</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>TAN</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Composition Scheme (Please indicate)</td>
<td>(Yes / No)</td>
</tr>
<tr>
<td>8</td>
<td>Nature of service rendered- as given the registration certificate issued by the authorities</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Constitution of Business ( Pl. Tick)</td>
<td>Company</td>
</tr>
<tr>
<td>10</td>
<td>Address of principal place of business in the state as per GST registration certificate</td>
<td>Address</td>
</tr>
<tr>
<td>Multiple GST registration ** (If Yes, Please fill the following details)</td>
<td>(Yes / No)</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>GST Identification Number (GSTIN)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address of principal place of business in the state as per GST Registration certificate</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td></td>
</tr>
<tr>
<td>PIN</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GST Identification Number (GSTIN)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Address of principal place of business in the state as per GST Registration certificate</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td></td>
</tr>
<tr>
<td>PIN</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11 Location</th>
<th>SEZ/STP/DTA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>12 Contact details</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-mail ID</td>
<td></td>
</tr>
<tr>
<td>Phone No.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of the Authorized Signatory/Primary Holder</th>
<th>Signature</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Name of the Authorized Signatory/Joint Holder 1</th>
<th>Signature</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Name of the Authorized Signatory/Joint Holder 2</th>
<th>Signature</th>
</tr>
</thead>
</table>

** In case of multiple GST Registration number, applicant may detail the GST registration of particular state for every transaction or else the default address mentioned in the form shall be selected by the bank for issuance of invoice.
PROFORMA – 5

Bank Account Details for ECS Payments
Details to be furnished by the Tenderers/Service Provider/Firm

1. Name of Tenderer/Firm/Co./Service Provider with Address

2. Name of the Bank of the Tenderer/
   Service Provider

3. Bank Branch and Address :

4. Title of Account where payment is required -:
   Exact wording of the account

5. Account No. :

6. Type of Account :
   Savings/Current/Overdraft/Cash Credit
   /Advances /NRE Savings/Credit Card

7. MICR No. of the Bank branch :
   (along with a cancelled copy of the cheque)

8. IFSC / RTGS / NEFT No. :

Signature of the Tenderer/Firm/Co./Service Provider :

Name and Address of the Tenderer/Firm/Co./Service Provider :

Address and Seal

Note: Enclose a copy of PAN & Cancelled Cheque
ANNEXURE E

CHECK LIST FOR SUBMISSION OF BID

Bidder is requested to fill this check list and ensure that all details/documents have been furnished as called for in the Bidding Document along with duly filled in, signed & stamped checklist with this bid document.

Please tick (/) the box and ensure compliance:

1. Validity of offer is up to 60 days from the date of opening of Price Bid.
   
   Yes [ ]

2. Power of Attorney in favour of person who has signed the offer, in stamp paper of appropriate value. For Proprietary Organization, declaration for proprietorship submitted
   
   Submitted [ ]
   Proprietorship [ ]

3. Partnership Deed is case of Partnership firm and Articles of Association in case of limited company.
   
   Submitted [ ]
   Not applicable [ ]

4. Original Bidding Document along with blank (un-priced) copy of price Bid/ Schedule of Rates and addendum, if any. Price is not filled up in this document.
   
   Submitted [ ]

5. All pages/documents are stamped and signed by the authorized signatory of the bidder.
   
   Yes [ ]

6. Price Part in original, duly filled in, signed and sealed in each page, submitted in separately sealed envelope.
   
   [ ]
Submitted

7. Duly filled in Details of Specific Experience as per the format attached in the Bidding Document along with Documentary evidences comprising Work order and Completion certificate in support of meeting Experience criteria as per the NIT.

Submitted

8. Financial statement along with the Annual Audited balance sheets and P&L Accounts for the last three years.

Submitted

9. PAN NO. with documentary proof.

Submitted

10. ESI No. with documentary proof.

Submitted

11. GSTIN Number.

Submitted

NOTE: Documents, which are required to be submitted for the subject job, which are specifically mentioned in the Bidding Document.

SIGNATURE OF BIDDER: ______________________________________

NAME OF BIDDER : ______________________________________

COMPANY SEAL : ______________________________________
ANNEXURE – F

EB Metering Panels – Drawings (1 of 2)

EB Metering Panels – Drawings (2 of 2)
E-Tender for the “Replacement and Lifting of Metering panels, Cabling and Earthing works in A, B, C & D blocks of NABARD Officers’ quarters at Bazullah Road, Chennai”

NABARD
Department of Premises, Security and Procurement,
National Bank for Agriculture and Rural Development (NABARD)
No.48, MG Road, Tamil Nadu Regional Office
Nungambakkam, Chennai – 600034

PART-II
(PRICE BID)

ISSUED TO

........................................................................................................................................................................
........................................................................................................................................................................
........................................................................................................................................................................
PART –II
Schedule of Quantities

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Description</th>
<th>Qt</th>
<th>Unit</th>
<th>Rate Supply (Rs)</th>
<th>Installation (Rs)</th>
<th>Amount Supply (Rs)</th>
<th>Installation (Rs)</th>
<th>Amount (S+I) Including GST (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Metering panels</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Supply, installation testing and commissioning of cubicle type metering panel fabricated out of 16 SWG CRCA for main body and partitions and 14 SWG for gland plates and powder coated to RAL-7032 after undergoing minimum 7-tank process. The cable entries shall be from the bottom. The panel shall have top compartment, middle and bottom compartments. The middle compartment will be equipped with 500A TPN Aluminium bus supported on SMC and bus bar shall be PVC sleeved and colour coded. The same shall have sealing arrangement for EB and air vent louvres for breathing.

The top and bottom compartment will be divided into cubicles as per the drawings attached in Annexure G.

One of the bottom compartment will be equipped with 3 nos 500A porcelain fuses and 1 no 300A neutral link. This cubicle shall have sealing arrangement for EB.

The other cubicles will be equipped with 3 no 100A porcelain fuses, 1 no 63A neutral link, space for providing 3-phase smart energy meter and 1 no 63A TPN MCB, 10 KA.

The meter and fuses shall be in separate compartment and should have sealing arrangement for EB. The meter cubicle shall have an transparent acrylic cover for viewing from outside.

<p>| 1.1  | Metering panel for block-A Wing-A (8 services) | 1 | No. |                  |                   |                    |                    |                                  |
| 1.2  | Metering panel for                     | 1 | No. |                  |                   |                    |                    |                                  |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>3</td>
<td>Metering panel for block-B Wing-A(9 services)</td>
<td>1</td>
<td>No.</td>
</tr>
<tr>
<td>1.</td>
<td>4</td>
<td>Metering panel for block-B Wing-B(9 services)</td>
<td>1</td>
<td>No.</td>
</tr>
<tr>
<td>1.</td>
<td>5</td>
<td>Metering panel for block-C Wing-A(9 services)</td>
<td>1</td>
<td>No.</td>
</tr>
<tr>
<td>1.</td>
<td>6</td>
<td>Metering panel for block-C Wing-B(9 services)</td>
<td>1</td>
<td>No.</td>
</tr>
<tr>
<td>1.</td>
<td>7</td>
<td>Metering panel for block-D Wing-A(9 services)</td>
<td>1</td>
<td>No.</td>
</tr>
<tr>
<td>1.</td>
<td>8</td>
<td>Metering panel for block-D Wing-B(9 services)</td>
<td>1</td>
<td>No.</td>
</tr>
<tr>
<td>2.</td>
<td>1</td>
<td>Supply, installation, testing and commissioning of 1.1 KV grade aluminium / copper armoured XLPE cable to be clamped on the wall with GI clamps, to run inside HDPE pipes etc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>1</td>
<td>3.5x120 Sq mm aluminium from</td>
<td>235</td>
<td>Mt</td>
</tr>
<tr>
<td></td>
<td>EB feeder pillar to all the metering panels as mentioned in item no 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---------------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. 2</td>
<td>4C6 Sqmm copper from junction box to be fixed near existing metering panel to new metering panels</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td><strong>Cable end terminations using single compression brass glands and copper/ aluminium crimping sockets. Gland earthing has to be provided with copper ring to be fitted on the gland and earthing to nearest earth point with 14 SWG copper wire</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. 1</td>
<td>3.5x120 sq mm aluminium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. 2</td>
<td>4x6 sq mm copper</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>Cable tranche</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. 1</td>
<td>Excavation of cable trench to a depth of 500mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>including removal and replacement of paver blocks after laying of cables in the HDPE pipes and filling the excavated earth</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5 HDPE Pipe</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply and laying of 110mm dia HDPE pipe of thickness 4mm in the above mentioned trenches</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1</td>
<td>190</td>
<td>Mt</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>6 Earthing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply and installation of 17.2mm dia 2 Mt long low carbon steel earth electrode bonded with 250</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.1</td>
<td>8</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>micron copper with GI clamp to be installed in a suitable bore and filled with 50 Lbs of carbon bond environment friendly back filling compound. An RCC trough of size 300x300 mm shall be provided with RCC cover for protecting the electrode.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Supply and installation of 25x3mm copper flat to interconnect earth electrodes and to</td>
<td>112</td>
<td>Mt</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
panels. The same to be either buried in ground or camped on wall/ceiling with suitable GI clamps. The end terminations shall be carried out after tinning the strip for better conductivity.

<table>
<thead>
<tr>
<th>7</th>
<th>Junction Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.1</td>
<td>The junction box shall be fabricated out of 16 SWG CRCA and powder coated to RAL 7032 after undergoing minimum 7- tank</td>
</tr>
<tr>
<td>8</td>
<td>No</td>
</tr>
<tr>
<td>process. The shall have bolted front door. The same will be fixed on wall inside the building near existing meter panels. The same shall be fitted with 9-way 6 Sqmm terminal station. Each terminal station shall have 4 terminals for 3 phases and neutral</td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>8</strong></td>
<td><strong>EB charges for shifting of single phase and 3-phase meters to new panels</strong></td>
</tr>
<tr>
<td>8.1</td>
<td>Removal and re-fixing of existing single phase</td>
</tr>
<tr>
<td></td>
<td>Description</td>
</tr>
<tr>
<td>---</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>8.2</td>
<td>Removal and refixing of 3-phase meter from block A met. panel to new panel</td>
</tr>
<tr>
<td>8.3</td>
<td>EB follow up and liaisoning charges</td>
</tr>
<tr>
<td>9</td>
<td>Removal and re-location of 4-way VTPN pump DB from present loc. to new loc. including re-terminatio n of cables</td>
</tr>
<tr>
<td></td>
<td>etc complete</td>
</tr>
<tr>
<td>--------</td>
<td>--------------</td>
</tr>
<tr>
<td><strong>10</strong></td>
<td>Supply and making staright through joint for 3.5x120 Sqmm cable with heat shrinkable kit</td>
</tr>
<tr>
<td><strong>A</strong></td>
<td>Total value for supply and installation</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td>Buy back for the existing metering panels, wires etc.</td>
</tr>
<tr>
<td><strong>C</strong></td>
<td>Final value for supply and installation after deducting buy back</td>
</tr>
</tbody>
</table>
material value

Amount in words – Rupees

Place:
Date:
Address:

Name & Seal Signature of the Tenderer