

**MSEDCL/CE/RE/AMR/T-01/2023-24 dated 26.09.2023****Maharashtra State Electricity Distribution Co. Ltd.**

Tender Details	Supply, Installation, Testing & Commissioning of Interface Energy Meters (IEM)
Tender Code	MSEDCL/CE/RE/AMR/T-01/2023-24 dated 26.09.2023
Tender Type	Supply, Installation, Testing & Commissioning
Type Of Bid	Two Bid
Description	Supply, Installation, Testing & Commissioning of Interface Energy Meters (IEM) along with Automated Meter Reading (AMR) as per SAMAST guidelines at various Substations in MSEDCL.
Estimated Cost (In Lakhs)	160.98
Basis of prices	Firm Price Basis
Tender Validity	90 Days
Delivery Requirement (In Months)	3
Tender on rate contract basis	No
Tender Fee (In INR)	25000
GST In INR (@ 18% on Tender Fee: SAC No.	4500
Total Tender Fee Amount including GST in INR.	29500
Contact	<a href="mailto:ncetendersedcl@gmail.com">ncetendersedcl@gmail.com</a>
Department	Renewable Energy
Office Type	HO
Location Type	Corporate Office
Designation	The Chief Engineer (Renewable Energy)
Pre-Bid Meeting Address	Through Video Conferencing
Bid Opening Address	The Chief Engineer (Renewable Energy) Maharashtra State Electricity Distribution Company Limited 5th Floor, Prakashgad, Anant Kanekar Marg, D Block BKC, Naupada, Bandra East, Mumbai - 400051. (INDIA)
Tender Sale Start Date & Time	26.09.2023 @ 11:00Hrs

Tender Sale End Date & Time	17.10.2023 @ 15:00 Hrs
Last date for submission of Technical & Financial bids	17.10.2023 @ 16:00 Hrs
Pre-Bid Meeting Date & Time through VC	04.10.2023 @ 11:00 Hrs
Techno-Commercial Bid opening on	17.10.2023 @ 17:00 Hrs
Price Bid opening on	18.10.2023 @ 16:00 Hrs



e-TENDER FOR -

**‘Supply, Installation, Testing & Commissioning for Implementation of 5 Minutes metering with new Interface Energy Meters (IEM), Automated Meter Reading (AMR) system following “SAMAST” recommendations in MSEDCL.’**

**RFS. No.**

**MSEDCL/CE/RE/AMR/T-01/2023-24 dated 26.09.2023**

**Volume – I**

**Section - I**

**INSTRUCTIONS TO BIDDERS**

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## SECTION – I

### INSTRUCTIONS TO THE BIDDERS

#### 1.0 INTRODUCTION

As per Hon. MERC's Sou-Motu order dtd 29th May 2023, Removal of Difficulty in applicability of State Periphery Charges under the MERC (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) Regulations, 2018 the ABT meter data of approximately 32 PSS is required by the SLDC for weekly DSM billing. At present all this data is being manually acquired, validated and processed at SLDC. Further the present scheduling and settlement mechanism period is 15 min. This settlement period now needs to be changed to five min as per the new guide lines by Forum of Regulators (FOR).

In this context it is to mention here that The Central Electricity Regulatory Commission (CERC) has adopted the recommendations by Technical committee of the Forum of regulators (FOR) suggested vide the “**Scheduling, Accounting , Metering and settlement of Transactions in Electricity (SAMAST)**”report published in July 2016 and has suggested for implementation of the recommendations of this report by State Load dispatch Centers /State Transmission Utilities under the supervision of respective State regulatory commissions. One of the recommendations of SAMAST is to adopt a 5-minute settlement period instead of 15-minutes presently in place in a phased manner for better granularity and ramp monitoring.

#### **a) Purpose of the Project:-**

The ABT meters installed in MSEDCL needs to be replaced due to following reason:

1. Existing meters are more than ten years old and have almost completed the useful life.
2. These meters are operating on proprietary protocol.
3. With existing meters the settlement and scheduling period is 15 min instead of five min as recommended by SAMAST.
4. These meters are not unique in the nature which means make and functionality of these meters are different.

In view of above it has become necessary to change the existing ABT metering arrangement.

**b) Scope of Project: -**

The details of the Interface Energy Meters (IEM) required and number of substations considered in the existing MSEDCL network is enclosed in Annexure – A. This scheme is prepared for supply of **36 IEM meters spread over @ 32 substations, other accessories required for AMR and services for data transmission to MDAS and MDAS system at SLDC and CT and PT with required accessories will be provided.** The number of IEM/ABT meters and other material may vary as per the existing infrastructure and the requirement of SLDC.

**C) Proposed Aspects of the AMR -**

- i. Replacement of existing meter is not needed if existing meter is as per SAMAST recommendations ELSE the existing ABT meters will be replaced by new IEM meters as per SAMAST recommendations.
- ii. The meter data will be collected by the DCU (Data Concentrator Unit) at substation.
- iii. The meter data will be transmitted by the DCU to the server at SLDC using GPRS/VSAT or Optical fiber network.
- iv. The collected data from DCU will be interface at Application Server Data Base and Central Data Collection System (CDCS) at SLDC, Kalwa.

**Work modules for implementation-**

**I. Sub Station level:-**

- a. Replacement of existing ABT meters if needed at the PSS location with new IEM meters following SAMAST guidelines.
- b. Installation of DCU at each substation.

- c. Connection of IEM meters to DCU through Optical fiber/ CAT6 cables.
- d. Connection and interfacing of IEM meters with DCU.

## **II. Control Center at Kalwa.**

- a. Making IEM meter data available up to CDCS, at SLDC, Kalwa
- b. The required data from this server will be available for data warehousing system.



## **2.0 INTENT OF BID SPECIFICATIONS:**

- 2.1 The intent of this specification is to enter into single contract covering completely the scope of work specified in the accompanied specification forming completely coordinated and engineered package, all in accordance with the specifications as detailed out in the various sections of Volume II of Bid documents.
- 2.2 The Owner, in order to implement the project smoothly, envisages entering into single responsibility contract with the successful bidder.
- 2.3 Bids not covering the entire scope of work as detailed in the Bid Specification but are essential will be treated as non-responsive and hence rejected.
- 2.4 It's the bidder responsibility to consider all the required parameters as per his product for the successful completion of the project.

## **3.0 QUALIFYING CONDITIONS**

### **A. Qualifications of Bidders**

Qualification of bidders will be based on meeting the minimum pass/ fail criteria specified below regarding the Bidder's technical experience and financial position as demonstrated by the Bidder's responses in the corresponding Bid Schedules. Technical Experience and Financial Position of any proposed subcontractor shall not be taken into account in determining the Bidder's compliance with the qualifying criteria. The bid can be submitted by an individual firm or by a Joint Venture/ Consortium of only two firms. (Specific requirements for Joint Ventures/ consortium are given under Paras below).

MSEDCL may assess the capacity and capability of the bidder, to successfully execute the scope of work covered under the package within stipulated completion period. The assessment shall inter-alia include (i) document verification ; (ii) bidders work/manufacturing facilities visit ; (iii) manufacturing capacity, details of work executed, works in hand, anticipated future & balance capacity available for the present scope of work (iv) details of plant and machinery, manufacturing and testing facilities, manpower and financial resources ;(v)

details of quality systems in place ; (vi) past experience and performance ; (viii) customer feedback ; (viii) Banker's feedback etc.

MSEDCL reserves the right to waive minor deviations, if they do not materially affect the capability of a Bidder to perform the contract.

## **B. QUALIFYING REQUIREMENT**

### **1. Technical Qualifying requirement of the bidder**

- a. The bidder or its principal Meter manufacturer must be an Original Equipment Manufacturer (OEM) of Interface Energy Meters (IEM) of 15 minutes/5 minutes time block energy measurement with automated meter reading capability and must have manufactured, tested, supplied and commissioned at least 100 numbers of Special Energy Meters (or Interface Energy Meters) with AMR during the last Five (5) years as on the date of bid opening and 80% of them should be in satisfactory operation as on the date of bid submission and certified by the utility where these are provided. (Upload Annexure A in support of above clause)
- b. The bidder or its principal Meter manufacturer should have the software development capability for MDAS/MDM and MIS reporting. For details please refer the enclosed technical specifications of this project. (Upload Annexure B in support of above clause)

The bidder or System Integrator or its principal Meter manufacturer should have supplied and commissioned such system handling at least 100 IEMs. Further same should be in operation. (Upload Annexure C in support of above clause)

- c. The bidder or its principal Meter manufacturer **of IEMs, DCUs, Meter Data Acquisition System (MDAS) and should have after sales service facility in India.** (Upload Annexure D in support of above clause)
- d. The bidder or its principal Meter manufacturer shall be able to provide all required system support & his services for maintaining the Meters and AMR equipment commissioned at substations and for control centers after commissioning for a period of Min 10 years. An undertaking in this regard is to be submitted by bidder which will be converted in Service line

agreement (SLA) in case of successful bidder. (Upload Annexure E in support of above clause)

- e. A single OEM can quote in only two Bidder/JV/Consortium with required authorization. A single System Integrator (SI) can not quote for multiple OEM of IEM.

OR

1.1 A bidder who is an Indian Entity established as JVC (not more than two partners)/Group company who is System Integrator or Original Equipment Manufacturer (OEM) of Interface Energy Meters (IEM) of 15 minutes/5 minutes time block energy measurement with automated meter reading capability and must have manufactured, tested, supplied can also be considered qualified provided that:

The bidder has completed installation and integration of at least 100 numbers of Interface Energy Meters with AMR, MDAS & MIS during the last Five (5) years as on the date of bid submission, based on technological support of parent/Principal company and 80% of them should be in satisfactory operation as on the date of bid submission and certified by the utility where these are provided. (Upload Annexure A in support of above clause)

- a) Parent/Principal Company meets the Technical Experience criteria stipulated at 1.0 above.
- b) A legally enforceable undertaking jointly by Bidder and the Parent/principal company (as per Annexure H) is furnished along with bid, to guarantee quality, timely supply, performance and warranty obligations for seven (07) years for the contract to be executed in India and a confirmation letter from the parent/principal company along with the bid stating that the parent/principal company shall furnish a performance guarantee for an amount of 10% of the contract price. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the bidder(Upload Annexure H).

Note: In case Meter manufacturer, Software developer are different entities and meeting criteria at (1) or (1.1) collectively in that case separate authorization from the concern entities should be submitted.

## **2.0 Minimum Financial Qualifying requirement of the bidder:-**

The bidder should meet following minimum financial criteria

### **2.1) TURN OVER**

1. The Bidder should have the Minimum Annual Average Turnover (MAAT) of at least 40% of estimated cost of tender offered in the last three years i.e. 36 months. In case of JV / consortium, the members of JV/ consortium shall individually meet the financial criteria as follows:
  - a) In case of JV/ consortium, Lead member shall meet not less than 70% and the other member not less than 45% of the Minimum Annual Average Turnover.
  - b) Audited balance sheets for the specified last three years duly certified by Chartered Accountant only to be submitted. (CA should have UDIN).

**Note-** If bids are called between 1st April & 30th September of the year then latest audited financial year shall be a year before previous year for financial criteria. (for e.g. if bids are called between 1st April & 30th Sept. of current year, then latest audited financial year shall be a year before previous year for financial criteria of current financial year)

### **2.2) NET WORTH**

1. The Bidder should have a positive Net worth for last financial year. The original CA certified copy of the same has to be uploaded with bid documents.

AND

2. The bidder shall submit audited balance sheets for the specified last three years duly certified by Chartered Accountant.

- 2.3** The Bidder shall submit undertaking along with bid that, he will submit dedicated revolving line of credit for an amount not less than 5% of the estimated cost of the works from their Bankers before issuance of LOA. in case the bidder is qualified L1 bidder. The bidder has to maintain the revolving line of credit till handing over of project to MSEDCL. (Upload Annexure F in support of above clause)

2.4) A declaration to the effect that the Bidder does not anticipate change in his ownership during the proposed period of the work till successful completion of warranty period (If such a change is anticipated, the scope and effect thereof, shall be defined) shall be submitted with the offer. (Upload Annexure G1 in support of above clause)

OR

The bidder shall furnish an undertaking mentioning that the bidder shall communicate the change of ownership to MSEDCL timely and shall undertake seamless execution of contract as per the agreed terms and conditions as per terms of contract & tenders. (Upload Annexure G2 in support of above clause).

2.5) In case bidder is a holding company, MAAT and the Net worth referred to in clause 2.1 and 2.2 above shall be that of holding company only (i.e. excluding its subsidiary/group companies)

2.6) In case bidder is a subsidiary of a holding company, MAAT and Net Worth referred to in clause 2.1 and 2.2 above shall be that of subsidiary company only (i.e. excluding its holding company).

**2.7) If the bidder submits bid as Joint Venture / consortium of two firms then JV / consortium should collectively meet following requirements**

Eligibility of bidder as JV/ consortium:

- i. They shall have legally valid JV / consortium agreement.
- ii. The number of members in JV / consortium should not be more than two and only one of the members should be a manufacturer and other JV / consortium partner should have experience of supply, installation & commissioning of IEMs as per SAMAST recommendations, DCUs, from NABL accredited laboratory and same should be enclosed with bid. The manufacturer should meet the criteria mentioned in clause no. 1 (Upload details of JV/Consortium).
- iii. The stipulated technical and financial qualifying requirements to be fulfilled by the JV / consortium members. (Upload all documents as requested in clause no 1)

- iv. One of the members shall be nominated as Lead member and the Lead member shall be authorized to be in-charge and this authorization shall be evidenced by submitting a power of attorney signed jointly by legally authorized signatories of both members.(Upload supporting document.)
- v. Both the members of the JV / consortium shall be liable jointly and severally for the execution of the contract in accordance with the Contract terms and shall submit an undertaking on a valid stamp paper of appropriate value accepting the same (in the enclosed standard format). The roles and responsibilities shall be clearly indicated in the legally signed document. (Upload Annexure H in support of above clause)
- vi. For qualification, “On-Line” submission shall be accompanied by following documents: (Color scanned copies of original documents / Color scanned Xerox copies duly attested in blue ink by statutory auditors of Bidder).
  - a) Registration in MSEDCL e-tendering portal. (In case of JV / consortium at least any one of the JV / consortium Member should be registered in appropriate class.)
  - b) Lead member of JV / consortium should have valid Tax Registration Certificate (GST).
  - c) Valid Solvency certificate (Lead Member)
  - d) Lead member of the JV / consortium should have the valid Income Tax Permanent Account Number.
  - e) In case of JV / consortium, notarized copy of agreement shall be submitted along with the application.

**2.8)** The bidder/ Lead bidder shall be responsible for supply of offered material along with required hardware, software and all related accessories & services required for successful implementation of the project. (Upload Annexure I in support of above clause)

**2.9)** The bidder/ Lead bidder desiring to carry out the work of erection / dismantling commissioning, should have a valid electrical contractor’s License & should submit/upload the same at the time of bidding or submit/upload undertaking for submission of Electrical contractor’s License prior to LOI. Further bidder should be registered under GST as well as under P.F. Act. The same shall be furnished along with the bid document. (Upload 1. Electrical contractor license/undertaking 2. GST registration certificate 3. P.F registration certificate)

**2.10)** The bidder/ Lead bidder is liable for disqualification on account of any of the following reasons:

- a) Poor quality and workmanship of the products previously supplied and frequent failures during warranty period as experienced by the purchaser.
- b) Bidder, against whom litigation is in process. (Upload Annexure J in support of above clause)
- c) Bidder, who is in the opinion of the purchaser, has Mala fide intentions in the conduct of business with the company (MSEDCL).
- d) Bidder who is declared to be defaulter as per the terms and conditions laid down by the company. (Upload Annexure K in support of above clause.)
- e) If the documents submitted by the bidder found fraudulent, the bidder will be disqualified for the current bid as well as debarred from participating in future bids for a period of three years.
- f) Bidder must not be blacklisted / debarred by any Statutory, Regulatory or Government Authorities or Public Sector Undertakings (PSUs / PSBs) at the time of bidding. (Upload Annexure L in support of above clause.)
- g) The Bidder to provide an undertaking on his letter head that all the technical features highlighted as part of Technical Scope are covered in totality in the proposal submitted by the bidder. (Upload Annexure M in support of above clause.)
- h) The Bidder to provide information that any of its subsidiary or associate or holding company or companies having common director/s or companies in the same group of promoters/management or partnership firms/LLPs having common partners has not participated in the bid process. (Upload Annexure N in support of above clause.)

**2.11)** The bidder to respond appropriately against each of the above conditions. Notwithstanding anything stated above, the purchaser's decision in this regard shall be final.

**2.12)** The bidder should have Registration in MSEDCL e-tendering portal (<http://etender.mahadiscom.in/eatApp/>)

**2.13)** The bidder should have valid Tax Registration Certificate (GST). (Upload GST Registration Certificate)

**2.14)** The bidder should have Valid Solvency certificate.(Upload Solvency certificate)

**2.15)** The bidder should have the valid Income Tax Permanent Account Number.(Upload PAN Document)

### **C. OTHER REQUIREMENTS**

**1** The Tenderer shall furnish, with his bid, type test reports of tendered system/material. The type test reports of the collaborator for system/material as above would also be considered for the purpose of the qualifying requirements. The type tests reports shall not be older than Five years and shall be valid up to the expiry of the validity of offer. All type test should be carried out in NABL accredited Laboratory/ Appropriate Authority .

**2** The Tenderer is liable for disqualification on account of any of the following reasons:-

I. Poor quality and workmanship of the products previously supplied and frequent failures during warranty period as experienced by the purchaser. The action shall be dealt in accordance with Volume I-Section II i.e., General requirements and General Terms and Conditions of Contract.

II. Tenderer against whom litigation is in process.

III. Tenderer who in the opinion of the purchaser has malicious intentions in the conduct of business with the company (MSEDCL).

IV. Tenderer who is declared to be a defaulter as per the term and condition laid down by the company (MSEDCL).

**3 EMD:-** EMD in lieu of bid security deposit @1% of estimated cost will have to be paid by the bidder through online mode only.

**OR**

The bidder will have to furnish Bank Guarantee of any nationalized/scheduled Bank in prescribed format equivalent to 1% of the cost estimate of works in lieu of bid security deposit payable at



Mumbai at the time of submission of bid documents with validity of 8 months from the date of opening of techno-commercial bids as per annexure (U).

Bidder has to submit the original Bank Guarantee (BG) documents to the office of CE (Renewable Energy.) before date of opening of technical bid. If the original BG documents are not received, the technical bid of respective bidder shall not be open.

4. Notwithstanding anything stated above, the MSEDCL decision in this regard will be final.
5. The bidder/ Lead bidder desiring to carry out the work of erection / dismantling / commissioning, should fulfil following statutory requirements.
  - a) Proof for valid registration under Shop & Establishment Act 1948.
  - b) Proof for valid registration under workmen compensation policy.
  - c) Full name of the company/firm, Tender fee & EMD should be paid & the scan copy of transaction ID received after online payment should be submitted.
  - d) Submit Copy of PAN card, registration copies of GST, PF.
  - e) Submit solvency certificate.

#### **D. SPECIFIC REQUIREMENT**

- i. All the interested bidders shall have adequate design, infrastructure, erection facilities and capacities and procedures including quality control. Important eligibility conditions for technical eligibility criteria are given below:
- ii. The bidder shall own sufficient infrastructure including plant, machineries, tools, testing equipment and technical manpower on their payroll for successful completion project. A detailed list showing plant, machineries, tools and other equipment's owned by the bidder, clearly highlighting its make, model and year of purchase and a list of technical staff clearly showing their educational qualification and experience shall be submitted.
- iii. The bidder shall have proper safety set-up, independent HSE dept., qualified Safety officer.
- iv. The bidders should be experienced Indian contractors for the works as listed in BOQ.

- v. The bidder should not have been barred/ black-listed/ dis-qualified for similar kind of project by any Central Government Department/State Government Organization or Central / State PSU.
- vi. The bidder has to present all the financial supporting documents pertaining to qualifying requirements duly certified/attested by the Chartered accountant; documents submitted without the required Certification will not be considered for evaluation.
- vii. **Litigation History**

The bidder shall provide details of litigation history from calendar 2021 and also of any present ongoing to the satisfaction of the MSEDCL. Bidder is requested to submit duly signed Annexure J in support. The bidders not complying with above requirements or incomplete evidence of compliance are likely to be rejected.

The bidder to be considered for technical & commercial evaluation, must meet above qualifying criteria, MSEDCL reserves the right to waive minor deviations if they do not materially affect the assessment of capability of the bidder to perform the contract.

The above cited requirements are only indicative. MSEDCL reserves the right to requisition any other relevant information & also reserves the right to reject the Bid proposal of any Bidder, if MSEDCL opines that the Qualification data is incomplete & Bidder is not qualified to perform the Contract satisfactorily.

#### 4.0 **TIME SCHEDULE:**

- 4.1 **The basic criteria for considering the bids as "responsive" shall be the strict adherence to the time schedule specified for performing the works.** The bids from the bidders who are not able to meet this requirement will be rejected.

The Owner's requirements of completion schedule for the works are within **3 (Three) Months** for entire scope of works from the date of LOA.

## **5.0 BID DOCUMENTS**

### **5.1 The bid documents for the scope of work are arranged as follows:**

#### **Volume-I**

- **Section-I : Instructions to Bidders:**

This Section contains the instructions to Bidders giving the information in general as how to submit the bid, mode of evaluation, Formats & Annexures etc.

- **Section-II: General Terms and Conditions of Contract:**

This section contains the general requirements and general terms and conditions of the contract to be entered into with successful bidder.

#### **Volume -II**

- **Section-I : Technical Specifications & Scope of Work**

This section contains the detailed scope of work, technical specifications, Bill of quantities.

- **Section -II : Special Conditions of Contract & Annexures**

This section contains Special terms & conditions of the contract to be entered into with successful bidder, Annexures

### **5.1 Bidder to inform himself fully:**

5.1.1 The Bidder shall make independent enquiry and satisfy itself as to all the required information, inputs, conditions and circumstances and factors which may have any effect on its bid price and also on the execution of work covered under these specifications and documents. In assessing the bid it is deemed that the Bidder has inspected and examined the site conditions and its surroundings, examined the laws and regulations in force in India, the transportation facilities available the conditions of roads, bridges, ports, etc. for unloading and/or transporting heavy pieces of material and to have based its design, equipment size and fixed its price taking into account all such relevant conditions and also the risks, contingencies and other circumstances which may influence or affect the execution of the works as specified in these bid specification.

5.1.2 In their own interest, the Bidders are requested to familiarize themselves with the Income Tax Act, the Companies Act, the Customs Act and all other related acts and laws prevalent in

India. The Owner shall not entertain any request for clarifications from the Bidders regarding such local laws and the conditions. However, the owner shall direct the bidder from where to obtain such assistance provided the request for such assistance is received well in advance. However, non-receipt of such information shall not be a reason for the bidder to request for extension in opening date of the bid. The Bidder shall understand and agree that before submission of its bid all such factors, as generally brought out above, have been fully investigated and considered while submitting the bid. No claim for financial adjustment to the contract awarded under this specification and documents shall be entertained by the owner. The Owner shall also not permit any change in time schedule or any financial adjustment arising thereof which are based on lack of clear information for such site conditions, laws and regulations and other related information and/or its effect on the price quoted in the bid.

### 5.1.3 Price bid

- i. The bidder is expected to examine all forms, terms and specifications in the Bidding Documents. Failure to furnish all information required as per the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of his bid.
- ii. The Bidder shall bear all costs associated with the preparation and submission of the bids. The submission of any bid connected with these documents and specifications shall constitute an agreement that the Bidder shall have no cause of action or claim against the Owner for rejection of its bid or if the Owner may elect to withdraw the invitation to bid. The Owner shall always be at liberty to reject or accept any bid or bids at its sole discretion and any such action shall not be called into question and the Bidder shall have no claim in that regard against the Owner. The owner is not bound to give any reasons for the rejection of the bid.
- iii. The Bidder shall note the following:
  - a) Bid documents are not transferable.
  - b) Not more than one bid for the work shall be submitted by one Bidder or one firm of Bidders.

- c) If the Bidder deliberately gives wrong information in its bid to create circumstances for the acceptance of its bid, the Owner reserves the right to reject such bid and/or cancel the order if placed.
- d) Bid documents submitted by the Bidder shall become the property of the Owner and the Owner shall have no obligation to return the same to the Bidder.
- e) Bid must cover the entire scope of work as specified in technical specification.

Bid covering partial scope of work shall not be acceptable.

## 6.0 **INTERPRETATION OF BID DOCUMENTS**

6.1 If any Bidder finds discrepancies or omissions in the Bid Specification and documents or is in doubt as to the true meaning of any part of the bid document or scope of work to be executed it shall at once submit a written request in English language for clarification or interpretation of the doubt in question. Such request should reach the owner not later than 7 days prior to the date set for opening of the bids. This written request shall be submitted to the Owner on the following address:

The Chief Engineer (Renewable Energy)  
Maharashtra State Electricity Distribution Company Limited  
5th Floor, Prakashgad, Anant Kanekar Marg,  
D Block BKC, Naupada, Bandra East,  
Mumbai - 400051. (INDIA)

6.2 Appropriate interpretation shall be given in the form of supplementary notice without identifying the source to all the prospective Bidders. The Owner shall respond to any request for clarification of the Bid Documents, which it receives not later than 7 days (seven) prior to the deadline for submission of bids prescribed by the Owner. Owner's response (including an explanation of the query without identifying the source of enquiry) will be made available on website to all prospective bidders. However, no oral or other interpretation shall be considered as binding on Owner.

7.0 **AMENDMENT OF BIDDING DOCUMENTS**

At any time prior to the deadline for submission of bids, the Owner may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.

The amendment shall be notified on Website to all prospective Bidders and shall be binding on them.

In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, the Owner may, at its discretion, extend the deadline for the submission of bids.

8.0 **LANGUAGE OF THE BID**

All information given in the bid shall be in English language. Information in any other language shall be accompanied by its translation in English. Failure to comply with this requirement may disqualify the bid. In the event of any discrepancy in meaning, the English language copy of all documents shall govern.

9.0 **PREPARATION OF BID:**

9.1 Scanned copy of the proposal shall be submitted by each Bidder. The bids submitted and the documents attached thereto shall be considered as forming a part of the contract document.

9.2 The Bidder must state in its bid an address at which notice may be served validly upon it. All such notices shall be deemed to have been served validly which are left at such address or if sent by post shall be deemed to have arrived in due course. Any change of address must be notified to the Owner and until such notification is received, the Owner shall not be bound to take notice of any change of address and all correspondence sent to earlier address shall be deemed to be validly served on the Bidder.

9.3 Data and information in the bid shall preferably be in metric units but where other units are used, the metric equivalent shall be given.

## **10.0 CONFIRMATION TO BE GIVEN BY THE BIDDER**

10.1 The Bidder shall clearly indicate in his Bid the acceptance of the following stipulations:

- i) The rates offered by him shall be valid for acceptance for part of the quantities indicated in the quantity schedule against each item. This is apart from the quantity variation clause incorporated in Volume I Section - II.
- ii) Any amount or amounts which may become due and payable by the Contractor under this contract may be deducted by the Owner from any amount due or becoming due by him to the Contractor under any other contract.

## **11.0 BID PRICE**

11.1 The Bidder shall indicate on the appropriate Price Schedules in Vol. III attached to these documents, bid prices of the goods he proposes to supply under the contract and the price for erecting, testing and commissioning of the equipment's as required in the bid specification. The bidder is also requested to quote the rates for training & AMC in respective schedules of price bid

11.2 Prices shall be indicated on the Price Schedules separately in the following manner:

1. Schedule A - Bill of Material for Substations
2. Schedule B - Service charges towards ETC for Substations
3. Abstract of all schedule

11.3 The bidder should sum up the total prices of each schedule i.e. from A to I & that will be the price bid of bidder to be filled in SRM tendering portal at appropriate location. Bidder should note that individual price of each schedule (A to I) is not to be put up in SRM tendering **Bidders should note that the “ Ex-works” price shall include all (like F&I, labour cess, etc.) i.e. For-D, except GST. GST to be quoted separately.**

11.4 In support of price bid, bidder should attach the pdf file of each schedule.

11.5 The bidder's separation of price components in accordance with above will be solely for the purpose of facilitating the comparison of bids by the Owner and will not in any way limit the Owner's right to contract on different terms

## 12.0 **DUTIES AND TAXES**

12.1 In respect of taxes, duties the following shall apply:

- a) The prices shall necessarily include all the applicable taxes and duties including custom duty if any.
- b) The Bidders shall show in the price schedule separately the percentage and amount of applicable taxes. The percentage and amount of GST as prevailing on the record date shall be separately indicated in the Price Schedule. The Owner's liability for all taxes under the contract shall be limited to those indicated by the Bidder in the Price Schedule, subject to the statutory variations.

12.2 The bidders are advised to take cognizance of the Taxes and duties as specified.

## 13.0 **FORMAT AND SIGNING OF BID**

13.1 The Bid must contain the name, residence and place of business of the person or persons submitting the bid. All pages of Bid, drawings and other documents shall be initialed at the lower right hand corner with ink only and signed where required by the bidder.

13.2 The Bid by a partnership firm must be furnished with full names of partners and be signed by the authorized representative(s).

13.3 Bids submitted by Corporation, Companies must be signed with legal name of the Corporation/Company by the President, Managing Director or by the Secretary or other person or persons authorized to submit the bid on behalf of such Corporation/company in the matter.

13.4 Satisfactory evidence of the person signing on behalf of the bidder shall be furnished with the bid. The bidder's name stated on the proposal shall be the exact legal name of the firm.

13.5 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the persons signing the bid.

13.6 Bids not conforming to the above requirements may be disqualified.



#### 14.0 **BID SECURITY (EARNEST MONEY) & TENDER FEES**

14.1 Tender fees (Rs.25,000/-+GST as applicable) and Earnest money deposit @ 2% of estimated cost will have to be paid by the bidder through ONLINE payment mode only. Alternatively, payment of EMD can be made through Bank Guarantee in prescribed format. For online payment the bidder will have to login to <http://etender.mahadiscom.in/eatApp/> Bidder can pay through credit card or on MSEDCL bank account through NEFT/RTGS transfer. The payment confirmation will be done by Corporate office only. For payment confirmation the bidder will have to send complete details such as Tender No. / Amount / Transaction ID / Mode of payment (credit card / net banking) etc. The correspondence with corporate office shall be done on following email –

**[ncetendermsedcl@gmail.com](mailto:ncetendermsedcl@gmail.com)**

14.2 In no case exemption for payment of earnest money will be granted, except in case of SSI Units. As such the bidder is requested not to make any request for exemption of tender fee / EMD. The tender without online E.M.D. / tender fee payment will not be considered in any case. If at the time of opening of technical bid it is found that the bidder has not paid the EMD, the bidder will be declared disqualified and will not be considered for further evaluation. The tender fee and EMD payment shall be done on or before the due date/time of sale of bid. Hence the bidder shall take correct note of all the date's & time of the bidding processes. Unsuccessful bidder's bid security will be discharged/returned as promptly as possible but in any case within one month beyond the validity of the bid.

14.3 SSI unit is not required to pay the EMD amount as per prevailing Govt. Norms. However any such agency / firm will have to submit the SSI certificate along with qualifying/technical bid. For any further queries regarding payment of EMD and Tender fees, communication with **Chief Engineer (RE), Bandra East, Mumbai** shall be done on above phone or email Id **[ncetendermsedcl@gmail.com](mailto:ncetendermsedcl@gmail.com)**. As per MSEDCL's present guidelines, if minimum three bidders are not qualified the complete tender is to be refloated (for first time). However the tender fee is non-refundable in any case. All bidders shall take note of above and participate in the bidding process only if all terms and conditions are fully accepted. If the tender is required to be refloated, the bidder shall pay fresh EMD and tender fees. The tender reference no. for refloated tender will be different than the tender floated under same subject previously. It is the responsibility of the registered bidder to have communication with concerned Office for

confirmation of bid opening dates and apply for refund if any. All bidders shall invariably mention their Email addresses while submitting the bid.

The bid security may be forfeited, if a bidder withdraws its bid during the period of bid validity. In the case of a successful bidder, the bid security shall be forfeited if the bidder fails to furnish contract performance security. No interest shall be payable by the owner on the above bid security.

#### 15. **PERIOD OF VALIDITY OF BIDS**

15.1 The bids shall remain valid for 90 days from the date of bid opening prescribed by the owner. A bid valid for a shorter period may be rejected by the owner as non-responsive.

15.2 In exceptional circumstances, the owner may solicit the bidder's consent for an extension of the period of validity. The request and the response there after shall be in writing. A bidder may refuse the request without forfeiting its bid security. A bidder granting the request shall not be permitted to modify its bid. The bid security furnished by the bidder shall also be suitably extended.

#### 16.0 **SUBMISSION OF BIDS**

16.1 The Bid shall be two part Bid system i.e. the Techno-commercial bid and the Price bid separately.

16.2 Tenderer must be registered for E- tendering process. The e-tender is to be submitted online on website [www.mahadiscom.in](http://www.mahadiscom.in). The Tender Documents can be downloaded online from aforesaid website within the aforesaid date & time. The tenderer should submit their bids online well in advance within the aforesaid date & time. The scanned copy of EMD & tender fees receipts should be submitted online along with the techno-Commercial Bid. Alternatively, payment of EMD can be made through Bank Guarantee in prescribed proforma enclosed at annexure "U"

#### 16.3 **Techno-Commercial Bid:**

Under Techno-Commercial Bid, the bidder should attach the Following digitally signed Documents:-

1. Duly signed QR as per Annexure W.

2. Documentary evidences as asked in qualifying requirement (QR) – Annexure- A to N
3. Proof of online payment towards **cost of Tender Document (Tender Fee) & E.M.D/ B.G.**
4. Up to date information for the current contract commitments/ works in progress
5. Proposals regarding work methods, scheduling & resourcing which shall be provided in sufficient details to confirm the bidders capacity to complete the works in accordance with the specifications & the time of completion, including :Qualification & experience of key site management & technical personnel proposed for the contract.
6. Duly signed Annexures Other than related to QR i.e. Annexure O to Z.

#### **16.4 Price Bid-**

This should contain only price bid i.e. following Schedules:-

1. Schedule A - Bill of Material for Substations
2. Schedule B - Service charges towards ETC for Substations
3. Abstract of all schedule

After verifying the full documents/certificates Pre-qualification as above in Techno-Commercial Bid, fulfilling the desired Pre-requisites, the Price bid will be considered/ opened. If the same is not found to be meeting the pre-requisites, the price bid shall be kept without opening & considered cancelled.

#### **17.0 DEADLINE FOR SUBMISSION OF BIDS**

- 17.1 The Bids accompanied by the Bid Security must be received by the Owner at the specified website not later than the date and time specified by the Owner.
- 17.2 Tender with incomplete details or not submitted on prescribed tender form etc. are liable for rejection. This office will not be responsible for delay due to internet connectivity problem or website problem.

17.3 The Owner may, at its discretion, extend the dead line for the submission of bids by amending the bidding documents, in which case all rights and obligations of the Owner and bidders previously subject to the dead line will thereafter be subject to the deadline as extended.

**18.0 LATE BIDS:**

Any bid received by the owner after the deadline for submission of the bids stipulated by the Owner shall not be opened/considered.

**19.0 MODIFICATION AND WITHDRAWAL OF BIDS:**

19.1 The Bidder may modify or withdraw its bid after the bid submission, provided that written notice of the withdrawal or modification indicating the modification therein is received by the owner prior to the dead line prescribed for submission of bids.

19.2 No bid can be withdrawn during the interval between the deadline for submission of bids and the expirations of the period of bid validity specified by the Bidder on the bid form. Withdrawal of a bid during this interval may result in the forfeiture of bidders' bid security.

**20.0 BID OPENING:**

20.1 The date and time for the bid opening shall be as indicated in invitation for bid.

20.2 In case the date of receiving/opening of the bids happens to be a holiday for the owner, the bids shall be received/opened on the next-working day at the same appointed time.

20.3 The Techno-Commercial bid will only be opened on the due date of opening of the bid. Intending Bidders or their representatives may join online for the bid opening.

20.3. MSEDCL reserve the right to visit factory premises of meter manufacturer to review manufacturing and other facility prior to the finalization of technical bid.

20.4 Price Bid will be opened after complete scrutiny of technical and qualification bid. The date for opening of the price bid will be informed in due course.

## **21.0 POLICY FOR BIDS UNDER CONSIDERATION**

21.1 No bidder shall contact the owner on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded.

21.2 Any effort by a Bidder to influence the Owner in the Owner's bid evaluation, bid comparison or contract award decision may result in the rejection of the Bidder's bid.

## **22.0 DEVIATIONS**

22.1 The Owner desires that the Bidder shall perform all the works strictly in accordance with the requirements stipulated in this bid specification. The owner further desires that the Bidder shall abide by all the terms and conditions of this Bid Specification without any major deviations. In case however any Bidder desires to submit the bid with any minor deviations, then all such deviations shall be clearly outlined and consolidated under the relevant deviation schedules. All departures from the specification involving technical particulars, parameters etc. shall be brought out in the Schedule of Technical Deviations and departures involving general conditions of contract, conditions of contract for site works; special conditions of contract, and other aspects in "Instructions to the Bidders" shall be brought out in the Schedule of Commercial deviations. The bidder shall also indicate, in the relevant deviation schedules the financial implications for withdrawing these commercial and the technical deviations. The Bidder should note that only those deviations furnished under these schedules shall be considered by the Owner for evaluation of his bid and all other deviations, even if appearing or furnished elsewhere in the bid, shall not be given any effect by the Owner. For any deviations, either commercial or technical, taken by the Bidder, the Owner will determine whether such deviation is substantial or not. If the Owner determines that the deviation is substantial then the bid in question will be rejected as non-responsive. If the Owner determines that deviation is not serious enough to warrant the rejection of the bid it will quantify the cost of correcting the deviation as under:

- a) For any deviation stated in the deviation schedule if the Bidder has given a price implication, the same will be taken into account in the evaluation of the bid.
- b) For any deviation stated in the deviation schedule if the Bidder does not give a price implication in clear terms or states will be discussed, at a later date, or words to similar effect then the Owner will determine the price implication in accordance with the

generally accepted procedure and the same will be taken into account for evaluation of the bid, but not for ordering.

- c) In case a Bidder takes a deviation elsewhere in the bid without including the same in the relevant deviation schedule the evaluation will be done on the basis that the deviation indicated elsewhere are deemed to have been withdrawn by the Bidder without any price implication to the Owner. The successful Bidder will, therefore, have no claim for maintaining these deviations in the contract agreement and also for any financial gain or advantage out of such deviations. However, if the deviation mentioned elsewhere in the bid is advantageous to the Owner, the same shall be considered at the time of placement of order but not for evaluation of the bid.
- d) Notwithstanding above if any / error / deviation is found elsewhere in the bid (but not in the deviation schedule) regarding scope of work/bill of materials then the same will be quantified by the Owner as per the unit rate given by the Bidder and if the same is not available then by the maximum price given by other Bidder (s) for the relevant item(s) or in case no such price is available then as per assessment of the Owner to bring the offer in line with scope of work indicated in specification.
- e) Since the evaluation of the bids is being done on this basis, it shall not be open to the Bidder to contest the same at a later date in case he happens to be the lowest evaluated responsive bidder. The ordering on the successful Bidder will also be based on these criteria. The contract price shall be the price arrived at considering the price implications as per 'a' only in this clause.

### **23.0 PRELIMINARY SCRUTINY**

23.1 The Owner shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether documents have been properly signed etc. and whether the bids are generally in order.

23.2 Prior to the detailed evaluation, Owner shall determine the substantial responsiveness of each bid to the Bidding Documents. A substantially responsive Bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. The owner's

determination of a bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.

23.3 In particular, bids which do not :

- a) Adhere strictly to the work completion schedule.
- b) Confirm to all the specified fixed commercial conditions, namely
  - Liquidated damages, as per general terms and conditions of contract
  - Performance / Taking Over as per general terms and conditions of contract
  - Terms of payment as per general terms and conditions of contract,

will be treated as non-responsive. Such bids will be rejected and will not be considered further in the evaluation.

23.4 A bid determined as substantially non-responsive shall be rejected by the Owner and shall not be allowed subsequently to be made responsive by the Bidder by correction of the non-conformity.

23.5 The Owner may waive any minor infirmity or nonconformity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

23.6 All techno-commercial bids will be evaluated first for fulfillment of qualification requirement (QR) as specified and the technical suitability and scope as per technical specifications'. The bids of those who do not qualify or not fit technically will be rejected. The price bid of qualified and technically acceptable bids will only be opened. The date of opening of price bid will be informed to only those bidders who **qualify QR and technical evaluation.**

## 24.0 **EVALUATION AND COMPARISON OF BIDS:**

### **24.1 General**

24.1.1 The Owner shall evaluate and compare the bids determined to be substantially responsive to ascertain the lowest evaluated responsive bid in the interest of the Owner,

24.1.2 Arithmetical errors shall be rectified on the following basis:- If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the

unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words shall prevail. If the Bidder does not accept the correction of the errors, its bid shall be rejected.

## 24.2 **Definitions & Meanings**

24.2.1 For the purpose of evaluation and comparison of bids, the following meanings and definitions shall apply:

'Bid Price' shall mean the base price quoted by the Bidder in its proposal for the complete scope of works. i.e. summation of schedule A to B.

24.3.1 Owner's evaluation of bid will take into account suitable and economical choice based on Total Price

**Total price** shall be summation of all the Schedule A to Schedule B.

24.3.2 Deviations from the specifications, if acceptable to the Owner, in so far as practicable, shall be converted to a Rupee value and added to the bid price to compensate for the deviation from the specifications while evaluating the bids. In determining the Rupee value of the deviations, the Owner shall use parameters consistent with those specified in the bid documents and specifications and/or other information as necessary and available to the Owner.

24.4 The owner's evaluation of a bid shall exclude and not take into account:

Any allowance for Contract price adjustment during the period of execution of Contract provided in the bid.

## 25.0 **CHANGE OF QUANTITY BEFORE AWARD OF THE CONTRACT**

25.1 The owner reserves the right to vary the quantities of items to be ordered as per specifications, if found necessary before award of the contract as per unit prices. In case unit prices are not available, the prices for items added/deleted shall be mutually agreed.

## 26.0 **AWARD OF CONTRACT**

26.1 Notwithstanding anything contained in this document, the Owner reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to



award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders the grounds for the Owner's action.

26.2 Subject to above clause, the owner shall award the contract to the successful bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid provided further that the bidder is assessed to be qualified to satisfactorily perform the contract.

26.3 Notification of award of contract shall be made in writing through a 'Notice of Award', i.e. Letter of Award, to the successful Bidder. This letter of intent may be in writing by registered letter or FAX, or courier service or by speed post or via email that its bid has been accepted.

26.4 Till such time the formal contract is signed, the letter of intent issued by the owner to the successful bidder and its acceptance by the bidder shall be construed as a contract document and conditions of contract contained in these documents shall become applicable.

26.5 After award of contract the successful bidder will have to get each and every meter tested in NABL accredited LAB and submit the report accordingly. Random sample testing will be witnessed by MSEDCL representative.

## **27.0 SIGNING OF CONTRACT AGREEMENT**

27.1 The successful bidder after submission of contract performance guarantee and its acceptance by the owner shall have to sign contract agreement with the Owner within 30 (Thirty) calendar days from the date of Letter of Intent. This agreement shall be signed at the office of the owner in Bandra East, Mumbai on a date and time to be jointly decided. Contract agreement is to be executed by vendor on stamp paper of amount as per stamp duty act. The cost of stamp duty is to be borne by successful bidder.

27.2 The contractor shall send one copy of the final draft agreement to the Owner for his scrutiny and approval within twenty days (20) of issue of letter of intent by the Owner.

27.3 The Contractor shall provide, before signing of the contract, appropriate power of Attorney and other requisite materials. The contractor shall provide free of cost to the Owner all the engineering data, drawings and descriptive materials submitted with the Bid, to form a part of the contract, immediately after issue of Letter of Intent accepting the bid.

27.4 All charges for preparing the contract documents including legal fee, stamp fee etc. shall be borne by the successful Bidder. The contract shall be signed in two original copies. One to be retained by the owner and one by the bidder. After signing of the contract, the contractor shall furnish to the owner 2 nos. of true copies of the signed contract agreement.

27.5 If the successful Bidder fails to sign the contract, the same shall constitute sufficient ground for the annulment of the award of work and also the forfeiture of contract performance guarantee/security, in which event the owner may make the award to the next lowest evaluated responsive bidder or call for new bids.

27.6 The conditions given in Volume I ,section-I& II and special conditions in Volume II Section II shall form the part of the contract. Based on the information submitted by the bidder in response to the instruction to bidder additional clauses may also have to be incorporated and shall be mutually agreed to. Based on the deviations if any brought out by the bidder in deviation schedule, some of the clauses may be required to be amended/updated. This shall also be worked out with mutual agreement and accordingly incorporated in the contract agreement.

27.7 The aggregate liability of the supplier to the purchaser under the contract shall not exceed the total contract value.

## 28.0 **CONTRACT PERFORMANCE SECURITY**

28.1 The successful bidder shall provide to the owner within thirty (30) days of issue of letter of award, the contract performance guarantee as per relevant clause.

28.2 The contract performance security shall be denominated in Indian Rupees and shall be in one of the following forms.

a) A bank guarantee or irrevocable letter of credit issued by a Nationalized/ Scheduled banks is acceptable to the owner in the form provided in the bidding documents or any other form acceptable to the owner and valid for 30 days beyond the validity of the bid.

b) Demand draft payable to Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL), Mumbai and drawn on any Nationalized/ Scheduled Bank, payable at Mumbai

28.2.1 In case the performance guarantee is furnished in the form of a bank guarantee, the same shall be in the form enclosed to these bidding documents. This guarantee shall be valid till the expiry of 90 days after the end of guarantee period of the works covered under the contract.

**29.0 CONTRACT QUALITY ASSURANCE**

29.1 The bidder shall include in its proposal the Quality Assurance Plan containing the overall quality management and procedures which it proposes to follow in the performance of the works to maintain the quality of product during various phases.

29.2 At the time of Award of contract, the detailed Quality Assurance Plan to be followed for the execution of the Contract will be mutually discussed and agreed to and such agreed Plan shall form a part of the contract.

**30.0 SUBMISSION OF PROGRESS AND RELATED FORMAT**

The successful bidder shall submit the progress of various activities involved in project as per annexure given below.

Sr. No	Annexure No.	Particulars	To be Submitted to	Time Limit
1	AA	Commissioning Report of the IEM/DCU at Sub-station	CE(RE),SE O&M, SE TQA	Within 8 days
2	AB	Supply Report of the IEM/DCU at Sub-station	CE(RE),SE O&M, SE TQA	Within 8 days
3	AC	Installation & Commissioning Report of IEM Meter	CE(RE),SE O&M, SE TQA	Within next day

**31.0 CHECK LIST**

30.1 The bidders are requested to go carefully through the instructions for preparation of their Bids. Conditions elaborated in Volume I Section I & II may be borne in mind while bid preparation. The bid shall fully meet the technical requirement specified in Volume II and section I.

30.2 The bidders may depute their representative to visit the site to get any additional information and to check the site conditions personally.

30.3 The bidder may submit additional information which in his opinion shall help the owner to evaluate the bid. Bidder shall use continuation sheets wherever necessary.

30.4 The Bidders are requested to duly fill in the check list enclosed with Bid specifications. This check list gives only certain important items, to facilitate the bidder to make sure that the necessary data/information is provided by the Bidder in its proposal. This, however, does not relieve the bidder of its responsibility to make sure that his proposal is otherwise complete in all respects.

### **32.0 FORMATS AND SCHEDULES**

Following Annexures/ Proformas/Schedules are enclosed:-

#### **Data sheets to be furnished with Techno-commercial bid (Annexure-A to Annexure-Z)**

<b>Sr. No</b>	<b>Title</b>	<b>Annexure No.</b>
1.	Declaration Cum Details Regarding experience Of IEMs, DCUs, etc.	ANNEXURE-A
2.	Declaration regarding software developer	ANNEXURE-B
3.	Declaration cum details of regarding SITC of IEMs, DCUs AMR and MDP at PSS station	ANNEXURE-C
4.	Manufacture & Service Centers Details	ANNEXURE-D
5.	Declaration regarding the Service Support	ANNEXURE-E
6.	Declaration regarding Line of Credit	ANNEXURE-F
7.	Declaration regarding Change in Ownership	ANNEXURE-G1
8.	Under taking towards change in Ownership	ANNEXURE-G2
9.	Proforma of Joint Undertaking By the Collaborator / Associate along with Bidder	ANNEXURE-H
10.	Undertaking Regarding the offered material	ANNEXURE-I
11.	No Vigilance / Court case Declaration (LITIGATION)	ANNEXURE-J

12.	Undertaking for being Non-defaulter by the company	ANNEXURE-K
13.	Declaration regarding not being blacklisted	ANNEXURE-L
14.	Declaration Regarding the total coverage of technical scope	ANNEXURE-M
15.	Declaration of Non-Participation by Subsidiary, Associate or holding company	ANNEXURE-N
16.	Declaration regarding open standard product	ANNEXURE-O
17.	Declaration regarding the Integration work expertization	ANNEXURE-P
18.	Key Particulars of bid for Tender	ANNEXURE-Q
19.	Bid Proposal	ANNEXURE-R
20.	Commercial Deviations	ANNEXURE-S
21.	Technical Deviations	ANNEXURE-T
22.	BID Security form	ANNEXURE-U
23.	Undertaking Regarding Quantity Variation	ANNEXURE-V
24.	Qualifying requirements	ANNEXURE-W
25.	Performance security form	ANNEXURE- X
26.	Type test details of equipment's	ANNEXURE-Y
27.	Check List	ANNEXURE-Z
28.	Commissioning report of the IEM meter/DCU	ANNEXURE-AA
29.	Supply report of the IEM meter at substation	ANNEXURE-AB
30.	Installation &commissioning report of the IEM meter	ANNEXURE-AC
31.	List of PSS where meter to be replace	ANNEXURE-AD

**Data sheets to be furnished with Price bid (Schedule-A to Schedule B)**

- 1) Schedule A - Bill of Material for Substations
- 2) Schedule B - Service charges towards ETC for Substations

Sd/-

**Chief Engineer (Renewable Energy.)**

M.S.E.D.C.L., Bandra East, Mumbai

## Schedule – A

### Bill of Quantities (BOQ)

The schedules of requirement in respect of “Good and Services” are listed below:

Sr. No.	Description of Unit	UOM	Total quantity
<b>Supply (A)</b>			
1	ABT Meter (with DLMS)	Nos.	36
2	Data Concentrator Unit (DCU)	Nos.	32
3	Switch 10/100, 6+2, manageable and SNMP	Nos.	32
4	Metering panel, Systems, Model-AMR panel, Outdoor type	Nos.	32
5	Antena and Mast, Make-Kalkitech	Set	36
6	Offline Base Computer Software	Nos.	32
7	Cable Connectors & Accessories	Set	36
		<b>Total Basic (A)</b>	
<b>Services (B)</b>			
8	Commissioning charges of DCU & networking charges (1-Manday)	Nos.	32
9	Drawing & Design	Nos.	36
		<b>Total Basic (B)</b>	
	<b>Grand Total</b>	<b>Grand Total (A+B)</b>	

**Note** – The quantity of material may subject to vary depending on site by site.

GST : GST will be charged extra as per applicable rate.

## Schedule – B

Sample format for submission of Price Bid should be as follows:

Sr. No.	Description of Unit	HSN Code	Unit	Unit Price in INR	GST rate (As applicable)	Total Price
	<b>Supply (A)</b>					
1	ABT Meter (with DLMS)	90283010	Nos.			
2	Data Concentrator Unit (DCU)	85176290	Nos.			
3	Switch 10/100, 6+2, manageable and SNMP	84713010	Nos.			
4	Metering panel, Systems, Model-AMR panel, Outdoor type	85371000	Nos.			
5	Antena and Mast, Make-Kalkitech	85176290	Set			
6	Offline Base Computer Software	90289010	Nos.			
7	Cable Connectors & Accessories	90289010	Set			
		<b>Total Basic (A)</b>				
	<b>Services (B)</b>	<b>SAC Code</b>				
8	Commissioning charges of DCU & networking charges (1-Manday)	995461	Nos.			
9	Drawing & Design	99839	Nos.			
		<b>Total Basic (B)</b>				
	<b>Grand Total</b>	<b>Grand Total (A+B)</b>				

### Note –

- Prior to procurement of material the bidder shall satisfy himself in all respect regarding installation, erection and commissioning of IEM, DCU etc.
- MSEDCL shall be indemnified from inability of bidder to install metering equipments due to site conditions or any reason whatsoever.
- The quantity of material may subject to vary depending on site by site.
- GST will be charged extra as per applicable rate.
- The final bill shall be settled only after successful integration of metering equipments with SLDC.
- Bidder shall make his own arrangements for movement of human resources and equipment within and outside the sites/units/offices at the various locations covered by the Contract at his own cost.