

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.



SRM 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.’

TENDER NO: MSEDCL/CE/RE/AMR/T-01/2023-24 dated 26.09.2023

Volume – II

Section - II

SPECIAL CONDITIONS AND ANNEXURE

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Special Conditions of Bid

1. Bidder should visit at few substations to assess the scope of work at substations and for project as a whole. List of substations with addresses, contact numbers of concerned Engineer are enclosed in Vol II section II (Annexure AD).
2. The successful bidder (L1 bidder) has to carry out detailed survey and submit substation wise and control center wise bill of Quantity. The survey sheet and BOQ should be signed by MSEDCL Engineer/Engineers and representative of Bidder. Detailed work order will be issued only after submission of detailed BOQ of all substations in project and that of control center.
3. The successful bidder has to execute proof of concept (POC) at one substation and exhibit the receipt of IEM & MFM data at remote location by making suitable arrangement. If L1 bidder fails to demonstrate POC successfully, then L2 followed by L3 will be asked to demonstrate the POC. Detailed work order will placed on successful bidder only after successful POC.
4. The successful bidder should note that Time period for completion of project is **Three (03) months** from date of LOA. So the successful bidder has to deploy sufficient manpower in required zone of MSEDCL at time of survey and implementation of project. Bidder has to carry out works simultaneously in required zones for completion of project with in time period.

5. MSEDCL reserves the right to change the scope and technical solution of various functionalities envisaged in tender at substation as well as at control center.
6. The successful bidder has to communicate well in advance with the concerned engineer of the substation to carry out the works. The person deputed to carry out the works should carry valid ID proof issued by government and should obtain permission from the concerned engineer before carrying out the works.
7. MSEDCL reserves the right to review the bidder`s performance in MSEDCL or any other power utility during last five years and may accept/reject the offer in part or fully accordingly.
8. During warranty period, the required configuration changes in MDAS software, shall be responsibility of vendor. e.g. addition or deletion of meter, additional report generation as per MSEDCL requirements.
9. MSEDCL reserves the right to accept or reject any other technical solution provided by bidders.
10. All the software licenses will be in the name of MSEDCL (license shall be of full use license).

ANNEXURE-A

We hereby furnish following details in support of OEM of IEMs.

Sr No	Name of utility	Work order no & date	Amount of work order	No of IEMs Installed	No of IEMs in service	Remark
1						
2						
3						
4						
5						

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-B1

DECLARATION REGARDING SOFTWARE DEVELOPER/IEM -OEM

WE HEREBY DECLARE THAT WE HAVE THE SOFTWARE DEVELOPMENT CAPABILITIES, HAVING ALL TOOLS, IN HOUSE TESTING FACILITIES, DESIGN, REQUIRED INFRASTRUCTURE FOR IMPLEMENTATION AND MAINTENANCE OF AUTOMATED METER READING SYSTEM & ALL RELATED ACTIVITIES.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

NOTE: In case of meter manufacturer, DCU manufacturer, System integrator are different entities collectively meeting criteria mentioned in Volume-I section-I 3B.1 certified by necessary credential in that case separate authorization on from concerned entity should be submitted.

AUTHORIZATION CERTIFICATE

(To be issued on the Manufacturer Firm's Letter head)

1. I/We hereby confirm to supply _____
(Specify Item Name) to M/s _____ as quoted by them to
MSEDCL against their **TENDER NO. MSEDCL/CE/RE/AMR/T-01/2023-24 dated
26.09.2023**. We also confirm to be fully responsible for providing after sale services in
India for the same for at least 10 Years after commissioning of equipment.

2. I/ We hereby confirm to provide necessary support to M/s _____ in
terms of technical know-how, spares etc. and meeting of guarantee and warranty
obligations of _____ (Specify Item Name) as
per GCC/SCC and specifications.

I [Mr. _____ (Name of Authority)] am fully authorized to issue this
certificate on behalf on M/s _____.

Name of issuing Authority _____

Signature of Issuing Authority _____

Address of Issuing Authority _____

Phone No. of Issuing Authority _____

Fax no. of Issuing Authority _____

ANNEXURE-C

We hereby furnish as below details of SITC of IEMs, AMR of PSS stations

Sr No	Name of utility	Work order no with date	Amount of work order	No Of IEMs/AMR system commissioned	Remark
1					
2					
3					
4					
5					

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-D

Details of the service centers as below:

Sr No.	Details of service centers in India
1	
2	
3	
4	
5	

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-E

DECLARATION REGARDING THE SERVICE SUPPORT

WE HEREBY DECLARE THAT WE ARE ABLE TO PROVIDE ALL REQUIRED SYSTEM SUPPORT & OUR SERVICES FOR MAINTAINING THE IEMs & AMR COMMISSIONED AT SUBSTATIONS AND MDAS AT CONTROL CENTRE AFTER COMMISSIONING FOR A PERIOD OF MIN 10 YEARS. WE HEREBY AGREE TO EXECUTE SERVICE LINE AGREEMENT.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-F

DECLARATION REGARDING LINE OF CREDIT

WE HEREBY DECLARE THAT WE WILL SUBMIT DEDICATED REVOLVING LINE OF CREDIT FOR AN AMOUNT NOT LESS THAN 5% OF THE ESTIMATED COST OF THE WORKS FROM OUR BANKERS BEFORE ISSUANCE OF LOA. IF DECLEARED THE L1 BIDDER.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-G1

DECLARATION REGARDING CHANGE IN OWNERSHIP

WE HEREBY DECLARE THAT WE DO NOT ANTICIPATE CHANGE IN OUR OWNERSHIP DURING THE PROPOSED PERIOD OF THE WORK TILL SUCCESSFUL COMPLETION OF WARRANTY PERIOD OF THE PROJECT.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-G2

UNDERTAKING TOWARDS CHANGE IN OWNERSHIP

WE HEREBY UNDER TAKE THAT IN CASE OF CHANGE IN OWNERSHIP, WE WILL COMMUNICATE TO MSEDCL TIMELY AND SHALL UNDER TAKE SEAMLESS EXECUTION OF CONTRACT AS PER AGREED TERMS & CONDITIONS OF TENDERS AND CONTRACTS.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-H

**PROFORMA OF JOINT UNDERTAKING BY THE COLLOBORATOR
/ASSOCIATE ALONGWITH THE BIDDER**

(On Non-judicial stamp paper of Appropriate value)

THE DEED OF UNDERTAKING executed this.....day of (month) Two thousandby a Company incorporated under the laws of and having its registered office at..... (hereinafter called the collaborator"/"Associate" which expression shall include its successors, executors and permitted assigns) and "Bidder"/"Contractor" which expression shall include its Successors, executors and permitted assigns) in favor of Maharashtra State Electricity Transmission Co. Ltd: having its Registered office at Mumbai,(hereinafter called the "Owner" which expression shall include its successors, executors and assigns).

WHEREAS THE OWNER invited bids as per its specification TENDER NO.____ for establishment of AMR at _____ substations

AND WHEREAS clause 3.0 of Section I , Part-I interalia stipulates that the Bidder along with its Collaborator/ Associate must fulfill the qualifying requirements and be jointly and severally bound and responsible for the successful performance of the contract in the event the bid is accepted by the Owner resulting in a "Contract".

AND WHEREAS the bidder has submitted its bid to the Owner vide Proposal No..... dated based on the Collaboration/Association of the Collaborator/ Associate.

NOW THEREFORE THIS UNDERTAKING WITNESSETH AS UNDER:

1) In consideration of the award of Contract by the Owner to Bidder (hereinafter referred to as the "Contract") we, the Collaborator/Associate and the Bidder/Contractor do hereby declare that we shall be jointly and severally bound unto the Maharashtra State Electricity Distribution Co. Ltd; (Owner) for the successful performance of the Contract and shall be fully responsible for the design, manufacture, erection, testing and commissioning.

2) In case of any breach of the contract by the Contractor, we, the Collaborator/ Associate do hereby agree to be fully responsible for successful performance of the Contract and undertake the Contract in order to discharge the Contractor's obligations stipulated in the contract. Further if the Owner suffers any loss or damage on account of any breach in the contract, we the Collaborator/ Associate and the Contractor jointly and severally undertake to pay such loss or damage to the Owner on its demand without any demur limited to value of contract. However the contractor shall not be liable for any consequential losses/damages. This is without prejudice to any rights of the Owner against the Contractor under the contract and connected documents/guarantees. It shall not be necessary or obligatory for the Owner to proceed against individual Collaborator/ Associate before proceeding against the while dealing with the Contractor, nor any extension of the time or any relaxation by the Owner to the Contractor shall prejudice any rights of the Owner under the deed of undertaking against the Collaborator/ Associate or the Contractor.

3. Without in anyway affecting the generality and total responsibility in terms of this deed of Undertaking, the Collaborator/Associate in particular hereby agrees to depute their technical experts from time to time to contractors works/Owner's project site as mutually considered necessary by the Owner, Contractor and the Collaborator/ Associate to ensure proper design, manufacture, erection, testing and successful performance of the material package in accordance with contract specifications and if necessary the Collaborator/Associate shall advise the Contractor suitable modifications of designs and implement necessary corrective measures to discharge the obligations under the Contract.

4) The financial liability of the Collaborator/Associate to MSEDCL (Owner) with respect to any and all claims arising out of the performance or non performance of the obligations set forth in this Deed of Undertaking read in conjunction with the relevant provisions of the contract, shall however, be limited to the extent of 100% price of the supply portion as established in the contract awarded by the Owner to the Contractor in terms of the Contract and this Deed of Undertaking.

5) This Deed of Undertaking shall be construed and interpreted in accordance with the laws of India and the courts in Mumbai shall have exclusive jurisdiction in all matters arising under the Undertaking.

6) As security, the collaborator/associate shall apart from the Contractor's performance guarantee furnish Contract performance guarantee from its Bank in favour of the owner from acceptable to it. The value of such guarantee shall be equal to 10% of contract price (for bidding through 1.1) as established in the 'Contract' awarded by the Owner to the Contractor and it shall be part of guarantee towards the faithful performance/compliance of this DEED OF UNDERTAKING in terms of the 'Contract'. The guarantee shall be unconditional, irrevocable and valid for the entire period of the Contract, namely till the end of the package under the Contract. The bank guarantee amount shall be payable to the Owner on demand without any reservation or demur.

7) We, the Collaborator, Associate and the Bidder/ Contractor agree that this undertaking shall be irrevocable and shall form an integral part of the contract and further agree that this Undertaking shall continue to be enforceable till the Owner discharges and it shall become operative from the effective date of the contract.

IN WITNESS WHEREOF the Collaborator/Associate and the Bidder/ Contractor have, through their authorized representatives, executed these presents and affixed common seal of their respective Companies, on the day, month and year first above mentioned.

WITNESS

1.For Collaborator/Associate
(Signature)

..... (Signature of Authorized Representative)
(Name)

.....
(Official Address)

.....
(Name)

.....
(Designation)

Common Seal of the Company

2.For Bidder/Contractor

(Signature)

.....
(Name in Block Letters)

.....
(Signature of the Authorized Representative)

.....
(Official Address)

.....
(Name)

.....
(Designation)

Common Seal of the Company

ANNEXURE- I

UNDERTAKING REGARDING THE OFFERED MATERIAL

WE HEREBY UNDERTAKE THAT WE ARE RESPONSIBLE FOR SUPPLY OF OFFERED MATERIAL ALONG WITH REQUIRED HARDWARE, SOFTWARE AND ALL RELATED ACCESSORIES & SERVICES REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE PROJECT.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE- J

NO VIGILANCE/COURT CASE DECLARATION (LITIGATION)

WE HEREBY DECLARE THAT NO VIGILANCE /COURT CASE IS PENDING/ONGOING WITH ANY STATUTORY REGULATORY OR GOVT. AUTHORITIES OR PUBLIC SECTOR UNDERTAKING (PSU/PSB) AGAINST US THROUGH OUT INDIA.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-K

UNDERTAKING FOR BEING NON-DEFAULTER BY THE COMPANY

WE HEREBY UNDERTAKE THAT WE ARE NOT DECLARED AS
DEFAULTER AS PER THE TERMS AND CONDITIONS LAID DOWN BY
THE COMPANY.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE- L

DECLARATION REGARDING NOT BEING BLACK LISED

WE HEREBY DECLARE THAT WE ARE NOT BLACKLISTED / DEBARRED BY ANY STATUTORY, REGULATORY OR GOVERNMENT AUTHORITIES OR PUBLIC SECTOR UNDERTAKINGS (PSUS / PSBS) AT THE TIME OF BIDDING.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE- M

**DECLARATION REGARDING THE TOTAL COVERAGE OF TECHNICAL
SCOPE**

WE HEREBY DECLARE THAT ALL THE TECHNICAL FEATURES HIGHLIGHTED AS PART OF TECHNICAL SCOPE ARE COVERED IN TOTALITY IN THE PROPOSAL SUBMITTED BY US.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE- N

**DECLARATION OF NON PARTICIPATION BY SUBSIDIARY,
ASSOCIATE OR HOLDING COMPANY**

WE HEREBY DECLARE THAT ANY OF OUR 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.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-O

DECLARATION REGARDING THE OPEN STANDARD PRODUCT

WE HEREBY DECLARE THAT WE HAVE THE OWN STATE-OF-THE-ART IEMs, AMR AND MDP PRODUCTS, BASED ON INDUSTRY RECOGNIZED OPEN SYSTEMS STANDARDS.

Name of the Firm: _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

NOTE: In case of meter manufacturer, DCU manufacturer, System integrator are different entities collectively meeting criteria mentioned in Volume-I section-I 3B.1 certified by necessary credential in that case separate authorization from concerned entity should be submitted.

ANNEXURE-P

DECLARATION REGARDING THE INTEGRATION WORK EXPERTIZATION

WE HEREBY DECLARE THAT WE HAVE PROVEN EXPERTISE IN
INTEGRATION OF MULTI - VENDOR IEMs, AMR IN MDP SYSTEM.

Name of the Firm : _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE- Q

**KEY PARTICULARS OF BID FOR TENDER NO. MSEDCL/CE/RE/AMR/T-01/
2023-24 dated 26.09.2023**

1. Bidder's complete company Name and Address:

2. Bidder's proposal No. & Date:

3. Bidder's Proposal valid up to:

4. Name & Designation of the
officer of Bidder to whom all
references shall be made for
expeditious co-ordination with
Phone No, Mobile No, E-mail id.:

5. Are all deviations taken by the Yes/No
bidder are clearly stated in the
Deviation sheets

6. Do you certify that there is Yes/No
no other deviation apart
from those indicated in the
deviation sheets:

7. Income Tax Clearance enclosed : Yes/No

8. Scanned copy of EMD enclosed : Yes/No

Whether change of Ownership

expected during the tenure of contract: Yes/No

10. Authorized signatory

Name & Signature

Documentary evidence of authorized signatory.

Signature:-----

Name:-----

Designation:-----

Seal of Company -----

ANNEXURE-R

BID PROPOSAL

Bidder's Name:

Full Address:

Telephone No.:

E-Mail :

Fax No.:

To,

**The Chief Engineer,
Renewable Energy Section,
5th Floor, Prakashgad,
Anant Kanekar Marg,
D Block BKC, Naupada, Bandra East,
Mumbai - 400051**

**Sub: Bid Proposal for Supply, Installation, Testing and Commissioning
for.**

Dear Sir,

We, the undersigned bidder having read and examined in details the specification and documents pertaining to the works as stated above for MSEDCL do hereby propose to perform the works as a fully coordinated package as set forth in your specification and documents.

1.0 BID VALIDITY:

We confirm that all the terms, conditions and price of this proposal are valid for acceptance for a period of 90 days from the date of opening of bid i.e. up to-----

2.0 PRICES:

We hereby confirm that our bid price includes all the import duties and levies including license fees, royalty, etc. payable by us on imported items and all other taxes etc. applicable on bought out components, materials, equipment's and other items and confirm that any such taxes, duties and levies additionally payable will be to our account.

3.0 BID SECURITY (EARNEST MONEY):

We have enclosed a scanned copy of Earnest Money Deposit a sum of -----
----- valid for a period of 8 months from the date of opening of techno-
commercial bid i.e. valid up to -----.

4.0 DEVIATIONS:

We hereby confirm that all the materials & services in the form of a fully coordinated package, will be supplied by us strictly in accordance with your specification and documents and within the time frame stipulated, except for the deviations, all of which have been detailed out exclusively in the following schedules, irrespective of whatever has been stated on the contrary anywhere else in our bid

a) Commercial deviations are furnished in the Annexure 4 for commercial deviations.

b) Technical deviations are furnished in the Annexure 5 for technical deviations.

We further agree that additional deviations/ variations, if any, found in our bid documents other than those stated in the above 2 deviation schedules pertaining to any rebate offered, shall not be given effect to.

5.0 CODES AND STANDARDS:

We confirm that all the materials/equipment supplied by us under this bid shall be according to the various codes, standards, acts, laws, rules, etc. as specified in your bid specification and documents. The materials/equipment's size shall be limited to the transportation facilities available in India, the conditions of roads, bridges, ports, etc. for unloading and/or transporting heavy pieces of materials.

6.0 FAMILIARITY WITH RELEVANT INDIAN LAWS & REGULATIONS:

We confirm that we have studied the provisions of relevant Indian laws & regulations as required to enable us to quote for this bid & as required to execute the works in the event this contract is awarded to us.

7.0 APPRAISAL OF SITE CONDITION:

We confirm that we are fully familiar with site conditions.

8.0 PERFORMANCE GUARANTEE:

We confirm that the ratings and performance figures of the equipment's to be supplied are fully guaranteed, we understand and agree that certain parameters

and characteristics of the equipment's supplied attract levy of penalties for non-performance. The guarantee declaration of such parameters and

characteristics are enclosed in our offer. If any defect develops in the equipment supplied by us within the guarantee period which can be attributable to improper design, material, workmanship, etc., the same shall be rectified by us without any additional cost to you. Towards this and for abiding by your terms and conditions we will furnish a performance security bond for a value of 10% of the contract price after receipt of letter of intent accepting the bid.

9.0 QUALIFICATIONS:

We confirm that we are qualified and have adequate technical knowledge and practical experience. We also confirm that we do not anticipate change in the ownership of our company/firm during the proposed period of work and we have adequate financial stability and status to meet the functional obligations pursuant to the scope of work. The full details regarding qualifications, etc. are enclosed as specified by you.

10.0 PRICES: We confirm that the prices quoted are **FIRM**.

11.0 We hereby declare that only the persons or firms interested in this proposal as principals are named here and that no other person or firm other than herein mentioned have any interest in this proposal or in the contract to be entered into if we are awarded the contract. We also confirm that this proposal is made without any connection with any other person, firm or party likewise submitting a proposal and that this proposal is in all respect fair and in good faith without collusion or fraud.

Dated the ... day of 2023.

Thanking you,

Yours faithfully,

(Signature, name, designation and Company's Seal)

Business Address:

Name, address and e-mail ID of Principal Officer.

ANNEXURE-S
COMMERCIAL DEVIATIONS

We confirm that all commercial deviations are listed in this schedule.

Sr.No.	Clause No. & Deviations	Deviation shall be withdrawn with price implication Yes/No	Price implication in case the answer for Col.3 is yes Increase / Decrease in price
1	2	3	4

Signature of Bidder: _____

Name: _____

Designation: _____

Seal of company : _____

ANNEXURE-T

TECHNICAL DEVIATIONS

We confirm that all Technical deviations are listed in this schedule.

Sr.No.	Clause No. & Deviations	Deviation shall be withdrawn with price implication Yes/No	Price implication in case the answer for Col.3 is yes Increase / Decrease in price
1	2	3	4

Signature of Bidder: _____

Name: _____

Designation: _____

Seal of company : _____

ANNEXURE-U
BID SECURITY FORM

(To be Stamped in accordance with Stamp Act)

Ref

.....

Date

.....

Bank Guarantee

No.....

In accordance with invitation to Bid for the work of

.....

..... Bidders

.....

..... OR

Mr.....

.....Address

.....

Director(s)wish/wishes to participate in the said tender and as a bank guarantee for the sum of Rs..... (in words Rs.....) as specified in the invitation to Bid valid for days from is required to be submitted by the tenderer, this bank hereby guarantees and undertakes during the above said period to immediately pay on written request by Maharashtra State Electricity Distribution Company Ltd (Owner) the amountto the said Electricity Distribution Company without any reservations. This guarantee would remain valid up to 4 P.M. on.....(this date shall be 8 months after last date of submission of bid) and if any further extension to this is required, the same will be extended on receiving instructions from the..... on whose behalf this Guarantee has been issued.

Witness:

.....

(Signature)

(Signature)
for and on behalf of

(Name)

mailing address including Telex No.
H.O. of Bank

(Official Address)

(Seal of the Bank)

ANNEXURE – V

UNDERTAKING REGARDING QUANTITY VARIATION

WE UNDERTAKE THAT THE Quantities for items IEMs, DCUs, Transducers, Cables, etc. may change and will be finalized after Joint survey of Substation by the successful Bidder & MSEDCL after award of contract.

Signature of the Bidder: _____

Name & Address of the Bidder: _____

Date: _____

Seal of Company: _____

Qualifying Requirement

ANNEXTURE-W

As per tender Volume-I section I clause No. 3	Eligibility criteria	Complied Yes/No	If Yes then supporting required documents	Bidders comment
B.1	Technical Qualifying requirement of the bidder			
	<p>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 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.</p> <p>b. 1.The bidder or its principal manufacturer should have the software development capability for MDAS/MDM and MIS reporting. For details please refer the enclosed technical specifications of this project.</p> <p>2.The bidder or its principal manufacturer should have supplied and commissioned such system handling at least 100 IEMs. Further same should</p> <p>c. be in operation.</p> <p>d. The bidder or its principal meter manufacturer of IEMs, DCUs, Meter Data Acquisition System (MDAS) and should have after sales service facility in India.</p> <p>The bidder or its principle meter manufacturer shall be able to provide all required system support & his services for maintaining the Meters and AMR equipment commissioned at substations 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. A bidder who is an Indian Entity</p>		<p>Should attach copy of the orders to establish as per Annexure - A</p> <p>Self declaration as per Annexure - B</p> <p>Attach the details in Annexure -C</p> <p>Attach the details in Annexure -D</p>	

	<p>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.</p> <p>b. Audited balance sheets for the specified last three years duly certified by Chartered Accountant only to be submitted.</p> <p>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)</p> <p>NET WORTH</p> <p>2.2 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.</p> <p style="text-align: center;">AND</p> <p>2. The bidder shall submit audited balance sheets for the specified last three years duly certified by Chartered Accountant.</p> <p>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.</p> <p>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.</p>		<p>Attach original copy certified by Chartered Accountant having UDIN.</p> <p>Please attach audited balance sheet for financial approval 19-20, 20-21 & 21-22</p> <p>Undertaking as per Annexure-F</p> <p>Self declaration As per Annexure-G1 or G2 whichever is applicable.</p>	
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	<p>2.5</p>	<p>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)</p>		<p>Submission as mentioned against 2.1 and 2.2 above</p>	
	<p>2.6</p>	<p>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).</p>		<p>Submission as mentioned against 2.1 and 2.2 above</p>	
	<p>2.7</p>	<p>If the bidder submits bid as Joint Venture/Consortium of two firms then JV/Consortium should collectively meet following requirements</p> <p>Eligibility of bidder as JV/Consortium: -</p> <p>(i) They shall have legally valid JV/Consortium agreement.</p> <p>(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 the same should be enclosed with bid. The manufacturer should meet the criteria mentioned in clause no. 1.</p> <p>(iii) The stipulated technical and financial qualifying requirements to be fulfilled by the JV/Consortium members.</p> <p>(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.</p>		<p>Certified copy of legally valid JV /Consortium agreement.</p> <p>Submit details of JV/Consortium partners</p> <p>Submission of all documents as requested in clause 1</p> <p>Submit/attach supporting documents</p>	

	<p>2.8</p>	<p>(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.</p> <p>(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).</p> <p>a) Registration in MSEDCL SRM e-tendering of appropriate class & Category. (In case of JV/Consortium at least any one of the JV/Consortium Member should be registered in appropriate class.)</p> <p>b) Lead member of JV/Consortium should have valid Tax Registration Certificate (GST).</p> <p>c) Valid solvency certificate(Lead member)</p> <p>d) Lead member of the JV/Consortium should have the valid Income Tax Permanent Account Number.</p> <p>e) In case of JV/Consortium, notarized copy of agreement shall be submitted along with the application.</p> <p>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.</p>		<p>Submit/attach supporting documents (Annexure H)</p> <p>Upload the registration documents</p> <p>Upload the valid tax GST certificate</p> <p>Upload the solvency certificate</p> <p>Upload the PAN copy</p> <p>Upload the said document</p> <p>Undertaking as per Annexure I</p>	
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	<p>2.9</p>	<p>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)</p>		<p>Upload 1. Electrical contractor license/Undertaking. 2. GST registration certificate. 3.P.F registration certificate</p>	
	<p>2.10</p>	<p>The bidder/ Lead bidder is liable for disqualification on account of any of the following reasons:</p> <ul style="list-style-type: none"> 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. 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. e) If the documents submitted by the 		<p>Confirmation as per Annexure- J</p> <p>Undertaking as per Annexure K</p>	

		<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>		<p>Upload Annexure- L</p> <p>Confirmation as per Annexure - M</p> <p>Confirmation as per Annexure-N</p>	
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Name of the Firm: _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-X

PERFORMANCE SECURITY FORM

(To be Stamped in accordance with Stamp Act)

The Bank of (Name & Address) hereby agree unequivocally and unconditionally to pay, at Mumbai within 48 hours, on demand in writing from the Maharashtra State Electricity Distribution Company Ltd, or any Officer authorized by it in this behalf, of any amount up to and not exceeding Rs..... (in words) Rupees on behalf of M/s who have tendered and/or contracted or may tender or contract hereafter for unit scope of works for the Maharashtra State Electricity Distribution Company Ltd against order No..... dated Total value of order is Rs.....

This agreement shall be valid and binding on this Bank up to and including and shall not be terminable by notice or any change in the constitution of the Bank or the firm of Contractors or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, concerned or agree with or without our knowledge or consent, by or between parties to the said within written contract. The validity of this Bank Guarantee will be extended by us for the further period of six months, one month prior to its present validity period at the request of Contractor.

In case of any dispute arising out of or in connection with the extension or encashment of Bank Guarantee the courts in Mumbai will have jurisdiction.

Our liability under this Guarantee is restricted to 10% value of Contract Rs..... (Rs..... only). Our Guarantee shall remain in force until

This guarantee shall remain in force until _____ unless a suit or action to enforce claim under the guarantee is filed against us within 3 months from the aforesaid date, all your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liability there under.

Date : _____ Signature :

..... Address:

Name & Designation:.....

Telex No.....

(For.....

.....

(Banker's Rubber Seal)

Gram:.....

WITNESS:

(Signature)

(Name & Official Address)

ANNEXURE Y

Type test details of equipment/software

Sr.no	Name of equipment/software	Type test carried out in NABL accredited Lab in last 5 years from date of opening of bid (yes/no)	Date of Type Test	Name of agency Institution where if type test is carried out	Details where the document is attached vol. no page no of bid

Name of the Firm: _____

Signature of the Tenderer : _____

Designation : _____

Date : _____

Seal of company : _____

ANNEXURE-Z

CHECK LIST

We confirm that we have gone through the bid documents for tender No.MSEDCL/CE/RE/ T-01/2023-24 and as instructed in these documents we hereby submit the following documents to form the bid

Sr. No.	Name of document	Whether submitted Yes/ No
1.	Bid proposal (in the format furnished in the bid specifications. ANNEXURE-Q)	
2.	Bid security (in the format furnished in the bid ANNEXURE-T)	
3.	Key particulars of bid. ANNEXURE-Q	
4.	Documents and various details in support of fulfilling Qualifying Requirements'.(ANNEXURE-A to O)	
5.	Balance sheets & Profit and loss account for Three preceding financial years.	
6.	Income Tax clearance certificate for three preceding financial years	
7.	Work completion schedule.	
8.	Technical deviation schedule (ANNEXURE-T)	
9.	Commercial deviation schedule (ANNEXURE-S)	
10.	List of Personnel	
11.	Any other information.	
12.	Price Bid schedule A to G	

Signature:-----

Name:-----

Designation:-----

Seal of Company:-----

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
OFFICE OF CHIEF ENGINEER (RENEWABLE ENERGY)**

Annexure: AA - COMMISSIONING REPORT OF THE IEM METER/DCU (To be submitted to SE, O&M and SE (TQA))

1. **Name of MSEDCL Zone / Utility:**
2. **Name of MSEDCL Circle:**
3. **Name of MSEDCL Division:**
4. **Name of Subdivision:**
5. **Name of Sub-Station & Address:**
6. **Name of Sub-Station In-charge & Contact No:**

A) IEM Meter:

Sr. No.	Name of Feeder	Interface Type	Main Meter	
			Identification	Sr. No.

B) DCU/Communication Gateway:

Sr. No.	Nos. of DCU/Communication Gate way installed	Total No. of IEM Meter connected per DCU	DCU/Communication Gate way Details		
			Make	Type	Sr. No.

C) Network switch:

Sr. No.	Network Switch Details				
	Make	Type	Sr. No	No of Port	Port Details

D) Commissioning Check list:

Sr. No.	Parameters	Status		Remarks
		ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
1	Check that IEM meter is properly installed on CRP panel or separate metering panel.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
2	Check that CT/VT supply is connected to IEM meter shall be extended through disconnected type TB or TTB.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
3	Check that proper ferruling, tagging of CT/PT & DC wiring is done.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
4	Check that Separate feeder for DC supply with MCB/DC fuse link is provided.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
5	Check that IEM meter shall be power ON on DC aux. power supply.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
6	Check that IEM meter shall also have provision to power ON on Voltage Transformer (VT) secondary circuit.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
7	Check that IEM meter shall be provided with communication ports _ IEC1107 (Ethernet port)/ RS485 & TCP/IP	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
8	Check that Meter data reading/downloading through optical port by HHU is possible.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
9	Check that Meter data reading/downloading through optical port shall be transferred to Local computer or storage unit/device is possible & should be unidirectional i.e. from meter to storage device.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
10	Check that all communication cables are correctly connected to respective device. Also proper ferruling, tagging is done.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
11	Check that 'Low Voltage LED/LCD' on meter shall glow when AC voltage dropped to specified voltage (70% of Vref).	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
12	Check that meter display will be switch on/changing one indication to next through touch key/push button provided on meter. Also check that meter display will be switch off automatically after one minute.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
13	Check that IEM meter shall be configured for correct/connected CT/PT ratio.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
14	Check that IEM meter shall display the following indication	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
	Meter serial and model no.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
	Date & Time	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
	Cumulative Wh, Net Wh/ Net VARh transmittal during the previous block, Reactive power (VAR)	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
	Average frequency of the previous block & Average % Voltage Average % Voltage	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
	Voltage - high VARh registers reading, Voltage - low VARh register reading	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
	Low battery indication	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	

Sr. No.	Parameters	Status		Remarks
15	Check that DCU is properly installed & supplied with suitable enclosure for CRP panel or separate metering panel or on Control room wall.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
16	Check that proper ferruling, tagging of Communication cable & power cable is done at DCU end.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
17	Check that Separate feeder for DC/AC supply with MCB/DC/AC fuse link is provided to power ON DCU.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
18	Check that DCU shall be power ON on DC aux. power supply or AC supply or both.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
19	Check that DCU shall be provided with communication ports _ RS-485/LAN/USB port	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
20	Check that DCU have provision of GSM/GPRS/Modems, Media converter etc.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
21	Check that DCU Power ON LED working	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
22	Check that DCU Communication healthy LED working	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
23	Check that power failure communication fault healthy LED working	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
24	Check that DCU charger if provided is working properly.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
25	Check that Ethernet switch is properly installed on CRP panel or separate metering panel.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
26	Check that proper ferruling, tagging of Communication cable & power cable is done at Ethernet switch.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
27	Check that Separate feeder for DC/AC supply with MCB/DC/AC fuse link is provided to power ON switch.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
28	Check for correctness of port connected on Ethernet switch.	ok <input type="checkbox"/>	Not ok <input type="checkbox"/>	
29	Training to substation person for trouble shooting in day to day work is given.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
30	Check that user manual provided which shall contain details of IEMs, external connections to DCU, communication system, block diagram of system at DCU site, instructions of using DCU system, trouble shooting of DCU system etc.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

Place:		Date:	
Signature:		Signature:	
Name of MSEDCL/Utility Representative with office stamp/seal		Name of Vender Representative with office stamp/seal	



**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD OFFICE OF
CHIEF ENGINEER (RENEWABLE ENERGY)**

**Annexure: AB - SUPPLY REPORT OF THE IEM METER AT SUBSTATION
(To be submitted on supply to office of the SE (O&M))**

1. **Name of MSEDCL Zone / Utility:**
2. **Name of MSEDCL Circle/ Division/Subdivision:**
3. **Name of Sub-Station & Address:**
4. **Name of Sub-Station In-charge & Contact No:**

Sr. No	Item Description	Unit	Quantity received at Substation	Item identification No./ Serial No	Remark
1	3P4W Interface Energy Meters 0.2 Class.	Nos.			
2	Network Switch (Industrial Grade) -8 Port , unmanaged	Nos.			
3	Data Concentrator (DCU) / Communication Gateway (IG)	Nos.			
4	Lan cable (average one roll per S/S 300 Meters)	Km			
5	PVC conduit Pipe - 3/4"	Km			
6	Cable 3 Core 2.5 Sq. mm M/S Copper, unarmored	Km			
7	Panels for Housing Meters	Nos.			
Spare Hardware					
1	Industrial Grade Network Switch -8 Port , unmanaged	Nos.			
2	Data Concentrator (DCU) / Communication Gateway (IG)	Nos.			

Note: In Remark mention if any damage observed in material received.

It is to certify that M/s..... has supplied above detailed material as per P.O. & in good condition.

Place:		Date:	
Signature:		Signature:	
Vendor Engineer / Representative Name with stamp/seal		MSEDCL/Utility Engineer / Representative Name & Designation with stamp/seal	

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD OFFICE OF CHIEF ENGINEER (RENEWABLE ENERGY)

Annexure: AC- INSTALLATION & COMMISSIONING REPORT OF THE IEM METER (To be submitted to SE TQA on commissioning of IEM)

1. Name of MSEDCL Zone / Utility:
2. Name of MSEDCL Circle/ Division/ Subdivision:
3. Name of Sub-Station & Address:
4. Name of Sub-Station In-charge & Contact No:
5. Date and Time of removal of old meter:
6. MRI data of Old Meter before removal:
7. Date and Time of installation of new IEM meter:

New meter number with testing report in following format:

Transformer / Line/feeder name:		
Particulars	New Meter	Old Meter
Make		
Type		
Serial No.		
CTR		
PTR		
MF		
Initial reading (Imp)		N.A.
Initial reading (Exp)		N.A.
Final reading (Imp)	N.A.	
Final reading (Exp)	N.A.	

Note: N.A. – Not Applicable

10. Status of “Date and time (GPS)” synchronization of new IEM meter installed.
11. Assessment of meter data for the period between removal of old meter and installation of new meter.

This is to certify that M/s _____ has supplied, installed, and commissioned the above detailed meter satisfactorily.

Place:		Date:	
Signature:		Signature:	
Vendor Engineer / Representative Name with stamp/seal		MSEDCL/Utility Engineer / Representative Name & Designation with stamp/seal	

ANNEXURE-AD

List of PSS where meters to be replace					
Sr. No	Name of Substation	Feeder/TF Name	Name of Zone to which PSS is attached	Name of Circle to which PSS is attached	Source
1	Kaledhone 132kV	Lengare	Baramati	Satara	wind
2	Supa 132kV	33 kV Bhoire Pathar	Jalgaon	Ahmednagar	wind
3	Khaprare 132kV	33 kV Pandhurli	Nasik	Nasik Urban	wind
4	Gangapur 220kV	33 kV Ranala	Jalgaon	Nandurbar	wind
5	Shedyal 220kV	33KV Darikonur	Kolhapur	Sangli	wind
6	Shirala 132kV	33 kV SHIRSHI	Kolhapur	Sangli	wind
7	Bhambarwadi 132kV	33 kV Undale	Kolhapur	Satara	wind
8	Savlaj 110 kV	33/11 KV Kundlapur (New)	Kolhapur	Sangli	wind
9	Savlaj 110 kV	33 kV Savlaj	Kolhapur	Sangli	wind
10	Katol 132kV	11kV Sepset	Nagpur	Nagpur-R	solar
11	Katol 132kV	11kV Citra	Nagpur	Nagpur-R	solar
12	Rohatwadi 33kV	Rohatwadi Feeder	Baramati	Beed	solar
13	Panchincholi 33kV	Sharda Feeder	Baramati	Beed	solar
14	Mulawa 33kV	Generation Feeder	Amaravati	Yavatmal	wind
15	Sanmadi 33kV	Generation Feeder	Kolhapur	Sangli	wind
16	Jamsande 33kV	33 kV Jamsande	Ratnagiri	Sindhudurg	wind
17	Dafalapur 33kV	Wind Feeder	Kolhapur	Sangli	wind
18	Medha 33kV	Feeder 1	Baramati	Satara	wind
19	Dhanora 33kV	33 KV FEEDER	Chandrapur	Gadchiroli	solar
20	Kuslamb	Feeder 1	Latur	Beed	wind

	33kV				
21	Jaitane 33kV	33KV Jaitane Tap	Jalgaon	Dhule	wind
22	Savargaon Gorhe 33kV	Feeder-1	Latur	Osmanabad	wind
23	Shembal Pimpri 33kV	Wind Feeder	Amaravati	Yavatmal	wind
24	Wadala 33kV	33/11 KV Wadala	Baramati	Solapur	solar
25	Pokhari 33kV	Wind Feeder	Baramati	Beed	wind
26	Koregaon 33kV	Feeder 2	Baramati	Satara	wind
27	Koregaon 33kV	Feeder 1	Baramati	Satara	wind
28	Jamkhed 33kV	Feeder 1	Ratnagiri	Sindhudurg	wind
29	Chandrapur 33kV	Solar Feeder	Chandrapur	Chandrapur	solar
30	Dhebewadi 33kV	Dhebewadi 33kV	Baramati	Satara	wind
31	Panumbre 33kV	33 kV Panumbre	Kolhapur	Sangli	wind
32	Savargaon 33kV	Savargaon Solar Feeder	Baramati	Solapur	solar
33	Savargaon 33kV	Savargaon Solar Feeder	Baramati	Solapur	solar
34	Patoda 33kV	Patoda Feeder	Latur	Beed	wind
35	Dhoralda 33kV	1	Latur	Osmanabad	solar
36	Malumbra 33kV	TS Wind Feeder	Latur	Osmanabad	solar