

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.**  
CIN No. U4010MH2005SGC153646

**Office of the Executive Engineer, EHV (O&M) Division 132KV Substation Campus  
Jintur Road, Ganpati Chowk, Parbhani.  
Email ID:- [ee2120@mahatransco.in](mailto:ee2120@mahatransco.in)**

No. EE/EHV (O&M)/PBN/TS/No.

No 20423

Dt. 13 MAR 2025

**Third Call E-Enquiry Notice**

**Subject:** Work of supply, installation, testing and commissioning of microprocessor based MFM meters at various substations under EHV O&M Division, Parbhani.

**Dear Sir / Madams**

Sealed & Super scribed firm quotations are hereby invited, by undersigned, for the Work of supply, installation, testing and commissioning of microprocessor based MFM meters at various substations under EHV O&M Division, Parbhani, for the period of **Dt. 13.03.2025 to 20.03.2025 @18:00 Hrs.**

The Other Terms & Conditions are as follows:


1. Scope of work: Work of supply, installation, testing and commissioning of microprocessor based MFM meters at various substations under EHV O&M Division, Parbhani Amount of work order will be limited to **Rs. 8.57 Lakhs**. AMC will be valid for period of one year from date of work order or exhaustion of order amount whichever is later.
2. Quotations should be duly filled in all respect & sealed envelope to be submitted to this office, within due date.
3. Rate shall be quoted, in Schedule-A. The rate quoted shall be valid for 120 days from the date of opening the quotations.
4. GST, Duties, Taxes, Cess, Royalties etc. will be recovered from bill, as applicable.
5. Enclose duly attested & signed copies of following valid documents, along with quotations:
  - A. Proof of Registration of firm under Bombay Shop & Establishment Act / SSI Certificate / Certificate under Company's Act.
  - B. Proof of Valid Electrical Contractor License
  - C. Proof of GST Registration
  - D. Valid Workman Compensation Policy
  - E. Undertaking for Submission of Labors Contract License if work is allotted and more than prescribed number of employees are employed by agency
  - F. Income Tax Returns for last years with PAN Card Copy
  - G. Proof of payment of EMD of **Rs 8,600.00/-** (EMD of successful bidders will be refunded after processing the order.)
  - H. Experience certificate from the officer not below the rank of Executive Engineer for having successfully executed the Work of supply, installation, testing and commissioning of microprocessor based MFM meters at various substations during last 7 years
  - I. Duly signed Schedule - A with declaration from contractor.
6. The envelope containing quotation should be properly sealed & subscribed Quotation for:

“AMC of repair & maintenance of Computers & peripherals at Division Office, EHV substations & subdivisions under EHV (O&M) Division, Parbhani.”

7. No extra charges will be paid except for Schedule A for any other things such as Vehicle, driver, fuel, T&P, washing material, accommodation etc.
8. If any bidder fails to accept the order after opening of bids, the EMD of such bidder will be forfeited. Decision of undersigned in this regard will be final & same will be binding upon you.
9. Payment will be effected as per standard MSETCL T&C, subject to availability of funds.
10. No conditional quotations or quotations in part are allowed.
11. Jurisdiction of work will be within Parbhani & Hingoli District under supervision of concerned field office.
12. Agency will have to submit duly signed copy of Undertaking – 1 to 3.
13. Undersigned reserves the right to place work order either partly or full or to reject any or all the quotations without assigning any reasons whatsoever. In normal course, the interpretation of the undersigned on any matter or decision given by him on any disputable points will be final and binding on you.
14. In the event of any disputes regarding the work order for this work, the decision of the undersigned shall be final & binding upon the contractor.
15. Notwithstanding anything stated here, the terms and conditions stipulated in the Booklet of Board's General Terms & Conditions of Contract will also form a part of the contract and will be binding on you wherever it is not specifically mentioned.

Thanking You,

Yours Faithfully,

  
**Executive Engineer**  
**EHV (O&M) Division, MSETCL**  
**Parbhani.**

**Copy:** Notice board, MSETCL EHV(O&M) Division Parbhani.



**ANNEXURE-A**

**Technical Specifications for 0.2S class Digital Multifunction Energy Meters:**

<b><u>SPECIFICATIONS</u></b>	<b><u>PARTICULAR</u></b>	<b><u>SPECIFICATIONS</u></b>
	MFM Manufacturer details	Bidder is OEM/Authorized Dealer
		Manufacturer Name and address (OEM Factory address should be mentioned if quoted by dealer)
		MFM Model number
VAF	Meter type	On-site User Selectable HT3/HT4/LT4
	PT Secondary (Configurable on site)	100 to 415 V L-L (57.7 to 240V L-N) (Configurable on site)
	PT Primary (Configurable on site)	Programmable on site upto 765kV LL (Configurable on site)
	Measuring voltage range	Upto 120% of rated value
	Impulse withstand capacity	6 KV
	Voltage Input VA Burden	< 0.2 VA approx. per phase
	CT Secondary (Configurable on site)	Programmable on site from 1A to 5A in step of 1
	CT Primary (Configurable on site)	Programmable on site upto 10000 A
	Measuring current range	10mA...6A
	Max continuous input current	150% of Basic current
	Current Overload Withstand	20x I <sub>max</sub> for 0.5 sec at rated frequency
	Current Input VA Burden	< 0.25 VA approx. per phase
	Frequency	50 Hz ± 5%
	Sampling Frequency	4 kHz per phase or better
	Insulation Class	Protective Class II
Communication	RS485 MODBUS Communication	RS485 Port with Modbus communication
Auxiliary	Power Supply Range	85-300 V AC/DC

Supply	VA Burden	< 6.5 VA approx. (without any module)
	Frequency	50 Hz $\pm$ 5%
Accuracy	Energy (Active)	0.2S as per IS:14697
	Energy (Re-active)	0.5S as per IS:14697
Environmental	Temperature range	-10 <sup>0</sup> C to +60 <sup>0</sup> C (operating) -25 <sup>0</sup> C to +70 <sup>0</sup> C (Storage)
	Relative humidity	95% (non condensing)
Display	Display Type	Large four line seven segment seven digit display with Green backlight (9.7 H x 5W mm) or Color TFT display
	Display resolution	2 to 4
	No. of simultaneous display parameters	3 to 4
Mechanical Properties	Weight (g)	500 gms. approx.
	Device dimensions in mm (H x W x D)	96 x 96 mm
	Protection class	Front: IP54, Rear: IP20
	Mounting of Instrument	Panel/Flush Mounting
	Connecting cable size	2.5 mm <sup>2</sup>
Type Test	The quoted MFM model should be type tested as per IS 14697 within past 5 years from NABL accredited lab, type test report should be submitted.	Type type report as per IS 14697 within past 5 years from third party NABL accredited lab should be submitted.
		Type Test report number and date
Standards Compliance	Standards to be complied	IS:14697, IEC61326-1 (EMI-EMC), IEC6100-1 & IEC6100-2 (Safety)
Warranty	Warranty support required	MFM shall be warranted for 120 months from the date of supply.
Additional & Essential Features requirements	Display units for Energy & Power	Configurable display units (Kilo/Mega/Giga) for Energy & Power shall be available
	Calibration LED	Calibration LED shall be onsite configurable for Import/Export. Separate LED for events/alarms shall be available.



Expansion capability via add-on hot pluggable Ethernet module	Expansion capability via add-on hot pluggable Ethernet module
Expansion capability via add on hot pluggable module for pulse input/output, and analogue output.	Expansion capability via add on hot pluggable module for pulse input/output, and analogue output.
Load survey data	Load survey for 40 days for 6 parameters @ 30 minutes integration period shall be available in MFM
Maximum Demand support with Demand Integration period of 15/30/60 minutes	Maximum Demand support with Demand Integration period of 5/15/30/60 minutes
Password protection for setup mode	Password protection facility shall be available.
Midnight snapshot (values) for selected energy registers	Midnight snapshot (values) for selected energy registers shall be available
Average THD measurement for voltage, current and power, up to 31st harmonic	Average THD measurement for voltage & current up to 31st harmonic shall be available
Special Display parameters	Display parameters shall be grouped in to a number of sequences: Instantaneous, energy, demand, min-max, power quality, settings, favourite pages, event logs and miscellaneous etc. for easy navigation.
	It shall have self-diagnostics feature to display the health condition of the meter.
	TOU energies for 8 diff. rate registers shall be available.
	It shall have High Resolution mode to show desired energy values upto 6 decimals.
	It shall record min-max values for selected instantaneous parameters which shall get auto-resetted as per configuration i.e. Daily/Weekly/Monthly.

**Note:**

**Bidder shall submit supporting documents in respect of above. Non submission of requisite supporting documents shall lead to disqualification.**

**--Agency's letter head--**

**UNDERTAKING -1**

**Validity of offer**

I/ we hereby declare that I am/ We participating in E-Enquiry No..... published by the Executive Engineer, EHV (O&M) Division MSETCL, Parbhani

I/We agree to execute this contract details as per the Terms & Conditions of the enquiry notice which I/We have carefully read and which I/We have thoroughly understood and to which I/we hereby agree.

I/ We hereby declare that I am/ We are the authorized for this E- Enquiry on behalf of the firm.

I/We take sole responsible arising out of any dispute this issue.

I/We hereby agree to keep this offer open & valid for 120 calendar days from the date of opening of the quotation.

Your faithfully

Seal and signature of the Bidder

Date

Address

**--Agency's letter head--**

**UNDERTAKING -2**

'Not debarred/ Blacklisted by any of the Government/Semi- Government/Other public sector Utilities'

I/We hereby declare that I am/ We are participating in Enquiry No .....

Published by The Executive Engineer, EHV (O&M) Division MSETCL, Parbhani.

As on date of submission of this E-Enquiry, I/We hereby that My/ Our firm is not debarred/ blacklisted by any of the Government / Semi- Government/Other public Sector Utilities/ department anywhere.

The above declaration is true to the best of my/ our knowledge and belief.

I/We hereby agree that in case my/ our firm is found debarred/blacklisted by any of the Government/ Semi –Government /Other public Sector Utilities anywhere, my/our offer is liable for rejection at any stage of the tendering process as per tender terms & Conditions.

Further, I/ We hereby understand and agree that in case my/ our firm is found debarred/ blacklisted by any of the Government /Semi- Government/ Public Sector Utilities/ department anywhere, my/ our work / purchase order is liable for termination at any stage of execution process and my/ our firm shall be solely responsible for the consequences arising out of it.

Authorize signatory

Signature & Seal of the Firm

--Agency's letter head--

**UNDERTAKING -3**

**Contact & Correspondence details**

1	The name and full postal address for Correspondence of the Firm/ Company Participating in this E-Enquiry	
2	The name and full postal address for Correspondence/ Proprietor/Partner/ Director of the Firm / Company	
3	Name and Contact Number of the Contacts person	

Note – It will be the sole responsible of the bidder to update / renew communication details (correspondence address, e mail, contact Number name change of an individual, firm changes in Memorandum/ Article of Association ext.) The Company accepts No responsibility in case of any delay/ loss thereof because of non-updating.

Seal and signature of the Bidder

Date

Address



**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED**

**EHV(O&M) DIVISION, PARBHANI.**

**Work of supply, installation, testing and commissioning of microprocessor based MFM meters at various substations under EHV O&M Division, Parbhani**

Str. No	Item Description	UOM	Qty	Ex Works	GST @ 18% in Rs	Unit Rate including all taxes	Amount	Remark
<b>Supply Portion</b>								
1	Supply of Microprocessor based MFM Meters along with its necessary Device & Software, as per required Technical Specifications	No.	1					
<b>Service Portion</b>								
1	Installation, Testing and Commissioning of Microprocessor based MFM Meters with Supporting Software on Computers.	No.	1				-	

**If Any Taxes:**

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

  
**Executive Engineer**  
**EHV O&M Division**