

BID NOTICE

Maharashtra State Electricity Distribution Company Limited

Tender No: **CGM-IT/SMS/T02/25-26/004**

Version V1.0

Date: 10-09-2025

The Chief General Manager (IT), on behalf of Maharashtra State Electricity Distribution Company Limited (the Employer), hereby invites online bids from the eligible bidders for “**Tender for Implementation of Substation Monitoring System**”. The entire bidding document is available on MSEDCL’s e-Tender portal (<https://etender.mahadiscom.in>) as per the dates indicated below. Any changes in the Bid Schedule, corrigendum etc. shall also be notified via MSEDCL’s e-Tender portal. Prospective bidders are therefore requested to regularly check the MSEDCL’s e-Tender port for any updates.

Bid Security (EMD): The bid must be accompanied by Bid Security for an amount equal to **Rs. 248,17,280.00 (Rupees Two Crore Forty-Eight Lakh Seventeen Thousand Two Hundred and Eighty Only)** for covering the entire scope of work. The bid security shall be denominated in Indian Rupees only. The bid security can be paid online or in the form of an Unconditional Bank Guarantee from any Nationalized / Scheduled Bank in favor of the Maharashtra State Electricity Distribution Co. Ltd., payable at Mumbai as mentioned in detail in the Tender Document (RFP). The BG EMD (original copy) should be submitted to this office on or before the Bid end date.

Calendar of Events	Date and Time
Commencement of downloading of this RFP and e-bidding	10.09.2025
Date and time of Pre-BID Meeting through Video conferencing.	17.09.2025 @ 3 pm
Last date for submission of Bids	30.09.2025 @ 5 pm
Bid Opening Technical Bid	30.09.2025 @ 5.30 pm

Pre-bid meetings will be done through Video Conferencing only.

Google Meet URL: <https://meet.google.com/biz-chyn-pfb>

Brief scope of work

MSEDCL envisages for implementation of substation monitoring system across 4262 substations including solar generation monitoring at approximately 2733 solarised feeders under MSKVY 2.0 scheme, over the span of 1 year of implementation period and 2 years of comprehensive support services to meet SLA timeline and availability of data.

Accordingly, implementation of SMS is currently under Progress for 3563 substations. Out of the 3563 substations balance 1686 no’s of substations plus 803 Substations not covered in earlier tender plus 116 Newly commissioned substations, that is the scope of **2,605 substations** is considered for implementation under this tender.

The implementation shall be carried out over a period of **1 year**, followed by **2 years of comprehensive support services** to ensure compliance with SLA timelines and continuous availability of data.

Key scope of work is as follows:

- 1) Survey and freezing of quantity: Bidder to survey all substations to finalise the bill of material required for project. Further, bidder should also provide the detail survey regarding WTI and OTI.
- 2) Design, engineering, supply, integration, installation, testing and commissioning and Go-Live of substation monitoring system within implementation period of 1 year.
 - Monitoring of electrical parameters, health parameters at Feeder, power transformer, Circuit breaker, DC auxiliary battery, Capacitor bank, station transformer
 - Monitoring of energy flow at HV and LV side of each power transformer through Net Meter.
 - Integration of ABT meter (installed by solar developer at substation) with central server and LDMS for monitoring of solar generation. If the ABT meter is not compatible for integration, the bidder

may use an MFM as an alternative. Monitoring of RMS data of each solar-plant commissioned by solar developers under MSKVY 2.0. (as per MNRE Guidelines) at central server.

- Development and roll out of automated Demand management System (ADMS): Data Acquisition, control and data processing.
- 3) Supply, installation and commissioning of Local Data monitoring system (LDMS) through Desktop at each substation.
 - 4) Bidder has to integrate its web based software for substation monitoring with central dashboard deployed at existing Command and Control center of MSEDCL.
 - 5) The bidder should provide its own cloud infrastructure which should be scalable up to 3500 no's of substations and should integrate with existing cloud of SMS project.
 - 6) Operations and maintenance support of the system for the period of 2 years post implementation.
 - 7) Training and capacity building
 - 8) Complaints and ticket management system.
 - 9) Proof of Concept: to validate the proposed SMS solution's technical feasibility, integration capability and compliance with DISCOMS requirement, the contractor shall execute a proof of concept (POC), prior to full-scale development. The contractor shall implement the SMS solution for minimum 10 nos of substations as per the list provided by MSEDCL and integrate their data with existing CCC. The POC shall be completed within 60 days after issue of LoA.

Qualifying Requirements:

Existing agency (Consortium) executing the substation monitoring work in MSEDCL will not be allowed to participate in this tender

Sr.no	Type	Description	Documents Required
1	Definition of Bidder	<p>The bidder can be an individual entity or consortium of a maximum of three (3) entities registered in India under the Companies Act 1956 or Companies Act 2013, or a firm registered with the registrar of firms or Proprietorship registered in India who fulfils the eligibility criteria.</p> <p>In the case of a consortium, one of the consortium members responsible for performing key components of the contract shall be designated as Lead Bidder. One of the Consortium Partners shall be OEM of Critical components such as RTU or similar equipment/ SCADA Software/ CSP/MSP of Cloud services.</p> <p>Evidence of this authorization shall be provided by submitting a power of attorney signed by legally authorized signatories of all consortium members along with the bid.</p>	<p>Certificate of Incorporation issued by Registrar of Companies or Article of Association, Or memorandum of Association or Certificate issued by Registrar of Firms or equivalent.</p> <p>In the case of a consortium, a Consortium Agreement shall be submitted mentioning the role and responsibilities of each member of the consortium.</p>

Sr.no	Type	Description	Documents Required
2	Project Experience	<p>Experience in Implementation:</p> <p>1) The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date.</p> <p>and</p> <p>2) The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only.</p> <p>Note:</p> <p>Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.</p>	<ul style="list-style-type: none"> • Purchase Order (PO)/ Work Order (WO)/ Letter of Award (LOA) / Contract Agreement AND • Work completion certificate on letterhead of clients indicating client name, the scope of work, Project start date and date of completion/date of go-live, cost of the project/ LoA price etc. In the case of a consortium, this QR is to be met collectively.
3	Financial Strength : Annual Turnover	<p>The bidder should have a minimum average annual financial turnover of Rs. 124 Crores during the last Three financial years ending 31st March of the previous financial year. In case of a consortium,</p> <p>The Lead Consortium Member/ Lead Bidder should have a minimum average annual financial turnover of Rs. 62 Crs during the last Three financial years.</p> <p>While the other Consortium Member(s) individually shall meet not less than Rs. 24 Crs of the minimum financial requirement criteria.</p>	<p>Copy of Annual Audited Financial Statements, Balance sheet and profit and loss statement, certified by a Chartered Accountant for the preceding Three years [FY2021-22, FY2022-23 , FY2023-24]</p> <p>Note: Audited financial statement should match with certificate of chartered accountant</p> <p>In the event, Bidder is a Consortium; this financial requirement shall be met individually by all the Members of the Bidding Consortium.</p>
4.	Financial Strength: Net worth	<p>The Bidder shall have a positive net worth for each of the last three audited financial years. [FY2021-22, FY2022-23, FY2023-24] [Net Worth means the sum total of the paid-up capital and free reserves (excluding reserves created out of revaluation) reduced by the aggregate value of accumulated losses (including debit balance in profit and loss account for the current year) and intangible assets.]</p>	<p>Net worth Certificate duly certified by Chartered Accountant.</p>
5	Quality Certification	<p>i. Should have valid ISO 9001: 2015 certification.</p> <p>ii. Should have IEC/ ISO 27001 certification.</p>	<p>Copy of valid Certificate as of the date of bid submission.</p> <p>In the case of a consortium, this requirement is to be met collectively.</p>
6	CMMI Certification	<p>Should have CMMI Level 3 or above Certification</p>	<p>Copy of valid Certificate as of the date of bid submission.</p> <p>In the case of a consortium, this requirement is to be met collectively.</p>
7	PAN & GST Registration	<p>The Bidder (individual/ all members of the consortium) shall have a valid PAN and GSTIN Number if applicable.</p>	<p>Copy of relevant certificates indicating PAN number, GST registration number (GSTIN). Sole Bidder / all consortium members shall submit relevant documents.</p>

Sr.no	Type	Description	Documents Required
8	Undertaking for non-blacklisting	The bidder must Not be under a declaration of ineligibility / banned/blacklisted by any State or Central Government / any other Government institutions in India for any reason as on last date of submission of the Bid or convicted of economic offence in India for any reason as on last date of submission of the Bid. Bidder should comply with all conditions mentioned in MSEDCL POLICY & PROCEDURE FOR DEBARRING OF bidder .	<ul style="list-style-type: none"> Undertaking signed by its Authorized Signatories that bidder (individual/ all members of the consortium) is not blacklisted. In the case of a consortium, each member should submit a separate undertaking. Also, undertaking to have read and comply with MSEDCL POLICY & PROCEDURE FOR DEBARRING OF bidder.

Chief General Manager (IT),
 MAHAVITARAN, Prakashgad, 4th Floor
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 Mumbai 400 051
 Email – substation2@mahadiscom.in

[Pre-Bid Query Format](#)

Tender Name: “Tender for Implementation of Substation Monitoring System”

Tender No.: CGM-IT/SMS/T02/25-26/004 Ver 1.0

Name of the Company:

Name of Key Person:

Key Person Contact details: **Mobile:** **Email:**

Tender Purchased: YES/NO:

RFP Section & Clause

Sr.no	Subject	RFP Section /Clause No.	RFP Clause	Query & Justification

Note:

1. The Pre-Bid Queries must be sent 24 hours before the start of the Pre-Bid meeting in the above-prescribed format only.
2. Pre-bid queries should be sent to **substation2@mahadiscom.in** only. Other modes of communication shall not be accepted.
3. **A copy of queries (as per the above format) should also be submitted in Microsoft Excel (*.xlsx) format.**
4. MSEDCL is not bound to reply to all queries.
5. Replies to Pre-Bid Queries shall be published on the MSEDCL e-Tender website.