

BID NOTICE



Maharashtra State Electricity Distribution Company Limited
Tender No: CGM (IT)/ Load Forecasting/2022/
Ver. : 1.0
Date: 29.07.22

Chief General Manager (IT), on behalf of Maharashtra State Electricity Distribution Company Limited (the Employer), hereby invites online bids from eligible bidders for the **“Tender for Implementation of Business Analytics and Demand Forecasting Solution”**. The entire bidding document is available on MSEDCL e-Tendering Website <http://etender.mahadiscom.in> as per the date indicated below. Any changes in the Bid Schedule, corrigendum, etc. shall also be notified via MSEDCL's e-Tendering portal. Prospective bidders are therefore requested to regularly check the e-Tender portal websites for any updates.

TENDER ESTIMATE: Rs. 47,34,00,000/-

TENDER FEE: Rs. 29500/- (incl. 18% GST) via ONLINE PAYMENT ONLY (Non-Refundable).

BID SECURITY (EMD): The bid must be accompanied by Bid Security for an amount equal to Indian **Rs. 47,34,000/-** (Forty-Seven lakh Thirty-Four thousand 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 through an Unconditional Bank Guarantee or Demand Draft from any Nationalized/Scheduled Bank in favour of the Maharashtra State Electricity Distribution Co. Ltd., payable at Mumbai as mentioned in Tender Document (RFP).

The BG should be submitted to this office on or before the submission date and time.

Calendar of Events Event	Date and Time
Begin Sale of RFP	29.07.2022
Date and Time of Pre-Bid Meeting (Online)	11.08.2022 at 15.00 Hrs.
Date and Time for Submission of Bids	29.08.2022 at 17.00 Hrs.
Date and Time of Bid Opening	29.08.2022 at 18.00 Hrs.

VC link for Pre-Bid Meeting: <https://meet.google.com/jqs-ayge-zxi>

BRIEF SCOPE:

1. Design, Implementation, commissioning of Business Analytics and Demand forecasting, Power Optimization Solution
2. Integration of proposed solution with MSEDCL existing system, SCADA & proposed Substation Monitoring Scheme (SMS) of MSEDCL, Existing AMR & SCADA of MSETCL, Scheduling software of MSLDC/WRLDC.
3. Fetching all necessary data from external sources required as input for forecasting, Optimization and analysis purposes
4. Debriefing with Analytics including optimization with AI and ML and documenting causes, effect, pattern

and results using incident-specific data based on time, date and location.

5. Designing Live Dashboard for Business Analytics and Current Status of Incidents
6. Providing Cloud Services for the deployment of proposed solution.
7. Provide Facility Management Service (FMS) for Application Maintenance for five years.

ELIGIBILITY CRITERIA:

A. Bidder:

1. The bidder should be an individual organization registered in India under companies Act 1956 or Companies Act 2013, or Firm registered with Registrar of firms in India who fulfils the eligibility criteria.
2. The Bidder (individual/ all members of consortium) shall have a valid PAN and GSTIN Number.
3. The bidder must have minimum average annual turnover of Rs.100 Crores of last three audited Financial Years (2019-20, 2020-21, 2021-22).
4. The Bidder should have positive net worth for last three audited financial years (2019-20, 2020-21, 2021-22).
5. Bidder shall have experience of implementation of Load Forecasting solution using artificial intelligence and machine learning technology during the last 7 years since date of publishing of this tender as below :
 - i. Experience in single project costing not less than the amount equal to Rs. 32 Crores (without taxes) OR
 - ii. Experience in two projects each costing not less than the amount equal to Rs. 20 Crores (without taxes) OR
 - iii. Experience in three projects each costing not less than the amount equal to Rs.16 Crores (without taxes)Note :
 - a. For above experience, completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered.
 - b. If the project mentioned in the experience is executed by JV/Consortium, where bidder is one of the JV partner/consortium member, the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this, bidder has to submit a copy of agreement or client certificate.
 - c. Projects done for in-house use of parent company, associate companies (with common stakeholders) would not be considered. However, projects done for external customer(s) by parent company or fully owned subsidiaries would be considered.
 - d. At least one of the project in above experience, shall be for implementation of proposed OEM solution.
6. The CSP (Cloud Service Provider) should be a MeitY empaneled CSP and STQC Audit Complaint.**
7. The bidder must have at least 500 employees on its payroll at the time of Bidding performing software design, development, implementation, integration, testing, maintenance and support activities.
8. Bidder/Lead Bidder should have ISO 9001:2008/2015 or its higher version certification.
9. Bidder/Lead Bidder shall have minimum CMMI Level 3 certification.
10. The Bidder should not have been blacklisted by any Private/ PSU/Central Govt/State Govt. or any other Organization or agencies in India at the time of submission of the bid.

B. OEM of Demand Forecasting and Analytics Solution

1. The OEM for Demand Forecasting and Analytics solution should be in Leaders or challengers in Gartner's Magic Quadrant for Data Science and Machine Learning as per latest report.
2. The proposed Demand Forecasting & Analytics Solution should be Commercial off the Shelf (COTS) product, which is configurable/customizable with the requirements of the department to reduce implementation efforts, time and cost. The same should be, successfully deployed and should be operational in more than 5 Power Utilities globally, out of which at least 2 power utilities should be in India, in past 5 years.

3. The entire Demand Forecasting and analytics solution, comprising of Data Preparation, Visualization, Forecasting, Machine Learning, Optimization, Streaming Analytics modules should be from a single OEM.
4. The proposed solution should be cloud vendor agnostic and could be deployed on any MeitY-approved cloud in future.
5. OEM Must not be blacklisted by any Government/PSU body in India in the last 5 years
6. The OEM/OEM products shall not be banned by the Government of India as on date of bid submission.

Important Note:

If Bidder has not participated in any tender of MSEDCL in the past, then it should go through 'Vendor Registration manual' for **WORKS** Tenders available on e-Tender portal and create the '**Contractor' Account** for participating in Works tender at [e-Tender portal](#) which can be created at **no cost**. Vendor manuals for Registration & Bid Submission can be found at MSEDCL's eTender Portal ([Download Section](#)). Bidder will be solely responsible for any mistake in account creation/wrong category. After creation of account, kindly go through 'Bid Submission manual' for Works Tender to understand the procedure of uploading Bids on e-Tender portal. Please note that Bidder has to purchase the tender (by paying Bid Fee) before submitting their Bid.

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Pre-Bid Query Format

Tender for Implementation of Business Analytics and Demand Forecasting Solution

Tender No.: CGM (IT)/ Load Forecasting/2022

Name of the Company:

Name of Key Person:

Key Person Contact details: Mobile: Email:

Tender Purchased: YES/NO

RFP Section & Clause

Sr. no.	RFP Section & Clause	Page no.	Subject	Query

Note:

1. Any modifications to the Bidding document which may become necessary as a result of pre-bid conference/pre-bid queries shall be made by MSEDCL exclusively by issuing Addendum and not through the clarifications of the pre-bid conference.
2. It is to be noted that Pre-Bid Queries must be sent within **one day** after the Pre-Bid meeting in the *above-prescribed format only*. Any query sent afterwards shall not be entertained.
3. Pre-Bid queries should be sent to loadforecasting@mahadiscom.in only. Other modes of communications shall not be accepted.
4. MSEDCL is not bound to reply to all the queries.
5. Replies of Pre-Bid Queries shall be published on MSEDCL e-Tender website.