

BID NOTICE



Maharashtra State Electricity Distribution Company Limited

Tender No: MSEDCL/IT/ECCC/2019-20/1

Version 1.0

Date : 04.10.2019

The General Manager (IT), on behalf of Maharashtra State Electricity Distribution Company Limited (the Employer), hereby invites online bids from eligible bidders for Tender for **Implementation of Energy Command and Control Center (ECCC)**. Entire bidding document is available on MSEDCL e-Tendering Website <https://etender.mahadiscom.in> as per date indicated below. Any changes in the Bid Schedule, corrigendum etc. shall also be notified via MSEDCL's website. Prospective bidders are therefore requested to regularly check the website for any updates.

Tender Fee: Rs. 29,500 /- (incl GST) via ONLINE PAYMENT ONLY (Non-Refundable)

Bid Security: The bid must be accompanied with Bid Security for an amount equal to **Rs 20,55,000 /- (Rupees twenty lakhs fifty five thousand only)** for covering the entire scope of work. The bid security shall be denominated in Indian Rupees only. The bid security shall be in the form of a Demand Draft or an Unconditional Bank Guarantee from any Nationalized / Scheduled Bank in favour of the Maharashtra State Electricity Distribution Co. Ltd., payable at Mumbai as mentioned in details in Tender Document (RFP).

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

Calendar of Events	Date and Time
Begin Sale of RFP Document	19/09/2019
Date and time of Pre-BID Meeting	10/10/2019 at 3 PM
Date and time of submission of Bids	15/10/2019 at 5 PM
Date of Bid Opening	15/10/2019

QUALIFYING REQUIREMENTS:

1. The bidder can be an individual organization or a consortium of maximum three (3) organizations 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. Bidder shall have experience of projects execution in electrical Transmission or sub-transmission & distribution sector in the last 7 years ending last day of the month previous to the month in which bids are invited as below:
 - i. Experience in single completed work costing not less than the amount equal to Rs.100 Cr.
Or
 - ii. Experience in two completed work costing not less than the amount equal to Rs.60 Cr individually.
Or
 - iii. Experience in three completed work costing not less than the amount equal to Rs.40 Cr individually.
3. The bidder / Consortium Partner should have an experience in implementing Network Analysis based on GIS the power Distribution / Transmission utility in at least in one project.
4. The bidder / Consortium Partner should have an experience in implemented/deployed MDMS (Meter Data Management System) for more than 100,000 nos. of Smart Meters in Indian Utilities in at least one project.
5. The bidder / Consortium Partner should have an experience in implemented/deployed Load Forecasting in at least one Indian distribution utility

6. The bidder / Consortium Partner should have an experience in Application integration in at least one project in the power Distribution / Transmission utility in at least 2 of the following area of integration –
 - SCADA/DMS
 - ERP
 - Billing
 - CRM
7. The bidder / Consortium Partner should have an experience in implemented/deployed Analytics solution in at least one Indian transmission / distribution utility
8. The Bidder's Minimum Average annual turnover for the last three financial years ending 31st March 2019 shall not be less than ₹ 100 Cr. [In case of consortium, Lead Bidder has to satisfy this condition]. Net Worth for the each of the last three Financial Years should be positive.
9. Power Sector Experts (2 nos.)- Degree in Electrical Engineering with minimum 10 years of experience in Power Sector having knowledge of GIS/MDMS/Load Forecasting.
10. ISO 9001:2008 or its higher version certification.
11. The Bidder / Consortium Member shall have CMMI Level 3 (minimum) certification[In case of consortium, one of the member need to satisfy this condition]

BRIEF SCOPE OF WORK:

- i. The selected bidder / Implementation Service Provider (ISP) will design the solution for the Energy Command and Control Centre (ECCC), implement the same in a time bound manner and evaluate the outcome of the Project. ISP will also provide the facility management/Support for 5 years of entire system.
- ii. The ECCC will aggregate various data feeds from systems & sensors and further process information out of these data feeds to provide interface /dashboards for generating alert and notifications in real time.
- iii. The ECCC would also equip MSEDCL to respond quickly and effectively to emergency or disaster situation in distribution network through Standard Operating Procedures (SOPs) and step-bystep instructions. The ECCC shall support and strengthen coordination in response to incidents/emergencies/crisis situations.
- iv. Single Dashboard for MSEDCL for AMI, SCADA, Substation Monitoring System, SLDC system, GIS etc visualized real time on geographical map of distribution network. This dashboard can be accessed via web application as well as mobile app. The various information that may be accessed from the system but not limited to are as below:
 - a. Visual alerts generated by other sub-systems that is part of the overall distribution operations systems e.g. SCADA, AMI etc.
 - b. Information about AMI system performance
 - c. Access information from Substation Monitoring System
 - d. Integration with Load Dispatch Centres
 - e. Demand (Load) forecasting
 - f. Power portfolio management
- v. Take action based on events generated by any Distribution operation systems.
- vi. The system shall provide reporting & audit trail functionalities to track all the information and monitor operator interactions with the system and to impart necessary training to the users.

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