MAHAVITARAN
Maharashtra State Electricity Distribution Co. Ltd.
(A Govt. of Maharashtra Undertaking)
CIN: U40109MH2005SGC153645

Office of Chief Engineer (Planning)
Maharashtra State Electricity Distribution Co Ltd
5th floor, Prakashgad, Bandra (E),
Mumbai 400 051 website: www.mahadiscom.in
Email: ceplanning@mahadiscom.in Phone no. 022 26598585

BID NOTICE

Maharashtra State Electricity Distribution Company Limited
Tender No: CE(Planning)/GIS-Survey/2025/1
Ver: 2.0
Date : 04-01-26

Chief Engineer (Planning), on behalf of Maharashtra State Electricity Distribution Company Limited, hereby invites sealed bids from eligible bidders for "**GIS Survey, Mapping & Data Preparation of MSEDCL's Distribution Network**". Entire bidding document is available on MSEDCL e-Tendering Website http://etender.mahadiscom.in as per date indicated below. Any changes in the Bid Schedule, corrigendum etc. shall also be notified via MSEDCL's website & E-Tendering site only. Prospective bidders are therefore requested to regularly check the websites for any updates.

TENDER ESTIMATE: Rs. 24.85 Crores /- (Excl. GST)

TENDER FEE: **Rs. 29,500/-** (incl. 18% GST) via ONLINE PAYMENT ONLY (Non-Refundable).

BID SECURITY (EMD): The bid must be accompanied with Bid Security for an amount equal to Indian **Rs. 24,85,825/- (Rs. Twenty-Four Lakhs Eighty-Five Thousand Eight Hundred and Twenty-Five 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 from any Nationalized/Scheduled Bank in favour of the Maharashtra State Electricity Distribution Co. Ltd., payable at Mumbai as mentioned in detail in Tender Document (RFP).
The BG should be submitted to this office on or before submission date and time.

Calendar of Events Event	Date and Time
Begin Sale of RFP	16-12-2025
Date and Time of Pre-Bid Meeting (Online)	***23-12-2025 @ 15.00 Hrs. (concluded)***
Date and Time for Submission of Bids	12-01-2026 @ 15.00 Hrs.
Date and Time of Bid Opening	12-01-2026 @ 17.00 Hrs.

Pre-Bid VC link: https://meet.google.com/kib-wiid-cqz (concluded)

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Pre-Qualifying Requirements:

1. Bidder may be an individual organization or a consortium of maximum 2 organizations registered in India.
2. Bidder must have a valid PAN and GSTIN.
3. Bidder must have a minimum average annual turnover of ₹ 5 Crores during the last three audited financial years. Financial criteria will be relaxed suitably for the Agencies/Consortium who have entered in PoC with MSEDCL for GIS Survey in the past and have successfully completed the PoC to the satisfaction of MSEDCL.
4. Bidder (or Lead Bidder in case of a consortium) must have a positive net worth for the last three audited financial years (2022-23, 2023-24, 2024-25).
5. Bidder must have experience in the implementation of GIS Survey during **the last 5 years** from the date of issue of this tender, as per the following criteria:
   - One project with a value not less than ₹13.6 Crores OR
   - Two projects, each with a value not less than ₹8.5 Crores OR
   - Three projects, each with a value of not less than ₹ 6.8 Crores

   This clause is not applicable for entities or firms who have entered in PoC with MSEDCL for GIS Survey in the past and have successfully completed the PoC to the satisfaction of MSEDCL.
6. Bidder must have successfully completed at least one GIS/Asset Survey project for any electrical licensee being presently operated across India. Bidder must have executed GIS mapping project using Mobile App / drone/ LiDAR/AIML or HHU for electrical utility survey project of comparable scale approximately 5 lakhs Assets or 5000 Ckt KMs from 33KV to LT Pole during last three years or successfully completed the PoC to the satisfaction of MSEDCL in the past.
7. Manpower: The Bidder must have at least 20 employees on its payroll at the time of bid submission, engaged in activities related to software design, development, implementation, integration, testing, maintenance, and support. The bidder must have at least one professional with 10+ years of experience working in electrical distribution networks in India.
8. Bidder should not have been blacklisted by any entity, PSU, Central Government, State Government, or any other organization/agency in India
9. The cumulative financial value of all current litigations/ legal proceedings must be less than 50% of the bidder's net worth.

For More Information, please refer to Tender Documents.

Scope of Work (refer to RFP for details of "Scope of Work"):

i. End-to-End Network Survey & Mapping

a) Survey and mapping all the electric networks so as to complete 100% digitization of MSEDCL's entire electrical distribution network including overhead and underground—from 33kV substations to every consumer service point.

b) Capture true electrical topology for all feeders, including accurate conductor & Cable (overhead & underground) routing from Substations through HT poles, junctions, RMU, DT, LT poles and to till consumer endpoints. Feeder network topology should also include all the related assets which are part of or are connected to the feeder (Please refer data model for all the asset types along with attribute data to be captured), Network topology should also be properly mapped for shared network of multiple feeders or multiple circuits on same pole (share pole) maintain the feeder network connectivity or DT LT side circuit connectivity. End pole, "T" junctions, cut points & network placement like vertical or horizontal along with phases should also be properly mapped.

ii. Advanced Technology-Based Data Capture

a) Use AI/ML, high-resolution satellite imagery, LiDAR, drone surveys, and street-view technologies.
b) No traditional manual survey methods permitted for large-scale data collection.
c) Achieve sub-meter horizontal accuracy across Maharashtra.

iii. Data Attributes & Quality Standards

a) Collect and update all asset attributes as per the approved data model.
b) Ensure 100% geo-coordinates, accurate snapping, topology, and network flow.
c) Complete state wide survey within 6 months from the date of LOA with strict QA/QC procedures.

iv. GIS Data Integration & Compatibility

a) Deliver datasets compatible with CYMDIST, load-flow and fault analysis tools, and network planning applications.
b) Ensure seamless integration with MSEDCL's GIS Portal, ArcGIS/ArcFM, and all relevant enterprise systems.

v. Data Synchronization

a) Perform delta updates by synchronizing newly captured data with existing GIS datasets.
b) If the delta update fails, conduct a full re-survey at no extra cost.

vi. Delta update Support

a) Provide 3 years of technical support, including the provision of mobile apps and a portal for updating new assets/delta updates.
b) Ensure continuous operability and data validation tools for MSEDCL teams.

vii. Experienced professionals

a) The bidder must deploy key professionals with over 10 years of experience in electrical distribution networks in India, along with proven experience in GIS and Network Analysis (NA) implementation.

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OFFICE OF CHIEF ENGINEER (PLANNING),
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