

NOTICE INVITING QUOTATION (NIQ)

MITL/BIA/Electrical/NIQ for PAP Survey/514

Date: 03.09.2026

Subject: Inviting Quotations for Appointment of an Experienced Electrical Consulting Agency for Detailed Walkdown Survey, Planning & Designing, Preparation of AutoCAD Drawings, Bill of Material (BoM), Sector-wise Estimates as per Prevailing PWD (Electrical) CSR and Detailed Project Report (DPR) for Providing Electrical Power Supply to 765 PAP Beneficiaries in Phase-I of Bidkin Industrial Area (BIA).

Maharashtra Industrial Township Limited (MITL) invites sealed quotations from experienced and eligible Electrical Consulting Agencies for carrying out the detailed survey, planning, designing and preparation of drawings, BoM, estimates and DPR for providing electrical power supply to 765 PAP (Project Affected Persons) plots in Phase-I of Bidkin Industrial Area (BIA). The sector wise PAP plots are as below,

Sr No	Sector No	Number of PAP plots covered
1	Sector-2	156
2	Sector-11	180
3	Sector-12	14
4	Sector-13	72
5	Sector-15	222
6	Sector-16	65
7	Sector-17	29
8	Sector-22	27
Total		765

Scope of Work

1. Detailed Field Walkdown Survey:

Conduct a detailed field walkdown survey of the PAP plots and indicate the sector-wise existing HT & LT electrical infrastructure and proposed electrical distribution network based on actual site conditions.

2. Load Assessment and Maximum Demand:

Calculate plot-wise and sector-wise Maximum Demand (MD) in kVA as per standard norms, considering Load Density of 120 W/sq.m of plot area, Load Factor 0.4, Load Diversity Factor 1.5, Power Factor 0.9 and Overall Diversity Factor 1.1, or as otherwise specified by MITL.

3. Location of Electrical Equipment:

Identify and finalize suitable locations for 11 kV RMUs, 11/0.44 kV 315 kVA & 630 kVA Compact Substations (CSS), LT 5-Way & 6-Way Feeder Pillars and LT Mini Feeder Pillars, with their respective G.O. Coordinates, ensuring that:

- The service cable length shall preferably not exceed 30 metres; and
- The loading of each CSS shall be limited to approximately 80% of its rated capacity, considering future operational requirements.

4. Bill of Material (BoM):

Prepare a detailed Bill of Material (BoM) for all materials and equipment required for the proposed electrical distribution infrastructure.

5. AutoCAD Drawings:

Prepare detailed and geo-referenced AutoCAD drawings showing the proposed electrical distribution network from the respective Zonal 33/11 kV Substation, including locations of 315 kVA & 630 kVA CSS, LT distribution network, 11 kV RMUs, LT Feeder Pillars, LT Mini Feeder Pillars, and routes of 11 kV and LT cables up to individual plot connections.

6. Technical Standards and Specifications:

Prepare standard technical specifications for major materials/equipment, including:

- 11/0.44 kV, 315 kVA & 630 kVA CSS, 11 kV, 3C XLPE 300 sq.mm & 240 sq.mm cables, LT 3.5C XLPE 300, 240 & 120 sq.mm cables, Service connection cables suitable for MD ranging from 10 kVA to 150 kVA, 5-Way & 6-Way LT Feeder Pillars with HRC fuse arrangements and LT Mini Feeder Pillars.

7. Installation Drawings:

Prepare detailed drawings suitable for installation of 315 kVA & 630 kVA CSS, 11 kV 4-Way & 5-Way RMUs, LT 5-Way/6-Way Feeder Pillars and LT Mini Feeder Pillars, including required foundation and installation details.

8. Sector-wise Estimates:

Prepare detailed sector-wise estimates for the proposed electrical distribution network based on the prevailing PWD (Electrical) Schedule of Rates (CSR), including quantities and applicable rates.

9. Detailed Project Report (DPR):

Prepare a comprehensive Detailed Project Report (DPR) for the proposed CAPEX work, covering the proposed electrical distribution network, load assessment, technical requirements, equipment/material specifications, BoM, AutoCAD drawings, sector-wise estimates and total estimated project cost.

10. The Consultant shall incorporate all necessary corrections/modifications suggested by MITL during scrutiny of the survey report, drawings, estimates and DPR without any additional consultancy charges.

11 Submission of Report The consultant shall submit the DPR along with all drawings and documents in soft copy and 3 sets of hard copies.

12 Estimated Cost of Work

The estimated cost of tota consultancy work is Rs. 5,55,000/- (Rupees Five Lakh Fifty-Five Thousand only), excluding GST.

13 Quoted Amount.

The bidder shall quote consultancy fee for the complete scope of work as mentioned above.

Quoted Amount (Excluding GST): Rs. _____/-

GST @ _%: Rs. _____/-

Total Quoted Amount (Including GST): Rs. _____/-

14 Time Period of Work

The entire work shall be completed within 60 (Sixty) days from the date of issue of the Work Order.

15 Last Date for Submission of Quotation

The quotation shall clearly indicate the consultancy fee excluding GST, applicable GST separately, and the total amount including GST. The bidder shall ensure that the quoted amount covers all costs associated with conducting the survey, preparation of drawings, BoM, estimates, specifications and DPR as specified in the scope of work.

Sealed quotations are hereby invited from eligible and experienced Electrical Consulting Agency for above mentioned work at Auric Hall, Shendra Industrial Area.

It is requested to submit your quotation on the firm letter head with related works experience certificate within seven working days i.e. **on or before 12/09/2026** on following address, soft copy of the quotation shall also be submitted via email to the address mentioned below.

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