

Tender Report: Renewal of Earthing System & Electrical Asset Upgradation

Rajkot Division – Western Railway

Tender No.: DRM-RJT-EL-2025-26-37

Advertised Value: 83,73,205.50 — Contract Period: 06 Months
November 28, 2025

1 Tender Overview

- **Tender No.:** DRM-RJT-EL-2025-26-37
- **Division:** Rajkot Division, Western Railway
- **Work Title:**
 - Renewal of electrical power earthing system
 - Upgradation of electrical general assets
- **Advertised Value:** 83,73,205.50
- **EMD:** 1,67,500
- **Tender Closing Date:** 17-Dec-2025, 15:00 hrs
- **Contract Period:** 06 Months
- **Bidding Type:** Open Tender
- **Bidding System:** Single Packet System
- **Bidding Unit:** Above/Below/Par (Single Rate)
- **Document Cost:** NIL
- **Contract Type:** Works – General
- **Expenditure Type:** Capital (Works)

2 Scope of Work

2.1 (A) Power Earthing System Renewal

- Replacement of damaged / corroded earthing risers.
- Supply and installation of GI pipe earthing sets.
- Providing maintenance-free chemical earthing as required.
- Laying of GI strips and risers with excavation/backfilling.
- Earth pit reconstruction wherever needed.
- Testing of earthing values and submission of test reports.

2.2 (B) Upgradation of Electrical General Assets

- Replacement of old light fittings with LED fittings.
- Installation of fabricated feeder pillar panels.
- Supply of stabilizers (5 kVA & 60 kVA).
- Replacement of fans, switches and associated wiring.
- Supply/laying of LT underground cables.
- Installation of street-light control panels with astronomical timers.

2.3 Execution Classification

1. Only Supply

- Cables, LED flood lights, fans
- MCB/MCCB, joint kits
- Tools, stabilizers (where BOQ specifies supply)
- GI wire, earthing powder
- Copper strip (supply-only items)

2. Supply + Installation / Erection / Testing

- GI pipe earthing, MF earthing, GI strip earthing
- Copper plate earthing (S+E+Testing)
- Copper strip laying
- Feeder pillars, panels, stabilizers (S+E)
- Cable laying, jointing, termination
- DWC pipe laying, timers, junction boxes

3 Financial Structure

3.1 Schedule A: Earthing Works (38,49,241.50)

- GI Pipe Earthing – 400 Nos
- Maintenance Free Earthing – 100 Nos
- GI Strip 25x6 mm – 5000 m
- Extra Earthing Pit Sets – 300 Nos
- Copper Plate Earthing – 25 Nos

3.2 Schedule B: Upgradation Works (45,23,964.00)

- LED Tube Fittings – 250 Nos
- Feeder Pillars – 10 Nos
- Servo Stabilizers – 3 Nos (60 kVA)
- Fans – 200 Nos
- LT UG Cables – various sizes
- Flood Lights – 50 Nos

4 Eligibility Requirements

4.1 Work Experience

- 1 similar work (60% value), or
- 2 similar works (40%), or
- 3 similar works (30%)

4.2 Technical Requirements

- Valid Electrical Contractor License (IE Rule 45)
- Experience in electrification / rewiring / substation / yard works

4.3 Financial Criteria

- Minimum turnover as per Annexure VIB of GCC (Railway formula)

5 Required Declarations

- No blacklisting / banned business.
- Documents are genuine; IREPS document downloaded without modification.
- Compliance with land-border procurement restrictions.
- Submission of:
 - Annexure V(A): Blacklisting & Border Country Declaration
 - Annexure VIB: Turnover Details (CA certified)
 - Partnership/JV/HUF/LLP Self-Certification (if applicable)
- **Make in India Declaration:** Bidder must declare percentage of local content.

6 Technical Notes

- Earthing values must meet IS/IEC standards.
- All materials must be RDSO/IS compliant.
- Use of hot-dip galvanized GI joints mandatory.

7 Contact Details

- **Tender Inviting Authority:** Sr.DEE/P, Rajkot Division, Western Railway
- **Official Portal:** <https://www.ireps.gov.in>

8 Conclusion

This tender covers complete renewal of the earthing network and upgradation of electrical assets across Rajkot Division. The work includes supply, installation, testing and documentation as per Railway standards.