

Tender Report: Procurement of Earthing Material for DVOR (MMV)

Chennai Airport, Airports Authority of India

GeM Bid No.: GEM/2025/B/6912776

Date of NIT: 26-Nov-2025

1 Overview

- **Organisation:** Airports Authority of India (AAI), RHQ–SR Chennai
- **Project:** Replacement of DVOR (MMV) at Chennai Airport
- **Bid Number:** GEM/2025/B/6912776
- **Publication Date:** 26-Nov-2025
- **Bid Closing:** 17-Dec-2025 at 11:00 AM
- **Bid Opening:** 17-Dec-2025 at 11:30 AM
- **Bid Validity:** 120 Days
- **Estimated Value:** 21,57,331
- **Type of Bid:** Two Packet (Technical + Financial)

2 Financial and EMD Details

- **EMD:** 43,147 (Online Payment)
- **Performance Bank Guarantee:** 5% of Contract Value
- **Payment Terms:** 100% after delivery and inspection
- **Evaluation Method:** Total value wise
- **GST:** ITC to AAI; GST Undertaking required

3 Scope of Work

This tender involves the supply of complete earthing materials required for the DVOR (MMV) installation at Chennai Airport. All materials must strictly meet the technical specifications and BOQ parameters, maintaining copper purity, GI thickness and dimensional accuracy.

The bidder must ensure proper delivery at the CNS Stores, Chennai Airport, along with all required supporting documents. The materials will be inspected by AAI for compliance and acceptance.

Additionally, the bidder shall provide supply challans, OEM certificates, warranty documentation and GST-compliant invoices at the time of delivery.

4 Bill of Quantities (BOQ)

4.1 Copper-Based Earthing Components

These form the main conductive earthing network for the DVOR system.

- Copper Plate 600×600×3.15 mm — 17 Nos
- Copper Strip 25×3 mm — 1000 m
- Copper Wire (4 mm dia, non-stranded) — 400 m
- Copper Rod 1" dia × 5 ft — 10 Nos
- PVC Insulated Copper Cable 70 sqmm — 200 m

4.2 GI, PVC and Conduit Items

Materials required for vertical earthing, routing and protection.

- GI Pipe 2"×30 ft with reducer — 4 Nos
- GI Pipe 4"×10 ft with base plate — 4 Nos
- Perforated GI Earthing Pipe 40 mm×10 ft — 17 Nos
- PVC Pipe 2"×20 ft — 50 Nos
- Corrugated Hose 4" — 20 m
- Corrugated Hose 2" — 90 m

4.3 Miscellaneous Materials

Items required for installation, backfilling, cable routing and site setup.

- Salt (granular) — 4250 kg
- Charcoal (granular) — 4250 kg
- Raceway 6"×10 ft — 4 Nos
- Perforated Cable Tray 6"×10 ft — 4 Nos

- Extension Board (5/15A, 30 m cable) — 2 Nos
- Aluminium Ladder 20 ft — 1 No
- Aluminium Ladder 7 ft — 1 No
- 3-Core Cable (3×2.5 sqmm) — 40 m
- Hose Pipe 1.5" dia — 100 m
- Electrical Top 16A — 10 Nos
- FRP Poles 4000 mm (with GI base) — 4 Nos

5 Technical Requirements

All items must comply with the AAI Technical Specification document. Copper purity shall be 90% and GI thickness shall meet minimum dimensional standards.

In addition, the following conditions apply:

- All items must be supplied with OEM test certificates.
- Materials shall be new, unused and conforming to IS standards.
- Packaging must prevent corrosion or mechanical damage.

6 Eligibility and Qualification Criteria

- Valid PAN, GST and statutory registrations
- Submission of datasheets for all offered items
- Past performance as per GeM norms
- Non-blacklisting declaration
- Compliance with MSE and MII Purchase Policy

7 Purchase Preferences

- MSE Purchase Preference applicable
- Make in India (MII) compliance with Local Content Certificate

8 Additional Terms and Conditions (ATC)

- ATC clauses cannot be modified by the bidder
- PBG must be submitted within 30 days of PO
- LD @ 0.5% per week, maximum 10%
- Warranty/guarantee as per OEM or minimum 1 year
- Defective/non-compliant items must be replaced at no cost
- All required declarations (GST, Local Content, MSE) must be submitted
- Delivery must be completed within the specified timeframe

9 Contact Details

- **Billing Authority:** General Manager (CNS)
- **Organisation:** Airports Authority of India, Chennai Airport
- **Email:** com-store-ch@aai.aero

Conclusion:

This tender encompasses the supply of all earthing materials for the DVOR (MMV) system at Chennai Airport. The bidder must comply with all technical specifications, BOQ quantities, ATC conditions and delivery requirements to ensure full acceptance by AAI.