

## Railway OHE & Electrification Structures

Indo East Corporation manufactures Overhead Electrification (OHE) masts, portal structures and gantries for Indian Railways electrification projects. Our structures are built to Railway Board specifications and supplied to major EPC contractors involved in Indian Railways' 100% electrification programme. We have supplied steel channel sleepers since 2001.

Railway structures demand extreme precision and repeatability — requirements we meet through CNC plasma cutting, robotic welding and stringent dimensional inspection prior to galvanizing.

|               |                |                |                |      |
|---------------|----------------|----------------|----------------|------|
| ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 | IEC Registered | NSIC |
|---------------|----------------|----------------|----------------|------|

### Technical Specifications

| Parameter       | Specification                                   |
|-----------------|-------------------------------------------------|
| Structure Types | OHE masts, portals, registration arms, gantries |
| Electrification | 25 kV AC traction, 1500 V DC (Metro)            |
| Mast Heights    | Standard 9 m, 12 m, custom heights              |
| Material        | IS 2062 / tubular sections per RDSO             |
| Galvanizing     | IS 2629 — min. 75 microns                       |
| Standards       | RDSO / Railway Board specifications             |
| Applicable To   | Indian Railways, Metro Rail, industrial sidings |

### Product Range

|                                                                                                         |                                                                                                     |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>OHE Masts</b><br>Standard and special masts for 25 kV AC broad-gauge electrification.                | <b>Portal Gantries</b><br>Overhead portal structures for multi-track sections and level crossings.  |
| <b>Registration Structures</b><br>Cantilever and registration arm assemblies for catenary wire support. | <b>Metro Rail</b><br>Precision-fabricated steel structures for metro rail traction electrification. |

### Typical Applications

|           |                    |                       |
|-----------|--------------------|-----------------------|
| OHE Masts | Portal Structures  | Cantilever Arms       |
| Stay Sets | Overlap Structures | Metro Rail Structures |

## Manufactured At Our Jangalpur Plant

Every item on this datasheet is produced in-house at our fully integrated complex at Jangalpur, NH-6, Howrah — from cutting and fabrication through welding, pre-treatment, hot-dip galvanizing and final inspection. No sub-contractor dependency.

|                  |                              |                          |                          |
|------------------|------------------------------|--------------------------|--------------------------|
| Annual capacity  | <b>18,000+ MT / year</b>     | Fabrication              | <b>1,000 MT / month</b>  |
| Galvanizing      | <b>1,500 MT / month</b>      | Galvanizing kettle       | <b>7.0 × 1.2 × 1.6 m</b> |
| Max single-piece | <b>5 MT (cranes to 20 T)</b> | Distance to Kolkata Port | <b>22 km</b>             |

## Standards & Compliance

Structural steel: **IS 2062 / IS 8500** · Galvanizing: **IS 2629 / ASTM A123** · Wind load: **IS 875 (Part 3)** · Tolerances: **IS 7215** · Welding: **AWS D1.1 / IS 816** · Weld inspection: **IS 822**. Management systems certified to **ISO 9001:2015, ISO 14001:2015** and **ISO 45001:2018**. IEC-registered exporter.

## How to Order

Send us your drawings, BOQ or specification by email or through the enquiry form on our website. Our engineering team reviews the scope, raises any queries, and returns a formal quotation — typically within 48 business hours. Third-party inspection (BVQI, SGS, Bureau Veritas, DNV, TÜV or customer-nominated) is supported at any stage, and export consignments ship from Kolkata Port, 22 km from our gate.