

Quality Assured at Every Stage

Indo East Corporation operates an ISO 9001:2015 certified quality management system. Every order is governed by documented inspection protocols — from raw-material receipt through fabrication, welding and galvanizing to final dispatch — supported by an in-house testing laboratory and open to third-party and customer inspection at any stage of production.

ISO 9001:2015	ISO 14001:2015	ISO 45001:2018	IEC Registered	NSIC
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Quality Control at Every Stage

Raw-Material Inspection	Incoming steel verified against Mill Test Certificates; chemical & mechanical properties checked for compliance with IS 2062 and customer specifications.
Dimensional Inspection	All cut, drilled and fabricated components checked against GA drawings; tolerances per IS 7215 or customer specs; jig checks for critical assemblies.
Weld Quality Control	Visual weld inspection per IS 822; welder qualifications maintained per WPS / PQR; NDT (dye-penetrant, ultrasonic) conducted as required.
Galvanizing Inspection	Coating thickness measured with calibrated DFT gauges; adherence test; visual check for bare spots, lumps and drips; results recorded in a galvanizing report.
Third-Party Inspection	Inspections by BVQI, SGS, Bureau Veritas, DNV, TÜV and customer-nominated TPI agencies are fully supported; records maintained to facilitate them.
Pre-Dispatch Inspection	Final check before loading; assembly trial for complex structures; marking, stencilling and bundling per export or client packing requirements.

In-House Testing Laboratory

Our dedicated laboratory enables complete in-house mechanical, chemical and galvanizing certification — reducing turnaround time and reinforcing quality at every stage. Our German-built Bruker spectrometer reads **steel, zinc, aluminium and copper**, so both the incoming steel and the zinc in our kettle are verified under our own roof. Jigs and fixtures used for dimensional checks are built in our own tool room.

Equipment	Capability	Standards
Bruker Q2 ION Optical Emission Spectrometer Imported from Germany	Chemical composition analysis across four metals — steel, zinc, aluminium and copper. Verifies incoming steel against mill certificates and kettle zinc purity in-house	IS 2062 / mill-cert verification
Universal Testing Machine (UTM)	Tensile, yield and mechanical property testing	IS 1608 / customer specs
Analogue Rockwell Hardness Testing Machine	Hardness verification of steel components and fasteners	IS 1586 / ASTM E18
DFT Gauges & Adherence Kit	Zinc-coating thickness and adhesion verification	IS 2629 / ASTM A123

7-Stage Galvanizing Pre-Treatment & Coating

1 Degreasing	Alkaline degreasing removes oils, grease and organic contaminants from the steel surface.
2 Water Rinse	Thorough rinsing removes chemical residue after degreasing.
3 Acid Pickling	Hydrochloric-acid bath removes mill scale and rust, exposing clean steel for zinc bonding.
4 Water Rinse	Rinsing after pickling removes acid and residual scale.
5 Fluxing	Zinc-ammonium-chloride flux prevents oxidation and aids zinc bonding during immersion.
6 Drying	Components dried in warm air; residual moisture eliminated before immersion.
7 Hot-Dip Galvanizing	Immersion in molten zinc at 450 °C; metallurgical bonding forms a durable multi-layer coating.
8 Quenching & Cooling	Water quench or air cool; coating thickness measured with DFT gauge per IS 2629.

Standards We Comply With

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