

Power Transmission & Substation Structures

Our power infrastructure range covers the full spectrum from 33 kV to 765 kV — substation structures, transmission line towers and distribution structures. We are an approved vendor for WBSEDCL, WBSETCL, OPTCL, BSPTCL, NBPDC, SBPDCL and numerous other State Electricity Boards and engineering companies.

All power structures are engineered for longevity in harsh outdoor environments. Hot-dip galvanizing provides decades of corrosion protection, significantly reducing maintenance cost over the structure's lifetime.

ISO 9001:2015	ISO 14001:2015	ISO 45001:2018	IEC Registered	NSIC
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Technical Specifications

Parameter	Specification
Voltage Range	33 kV, 66 kV, 110 kV, 220 kV, 400 kV, 765 kV
Structure Types	Bus Post, Gantry, Deadend, Lightning Mast
Tower Types	Suspension, Tension, Deadend, Transposition
Material	IS 2062 Gr. A, B, C; IS 8500; IS 1239 pipes
Galvanizing	IS 2629 / IS 4759 — 85+ microns
Solar MMS	Module mounting structures for utility solar
Standards	CEA, IS, IEC, BS, customer specifications

Product Range

Substation Structures Bus posts, gantries and equipment supports for 33 kV–765 kV switchyards.	Transmission Towers All tower types for EHV lines — suspension, tension, deadend and angle towers.
Solar MMS Module mounting structures for utility-scale and rooftop solar projects.	Distribution Structures 11 kV and 33 kV structures for state distribution utilities.

Typical Applications

33kV / 66kV Substations	220kV / 400kV Substations	Transmission Line Towers
Solar Module Mounting	Feeder Pillars	Lightning Masts

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

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.