

2,500 T / MONTH

Lattice Towers & Structures

Lattice transmission towers, M-type towers and substation structures — cut, punched, formed, assembled and hot dip galvanized entirely in-house at 2,500 tonnes a month.

OUTPUT

2,500 tonnes a month

TYPES

Lattice, M-type, substation

FINISH

Hot dip galvanized



Galvanized tower sections leaving the shed

Steel in, galvanized tower out.

Tower fabrication and galvanizing sit side by side on the campus. Sections are cut, punched, formed and assembled in our own shop, then go straight into our own zinc bath rather than travelling to a third-party galvanizer and back.

That single decision removes the longest and least predictable step in most tower supply chains. It is also why we can hold 2,500 tonnes a month without the coating queue that constrains fabricators who buy galvanizing in.

2,500 ton / month

Sustained fabrication and galvanizing output.

Galvanized in-house

No third-party coating queue in the delivery programme.

To your drawings

Fabrication against the purchaser's drawings and BOM.

TRANSMISSION

Overhead lines

11 kV, 33 kV and higher transmission and distribution lines.

SUBSTATION

Structures

Gantries, equipment structures and support steelwork.

UTILITY

Rural electrification

Line construction under national electrification programmes.

INDUSTRY

Private networks

Captive lines for plant and industrial estate distribution.

Fields marked "On enquiry" are issued against a specific enquiry. Full specification, reference tables and fittings: aggarwalglobal.com/products/lattice-towers.html

GENERAL

Products	Lattice transmission towers, M-type towers, substation gantries and equipment structures
Standard height	12.8 metres and various sizes to drawing
Fabrication	Cutting, punching, drilling, notching, forming and assembly in-house
Galvanizing	Hot dip, in-house — bath up to 1 m x 7.25 m
Monthly capacity	2,500 tonnes
Steel grade	IS 2062 structural steel — grade to drawing

COATING

Standard	IS 4759:1996 coating mass; ISO 1461:2009 where specified
Coating mass, steel 5 mm and above	610 g/m ² minimum
Coating mass, steel 2 to 5 mm	460 g/m ² minimum
Uniformity test	IS 2633 — four one-minute copper sulphate dips
Adhesion test	IS 2629 — pivoted hammer and knife test
Fasteners	Galvanized to IS 1367

STANDARDS

IS 2062	Hot rolled medium and high tensile structural steel
IS 4759:1996	Hot dip zinc coatings on structural steel and other allied products
IS 2629:1985	Recommended practice for hot dip galvanizing of iron and steel
IS 2633:1986	Testing uniformity of coating on zinc coated articles
IS 6745:1972	Determination of mass of zinc coating
IS 1367	Technical supply conditions for threaded steel fasteners
ISO 1461:2009	Hot dip galvanized coatings on fabricated iron and steel articles
IEC 60652	Loading tests on overhead line structures



ENQUIRIES

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WORKS AND OFFICE

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Delivery as per the client's requirement, confirmed with the quotation. Ex Factory or FOB for export.