

RAILWAY ELECTRIFICATION STRUCTURES

One stop solution for Railway
Electrification Structures



VISION

To produce world - class quality products ensuring robust National Infrastructure development and making India the preferred sourcing hub for Global Infrastructure needs.

ABOUT US

Skipper Ltd. is a 200 million USD company and the Flagship entity of the S K Bansal Group

Among the **largest tower manufacturers** in the world

One stop solution provider for Designing, Constructing, Testing & Commissioning of **Railway Electrification Structures**

The leading manufacturer of **transmission towers**, MS & HT Angles, bolts, nuts and accessories among an exhaustive product basket

Complete integrated **transmission** solutions provider

Exports to more than 30+ countries across the globe



OHE Product Manufacturing Capacity – 24,000 Tonn / Annum.

Engineering Product Manufacturing Capacity – 3,00,000 Tonn / Annum.



CORE and PGCIL approved Rolling Mill

Large galvanizing plant, 12.3 mtr long x 2.6 m wide ensures single dip galvanizing.

Supplied B Mast & Structures under Indian Railway, like

DFCC/EDFC/IRCON, ETC.

International exports include Dhaka Metro, Bangladesh.

RE construction with experienced EPC team.

Permanent Workforce of over 2400 employees.

In House R & D Centre approved by DSIR.



FABRICATED AND GALVANIZED STEEL STRUCTURES FOR OHE & TSS

- B SERIES MAST • BFB/RSJ • TTC MAST
- PORTAL/SPECIAL FABRICATED MAST • SPS • TSS

RAILWAY ELECTRIFICATION STRUCTURES

We are an RDSO/ CORE PART I approved vendor to manufacture and supply all ranges of structure, like BFB/RSJ, Masts, Portals, Small Parts Steel for OHE & TSS.

OHE PRODUCT DESCRIPTION

RSJ Mast: It is an I or H cross-section beam. The horizontal and vertical elements are called flanges and web respectively. Beam theory shows that I shaped section is very efficient for carrying both bending and shear loads in the plane of the web. The mast is further classified into A, B, C, E & H depending upon drilling hole for supporting different type of OHE equipment.

BFB Mast: The horizontal and vertical dimensions are same in this design of mast. These masts are good for resisting bending moment but weak in arresting twisting moment. These masts are classified into three categories depending upon the drilling holes for mounting.

Fabricated Mast (B-series): These masts are fabricated by channels and flats welded in B design. These independent structures having mechanical independence which makes the best OHE design. The section details as per below:-

1. B – 150 2. B – 175 3. B – 200 4. B – 225 5. B – 250

Portal Structures- Portal structures are used to accommodate OHE of many lines (2 to 8 tracks) where it is not possible to erect independent mast due to restriction of track centre. There are basically three basic types of portal namely N, O and R type.

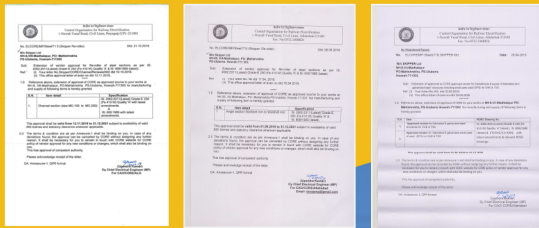
TTC (Two Track Structure)- This is an alternative where it is not possible to manage with mast as well as portal is difficult due to restriction of track centre. This is generally used at turnouts, crossover & platform to provide adequate implantation.

SPS (Small Part Structure)- There are various small/short parts used as the joints between Mast and Portals in electrification lines in order to maintain smooth operation.

SKIPPER STRENGTHS :

1. Backward integration of manufacturing facilities, availability of diverse manpower and huge manufacturing/fabrication area provides Skipper the ability to manufacture not just B series masts but SPS / Portals in large volumes with quick turnaround times
2. Skipper has PGCIL approved hot rolling mills, fabrication as well as galvanising plants which gives us advantage over other vendors and also gives us great control over our quality as well as assures the customer for fast and reliable deliveries
3. Due to Skipper's adherence to implementation of state of the art management systems, we are able to execute orders as large as 10,000 MT and as small as 10 MT with the same efficiency
4. Skipper usually gives priority to deliver the right mix of SPS, Portals and Masts, so that site execution of customer is optimised without putting unnecessary pressure on their finances.

RAILWAY CORE APPROVALS



AWARDS & CERTIFICATION



VALUABLE
CONTRIBUTION
TO THE POWER
INDUSTRY -
ECONOMIC
TIMES



LARGEST TOWER
SUPPLIER BY
POWER GRID
CORPORATION
OF INDIA LIMITED -
2016 TO 18



GLOBAL HR
EXCELLENCE
AWARD



EMERGING
EPC PLAYER, 2016



EMERGING BRAND
OF 2016

OUR CLIENTS



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