



# One of the World's Largest Tower Testing Station **Skipper Limited Test Bed and R&D Center**





## 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

- Established in 1981, Skipper is among India's Largest and World's leading manufacturers for Transmission & Distribution Structures Manufacturing capacity of 300000 MTPA
- 4 State of the Art, Power Grid approved Plants in West Bengal & Guwahati
- Fully backward Integrated Transmission Tower manufacturing company with in-house Angle Rolling, Tower, Accessories ; Fastener manufacturing and EPC line construction
- Footprints across 40+ countries around the globe from South America, Europe, Africa, the Middle East, South and Southeast Asia and Australia
- Within India, we are a preferred manufacturer of choice for our customers pan India, from J&K to Tamil Nadu and from North East India to Gujarat
- Winner of Largest Power Transmission Tower Supplier award from PGCIL consecutively for 3 years

## Transmission Line Tower Testing Station

- State of art- Transmission Line Tower Testing Station spread across 14 acres of land in West Bengal (VII. - PO. Barunda, P.S. Bagnan Dist. Howrah - 711303)
- Skipper is One of the World's Largest Tower Testing Station
- Features most modern Technology in Tower Erection & Loading
- The facility is designed to Test all kinds of Lattice Towers, Monopoles & Guyed Towers with World Class Technical Parameters
- Ultimate Destination for OHTL Contractors & Manufacturers for Prototype Testing



765kV D/C Tower Type 'DD/DE'  
Tower Test



400kV D/C TT 'DBN'  
Tower Test







## Fully Integrated In-House Research & Development Center:

Skipper is among the handful in its sector to invest heavily in research and innovation. It has a fully integrated, in-house Research & Development Center located in Howrah, West Bengal and is recognised by the Department of Scientific and Industrial Research (DSIR), Govt. of India.



USP

### Skipper USP

- Towers upto 1200kV with 120m height (highest in the country) can be tested
- Automated central loading and supervision system to regulate the actual loading
- Customized designs by our Designers for optimum efficiency
- Multi-speed VFD Driven Electrical Winches for smooth loading
- Exceptionally heavy Towers can be loaded optimally (1200t per leg) and large base width (up to 35m)
- Skipper's dedicated in-house R&D center allows study and up gradation of various Transmission Tower Testing methodologies. The center helps our team offer customized and breakthrough solutions to our clients every time



### Test Bed Key Features

- Maximum Test Tower Base Width – 35M x 35M
- Maximum Test Tower Height – 120M
- Maximum Compression / Uplift per Leg – 1200T
- Allowable Overturning Moment – 60,000 T-M
- Maximum Cross Arm Spread – 70M
- Maximum Transverse Wire Load – 120T per point
- Maximum Longitudinal Wire Load – 80T per point
- Maximum Vertical Wire Load – 60T per point
- Load Application System – 60 Nos. 5T & 10T capacity Electrically Operated Winches
- Load Measurement System – Strain Gauge Type Load Cell
- Material Testing and Calibration – 60t digital UTM
- Tower Erection through – 10t Tower Crane



# Few Transmission Towers & Monopoles tested at our Testing Station



**765 kV S/C MONOPOLE**



**220 kv D/C Tower**



**400 kv D/C MONOPOLE**



**500 kv D/C TOWER**



**765 kV D/C TOWER**

Skipper Limited welcomes the opportunity to quote for any of your upcoming Power Transmission & Distribution structure manufacturing, EPC projects & Tower Testing. Please send in your quote requests, RFPs or Bid documents directly to:

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