



One of World's Largest Tower Testing Station

Great
Place
To
Work®

Certified

JAN 2022 - JAN 2023

INDIA

TM



Vision

- To produce world-class quality products, ensuring robust national infrastructure development and making India the preferred sourcing hub for global infrastructure needs.



Mission

- Our mission is guided by our intent of making a difference and maintaining our respected place in the industry.



Continue adding value added products and services to our portfolio



Continue focusing on sectors of power and water as per contemporary global demand



Continue tapping newer geographies to add on to existing countries



Ensure greater scale and technology for a longer duration of existence



Reduce carbon footprints and evolve towards reduced consumption of hydrocarbons and non-conventional and renewable energy sources



About Us

- Established in 1981, Skipper is among India's Largest and World's leading manufacturer of Power Transmission & Distribution Structures, with a 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



400kV D/C



400/132kV M/C



Transmission Line Tower Testing Station

State of art Tower Testing Station certified by NABL spread across 14 acres of land in West Bengal (Vill. - PO. Barunda, P.S. Bagnan Dist. Howrah - 711303)

One of the largest Tower Testing station in the world and the largest in India

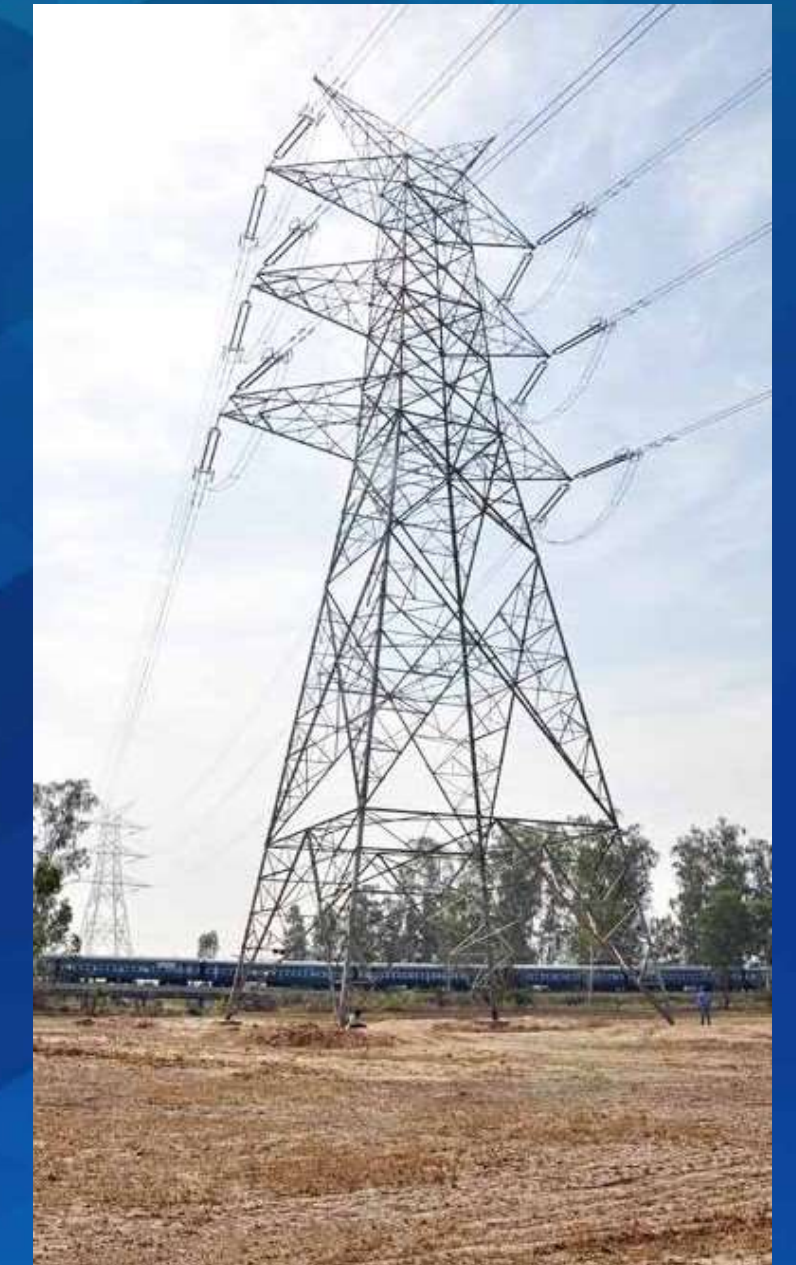
Capable of Full scale load testing, a reliable tool for validating the structural design

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



400kV DC Twin TL



Skipper USP

Towers upto
1200kV with 120m height
(highest in the country)
can be tested
seamlessly

**Automated
central loading**
and supervision system
to regulate the
actual loading

**Customized
designs** by our
Designers for optimum
efficiency

Dual-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 Towers
and Poles



Skipper USP

CERTIFICATE OF
ACCREDITATION from NABL



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

SKIPPER LIMITED (TOWER TESTING STATION)

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

VIL. & PO.BARUNDA, BAGNAN, HOWRAH, WEST BENGAL, INDIA

in the field of

TESTING

Certificate Number: TC-9011

Issue Date: 24/09/2020

Valid Until: 23/09/2022

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : MINISTRY OF CORPORATE AFFAIRS,

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



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 Tower Test Voltage	-	1200 kV (Highest in the country)
• 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	—	Stain Gauge Type Load Cell
• Material Testing and Calibration	—	60t digital UTM
• Tower Erection through	—	10t Tower Crane



Universal Testing Machine



UTM for Calibration of Load Cells



Loading Trees Display



Few Power Transmission Towers & Monopoles tested at our Testing Station



765kV S/C Monopole



220kV
Transmission Tower



765kV Transmission Tower



400kV D/C Quad
Moose Monopole



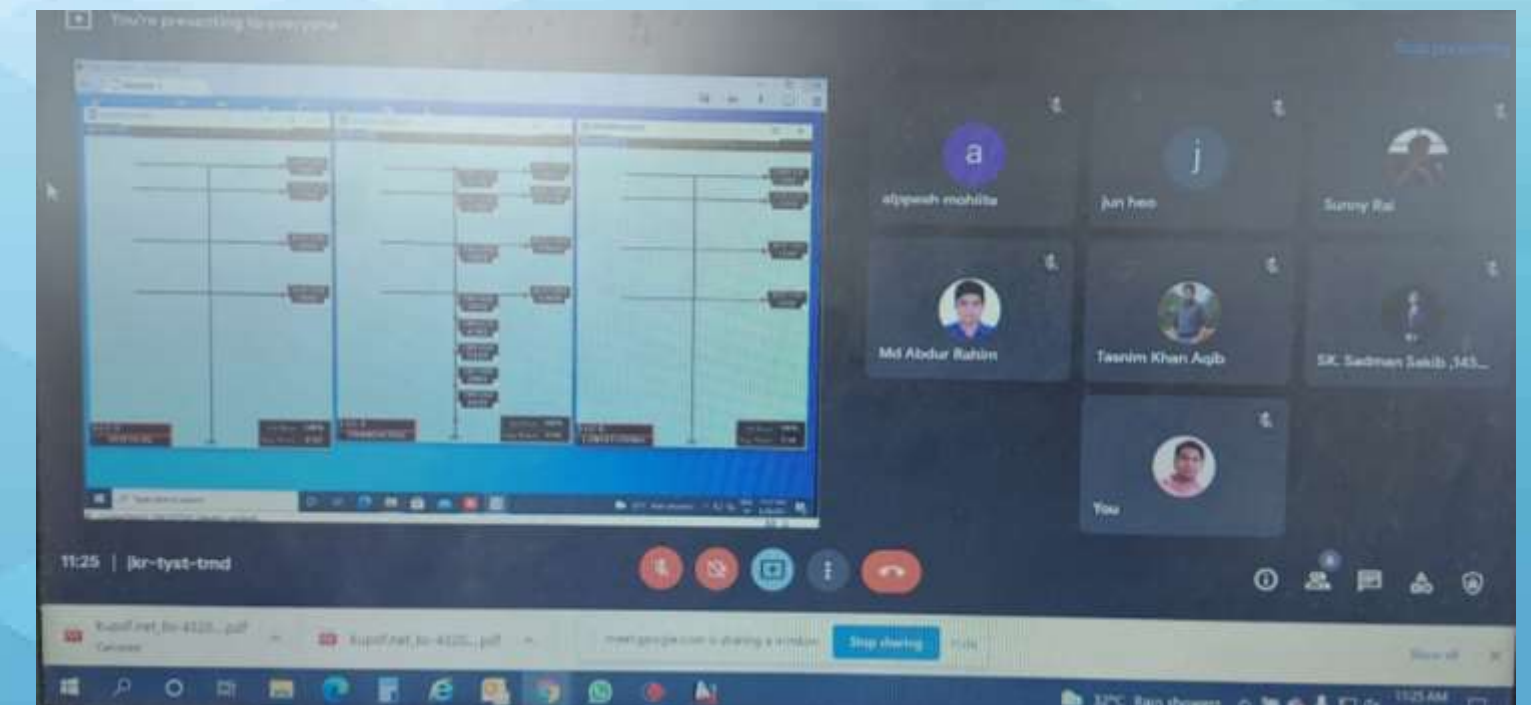
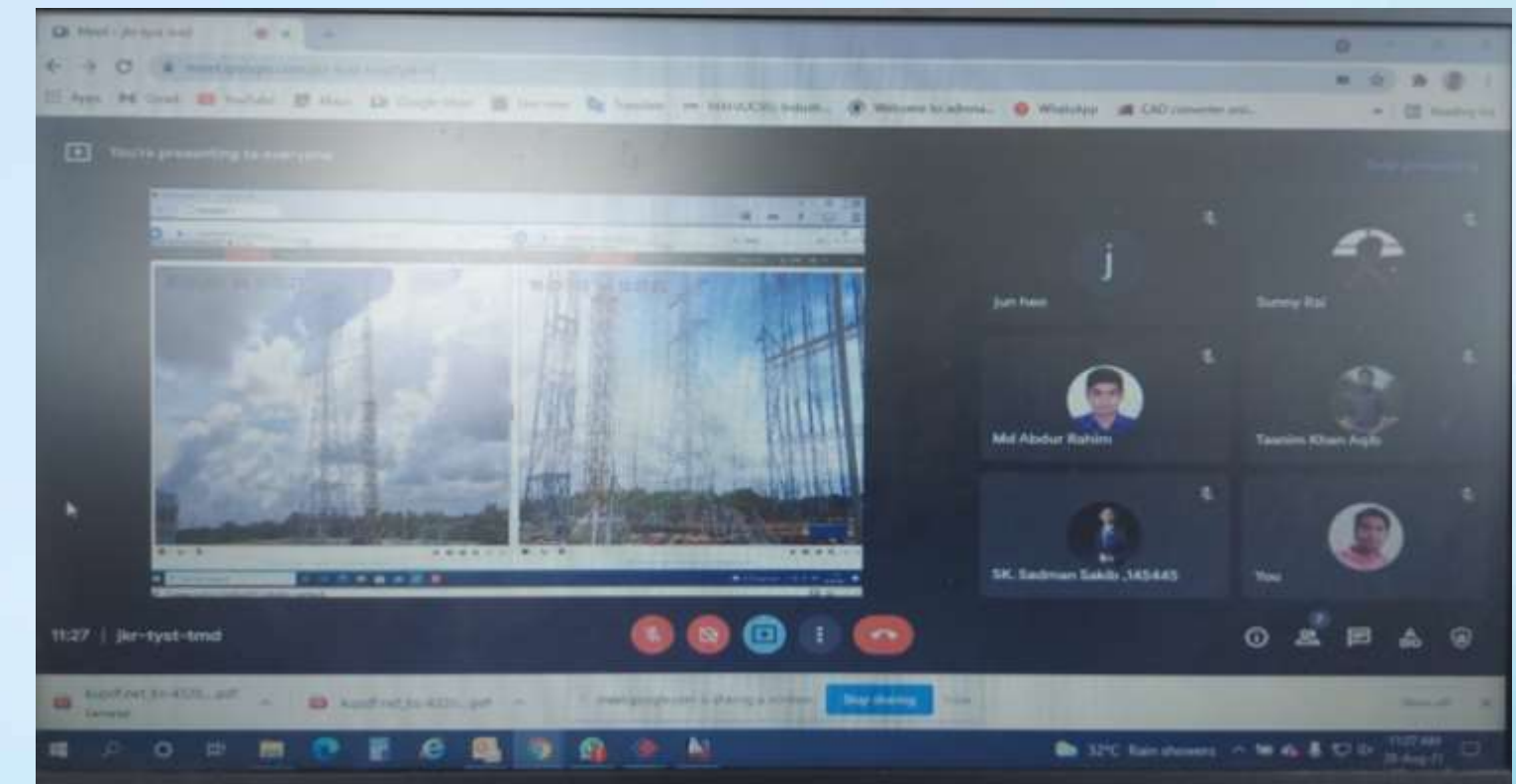
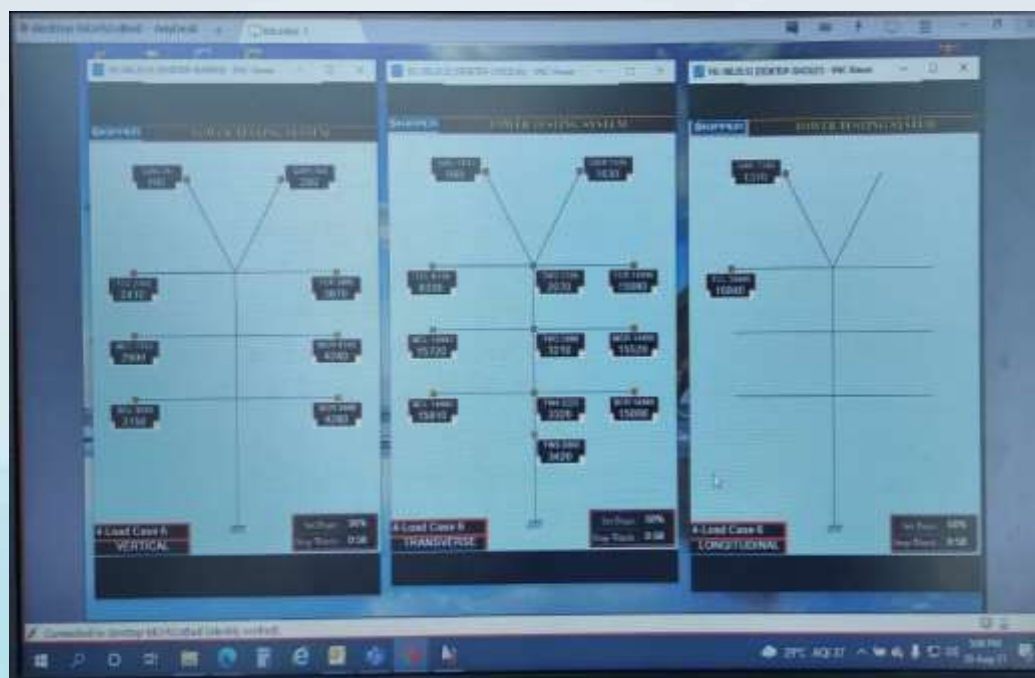
500kV
Transmission Tower



300kV Guyed
Transmission Tower

View the Tower Testing from Remote Locations

Now the customers can witness the whole testing activity from the comfort of their offices & homes. Skipper is providing virtual platform through various video conferencing portals to check both visuals of the test tower and loading screens.





Testimonial

“

Thanks Amjad and your entire Skipper's team, I am extremely happy and thanks for your support, your efficiency, we could test all 9 towers - (400 kV - d/c, 400/132 multicircuit and 132 d/c) back to back, in-spite of challenges due to COVID, cyclonic heavy rain. Your digital support helped us to witness all tests virtually.

”



Dr. Deepak Lakhapati

- Chief Design Office Sterlite Power / Founder Trans Energy

“

Tower behaved exactly as per design. Indicates perfect... fabrication, material, erection & load application. Skipper has quite a professional team.

”



Mr. Bipin B Shah

-Vice President at Torrent Power



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For More Queries Please Contact

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THANK YOU

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