

SKIPPER EPC

Only truly integrated EPC company of the world

Designing to Testing.
Construction to Installation...

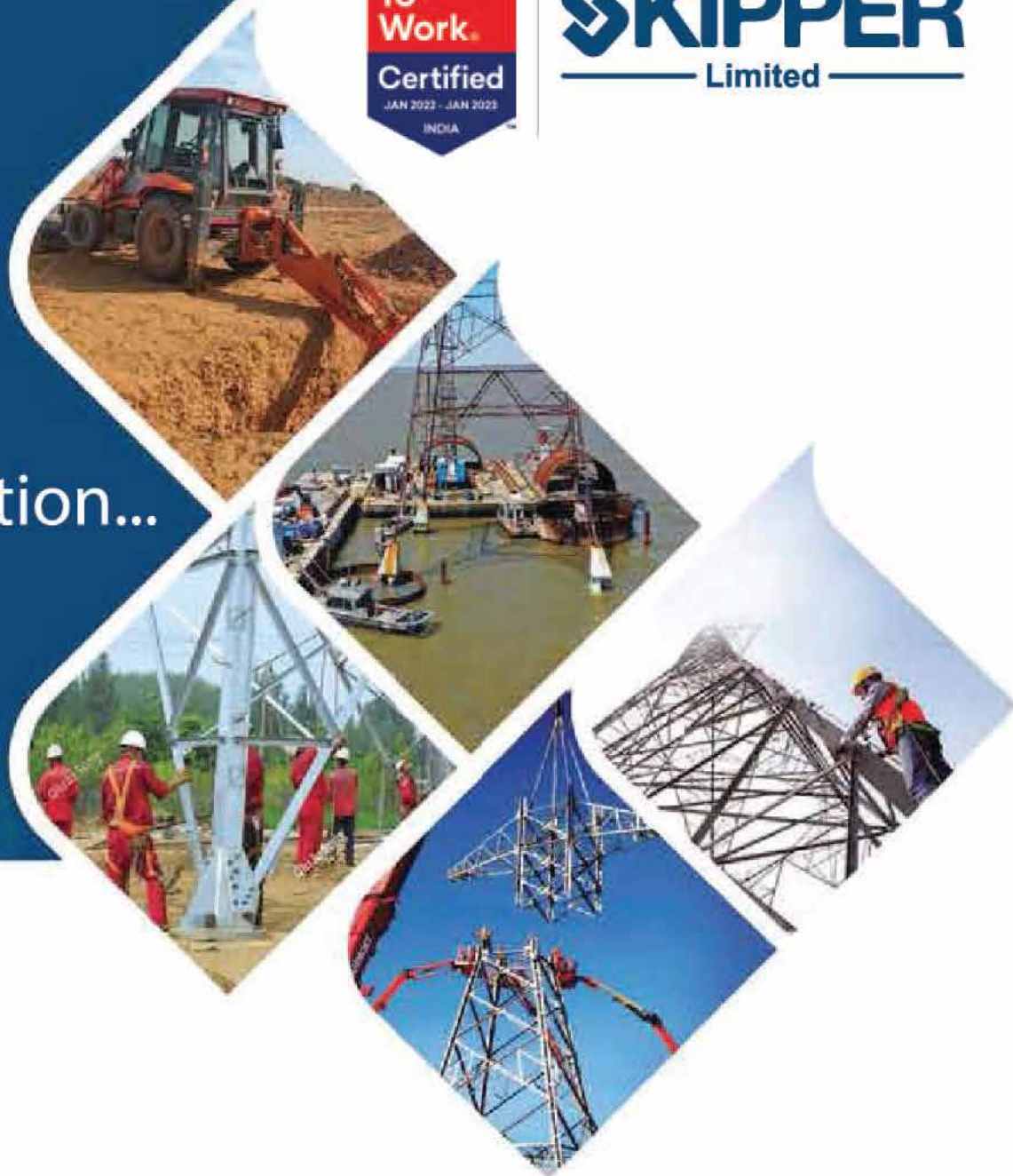


TABLE OF CONTENTS

About Us, Vision & Mission 01

Our installations 02

A global infrastructure engineering 03

Our completed EPC 04

Our ongoing EPC 05

Our featured projects 06 - 08

Line length summary of transmission line 09

Skipper facts & resources 10

Project management & execution 11

Awards & certification 12

Quality certifications 13

Our project teams 14

Product and services our offerings basket 15

Transmission line tower testing station 16

Test Bed Key Features 17





About Us

- Started as a family business in 1981, now a public entity listed on India's top stock exchanges BSE & NSE
- India's largest and amongst the top 10 manufacturers of transmission towers in the world
- Headquartered in Kolkata, India, Skipper has 4 state of the art manufacturing plants with an installed capacity of 300000 MTPA
- It is the one and only integrated T&D company in the world to be present across the value chain - Angle Rolling, Tower and Monopole manufacturing, Load Testing and EPC line construction
- In-house research center and full-scale load testing facility, which is also available to do structure testing for customers on a contract basis
- Footprints across 40+ countries around the globe including South America, Europe, Africa, Middle East, South and Southeast Asia, Australia, and now also North America
- Winner of several awards and accolades one being nominated as the Largest Supplier of Transmission towers consecutively for 3 years by "Power Grid Corporation of India Limited"



Vision

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



Mission

- To continue to add value-added products and services to its portfolio
- To continue to focus on sectors of power and water as per contemporary global demands
- To continue to tap newer geographies to add to the existing market
 - To ensure the greater scale and technology, the greater longevity of product, and introduce more efficient technologies for a longer duration of existence
 - To reduce carbon footprints, and evolve towards reduced consumption of hydrocarbons and nonconventional and renewable energy sources

Our installations
stand the test of time

A GLOBAL INFRASTRUCTURE ENGINEERING PROCUREMENT AND CONSTRUCTION (EPC) MAJOR

Skipper EPC

Known for its integrated solutions in terms of tower design, tower testing, manufacturing and onsite constructions, Skipper Limited is a fully integrated infrastructure Engineering, Procurement and Construction (EPC) major. The Company's integrated solutions include tower design, tower testing, manufacturing and onsite constructions. The Company possesses an experience of more than 40 years. The company's dedicated vertical for EPC line construction comprises a specialized skill set to execute turnkey transmission projects upto 800 kV HVDC for various utilities. Skipper executes projects in the field of extra-high voltage (EHV) transmission lines. Prior to installation, the Company conducts an exhaustive geological and topographical survey of the tower erection area.

Railway EPC

The Company is a leading manufacturer of galvanised steel structures and SPS for railways OHE and TSS. We manufacture a qualitative range of Railway Structures. We manufacture Galvanised Steel Structures as per RDSO / CORE Specification for Railway Electrification Projects including sub Station / Wire Mesh barriers etc. 25 kV Railway Over Head Electrification work of 77 Track km awarded by IRCON International Limited in connection with Kiul-Gaya doubling project of East Central Railway. The line is to be electrified from Luckeesarai to Sadipur and contract value is INR 30.86 Cr. The overhead lines will cross the major bridges of 700 m span. The work also involves the augmentation of existing SP, SSP & TSS. 25 kV Railway Over Head Electrification work of 27 Track km of the dedicated railway track of South Eastern Coalfields Limited at Kushmunda Siding near Gevra Road station. The contract value being INR 15.44 Cr, this work also includes the construction of a new switching station to feed the line. 25 kV Railway Over Head Electrification work of 50 Track km awarded by West Central Railway in connection with Satna - Rewa doubling project of West Central Railway.

The Skipper Advantage

While earning the value addition that vertically integrated EPC players generate, this will also allow Skipper to have greater control over the projects of its manufacturing operations through captive EPC Sales. The dedicated vertical for EPC line construction, with a specialized skill set to execute turn key transmission projects upto 800 kV HVDC for various utilities. We execute projects in the field of extra high voltage (EHV) transmission lines. Prior to installation we conduct exhaustive geological and topographical survey of the tower erection area. We are a trusted partner offering value added turnkey solutions for critical infrastructure projects.

OUR COMPLETED EPC TRANSMISSION LINES

SL NO (KM)	PROJECT DETAILS	CLIENT	LENGTH (KM)
1	400 kV D/C (TWIN) PANCHKULA - PATIALA TRANSMISSION LINE (JV WITH RANJIT SINGH & COMPANY)	PGCIL	65.440
2	400 kV D/C (QUAD) BHADLA - BIKANER TRANSMISSION LINE (JV WITH UNITECH POWER TRANSMISSION LTD.)	RRVPNL	101.27
3	400 kV D/C (TWIN) ALLAHABAD - KANPUR TRANSMISSION LINE (PART I) (JV WITH RANJIT SINGH & COMPANY)	PGCIL	69.82
4	400 kV D/C (TWIN) RAPP 7 & 8 - KOTA TRANSMISSION LINE	PGCIL	45.233
5	220 kV / 132 kV DC / SC LINES AGAINST PACKAGE -2 of TENDER SPECS. TD 400/15 (JV WITH SONAA ENGINEERING PVT LTD.)	UPPTCL	429.19
6	220 kV / 132 kV DC / SC LINES AGAINST PACKAGE -3 OF TENDER SPECS. TD 400/15 (JV WITH SONAA ENGINEERING PVT LTD.)	UPPTCL	345.711
7	± 800 kV HVDC RAIGARH - PUGALUR TRANSMISSION LINE (Package 09) (JV WITH UNITECH POWER TRANSMISSION LTD.)	PGCIL	85.451
8	132 kV D/C CHATTARGARH - LOONKARANSAR TRANSMISSION LINE	RRVPNL	70.851
9	Construction of LILO of one circuit of 400kV D/C Akal- Jodhpur (New) (Quad Moose) Line at Jaisalmer-2	RRVPNL	6.938
10	220 kV & 132 kV TRANSMISSION LINES IN KAITHAL AREA(REC-226)	HVPNL	80.2
11	400 kV D/C (QUAD) JIGMELING - ALIPURDUAR TRANSMISSION LINE (ASSAM PORTION) (JV WITH C&C CONSTRUCTIONS LTD.)	PGCIL	110
12	220 kV D/C AKAL - JAISALMER 2 TRANSMISSION LINE	RRVPNL	56.595
13	Supply, Erection, Civil, Testing and commissioning of equipment for construction of 765kV HEXA ZEBRA Conductor Transmission Line from Fatehgarh (II)- Bhadla (II) for PGCIL under TBCB package	PGCIL	186.787
14	Supply, Civil, Erection, Testing and commissioning work of the equipment for construction of 220kV Height extension work of existing 220kV Transmission Line by 220kV MONOPOLE for DMRC.	DMRC	02 Nos Monopole
15	132kV D/C Panki-Azadnagar Line for Line Diversion work on Monopole	UPPTCL	03 nos Monopole
16	TW-04 ISLAMPUR - SAHARSA PORTION OF ± 800 kV HVDC BISHWANATH CHARALI - AGRA	PGCIL / INABENSA	(PARTIAL WORK)
17	TW-07 GORAKPUR - GOMTI RIVER PORTION OF ± 800 kV HVDC BISHWANATH CHARALI - AGRA	PGCIL / INABENSA	(PARTIAL WORK)

OUR ONGOING EPC TRANSMISSION LINE PROJECTS

SL NO (KM)	PROJECT DETAILS	CLIENT	LENGTH (KM)
1	220 kV D/C PALAMPUR - HAMIRPUR TRANSMISSION LINE	HPPTCL	58
2	Re-Alignment work of 400kV D/C Multi Circuit Transmission Line in Yelahanka Presidency University for PGCIL	PGCIL	1.197
3	Supply, Erection, Civil, Testing and commissioning of equipment for construction of 220kV and 66kV Transmission Lines (Against Risk purchase) on Turnkey basis REC 248	HVPNL	139
4	CONSTRUCTION OF 220kV TRANSMISSION LINES IN GURUGRAM AND FARIDABAD AREA (D-05)	HVPNL	61
5	TOWER PACKAGE-TL01 FOR TRANSMISSION LINES ASSOCIATED WITH "DEVELOPMENT OF TRANSMISSION SYSTEM FOR 1500 MW SOLAR PARKS IN MADHYA PRADESH"	RUMS	127.278
6	CONSTRUCTION OF 132kV TRANSMISSION LINES IN NEPAL (KERABARI-NEW MARSYANGDI)	RPGCL	31
7	220kV M/C and 400kV D/C Monopole work at Navi Mumbai under Sterlite Power	STERLITE	3.5
8	400kV D/C Padghe - Kharghar & 400kV D/C Padghe - Ghatkopar T/L	STERLITE	59
9	25kV Railway Electrification work in between Luckeesarai to Sadipur section.	IRCON	77
10	25kV Railway Electrification work at Kushmunda Siding near Gevra Road station.	South Eastern Coalfields Ltd.	27
11	25kV Railway Electrification work in between Satna - Rewa section.	West Central Railway	50

OUR FEATURED PROJECTS FOR THE YEAR 2020 - 21

1. Tower Package -TW 09 for 800KV HVDC Raigarh - Pugalur Transmission Line

Name of Owner / company/customer for which work executed	Details of works executed on Turn key basis	Approx. route length of Transmission Line	Voltage kV	Location of work executed	Name of Funding Agency (if any)	Date of Work Completion	No of Months Taken for Work Completion
Power Grid Corporation of India Limited, Saudamini "Plot No-2, Sector-29, Gurgoan-122 Haryana.	Tower Package -TW 09 for 800KV HVDC Raigarh- Pugalur Transmission Line, Part- IX	85.45 KM	800	Tamilnadu	-	07.06.2020	36

Remarks: The package was part of a 1800km line originating from Raigarh in the State of Chattisgarh and terminating at Pugalur in the State of Tamil Nadu, transmitting 6000MW power. The line was the 1st HVDC transmission project executed by Skipper under POWERGRID.

2. Supply, Erection, Civil, Testing and commissioning of equipment for construction of 765KV HEXA ZEBRA Conductor Transmission Line from Fatehgarh (II)- Bhadla (II) for PGCIL under TBCB package

Name of Owner / company/customer for which work executed	Details of works executed on Turn key basis	Approx. route length of Transmission Line	Voltage kV	Location of work executed	Name of Funding Agency (if any)	Date of Work Completion	No of Months Taken for Work Completion
Power Grid Corporation of India Limited, Saudamini "Plot No-2, Sector-29, Gurgoan-122 Haryana.	Supply, Erection, Civil, Testing and commissioning of equipment for construction of 765KV HEXA ZEBRA Conductor Transmission Line from Fatehgarh (II) Bhadla (II) for PGCIL under TBCB package	189.00 KM	765	Rajasthan	-	01.09.2021	22

Remarks: First TBCB (Tariff Based Competitive Bidding) project for the organization. Also the first 765kV D/C (H) transmission line order received by Skipper under POWERGRID of value 525cr. Overcoming strict lockdowns and severe COVID crisis during most part of year 2020, Skipper successfully completed the job well in time, credit to the superior management and site team during the entire duration of 19 months.

3. 400 kV D/C (QUAD) JIGMELING - ALIPURDUAR Transmission Line (ASSAM PORTION)

Name of Owner / company/customer for which work executed	Details of works executed on Turn key basis	Approx. route length of Transmission Line	Voltage kV	Location of work executed	Name of Funding Agency (if any)	Date of Work Completion	No of Months Taken for Work Completion
Power Grid Corporation of India Limited, Saudamini "Plot No-2, Sector-29, Gurgoan-122 Haryana.	400 kV D/C (QUAD) JIGMELING - ALIPURDUAR Transmission Line (ASSAM PORTION)	110.00 KM	400	Assam West Bengal	-	27.03.2021	60

Remarks: Due to prolonged monsoon period, working season remained minimum (5-6 months only) every year. Also underground water table being high, almost every location needed dewatering before and during the concreting work. In addition, local issues incl. extortion calls remained prominent during the entire course of the project resulting in major interruptions in daily work flow. Also Skipper, although being the other partner of the JV, took to execution of portion left by the lead partner after the later went bankrupt. The entire line was passing through forest corridor covering 43% of line length.

4. Construction of LILO of one circuit of 400kV D/C Akal- Jodhpur (New) (Quad Moose) Line at Jaisalmer-2.

Name of Owner / company/customer for which work executed	Details of works executed on Turn key basis	Approx. route length of Transmission Line	Voltage kV	Location of work executed	Name of Funding Agency (if any)	Date of Work Completion	No of Months Taken for Work Completion
Rajasthan Rajya Vidyut Prasaran Nigam Limited Vidyut Bhawan Janpath Jyoti Nagar Jaipur-302005	Construction of LILO of one circuit of 400kV D/C Akal- Jodhpur (New) (Quad Moose) Line at Jaisalmer-2	10.00 KM	400	Rajasthan	KFW Funding	29.10.2020	15

Remarks: The transmission line was passing through remote areas of Jaisalmer district prone to severe sand-dunes and high intensity winds all along the day. Also during construction activities, severe obstructions from local people with the issue of different compensation policy in between Private TL lines and State Government Lines and frequent incidents of theft, hampered site activities on regular basis. The line was essential to feed the newly built Jaisalmer (2) S/S and utilize the power travelling from Akal S/S to Jodhpur.

5. Construction of 132kV Chhatargarh-Loonkaransar D/C Transmission Line on Turnkey Basis.

Name of Owner / company/customer for which work executed	Details of works executed on Turn key basis	Approx. route length of Transmission Line	Voltage kV	Location of work executed	Name of Funding Agency (if any)	Date of Work Completion	No of Months Taken for Work Completion
Rajasthan Rajya Vidyut Prasaran Nigam Limited Vidyut Bhawan Janpath Jyoti Nagar Jaipur-302005	Construction of 132kV Chhatargarh-Loonkaransar D/C Transmission Line on Turnkey Basis.	70.85 KM	132	Rajasthan	KFW funding	22/07/2020	25

Remarks: area was prone to frequent sand dunes and strong winds causing loosening of soil resulting in total collapse of excavated pits. Also to include the extreme climatic conditions during the summer days causing serious trouble to working manpower.

6. 220 kV D/C AKAL - Jaisalmer 2 Transmission Line

Name of Owner / company/customer for which work executed	Details of works executed on Turn key basis	Approx. route length of Transmission Line	Voltage kV	Location of work executed	Name of Funding Agency (if any)	Date of Work Completion	No of Months Taken for Work Completion
Rajasthan Rajya Vidyut Prasaran Nigam Limited Vidyut Bhawan Janpath Jyoti Nagar Jaipur-302005	220 kV D/C AKAL - Jaisalmer 2 Transmission Line	56 KM	220	Rajasthan	KFW funding	28.03.2021	32

Remarks: The transmission line was passing through areas of Jaisalmer district prone to severe sand-dunes and high intensity winds all along the day. Also during construction activities, severe obstructions from local people with the issue of different compensation policy in between Private TL lines and State Government Lines and frequent incidents of theft, hampered site activities on regular basis.

7. 220 kV & 132 kV Transmission Lines In Kaithal Area

Name of Owner / company/customer for which work executed	Details of works executed on Turn key basis	Approx. route length of Transmission Line	Voltage kV	Location of work executed	Name of Funding Agency (if any)	Date of Work Completion	No of Months Taken for Work Completion
Haryana Vidyut Prasaran Nigam Limited Sakti Bhawan Panchkula	220 kV & 132 kV Transmission Lines In Kaithal Area	80.20 KM	220/132	Haryana	-	16.01.2021	32

Remarks: This project marked our first presence in the State of Haryana. Main challenges include land being costly and highly productive, resistance from local people became prominent resulting in frequent work stoppage and continuous involvement of local administration for day to day activities to complete the lines. Maximum of the land occupied round the year for agriculture works.

8. 220 kV D/C Palampur - Hamirpur Transmission Line

Name of Owner / company/customer for which work executed	Details of works executed on Turn key basis	Approx. route length of Transmission Line	Voltage kV	Location of work executed	Name of Funding Agency (if any)	Date of Work Completion	No of Months Taken for Work Completion
Himachal Pradesh Power Transmission Corporation Limited, Shimla	220 kV D/C Palampur - Hamirpur Transmission Line	57 KM	220	Himachal Pradesh	KFW funding	Schedule in March 2022	47

Remarks: The diverted line was passing through The Presidency University boundary in Bangalore city. In order to avoid any future congestion due to continuous expansion of the University and to ensure uninterrupted power supply, POWERGRID a Govt. of India enterprise took to the diversion work outside the University boundary.

LINE LENGTH SUMMARY OF TRANSMISSION LINE TURNKEY WORK COMPLETED

Details of Transmission Line	Total Line Length (in KM)	Completed Line Length (in KM) and Taking Over Certificate (TOC) issued by Employer	Partially Completed (expected to be completed in coming months) / Taking Over certificate is in Process (In KM)
1	2=(3+4)	3	4
Transmission Line Turnkey Contracts with Lattice Tower			
765kV and Above	274.45	274.45	0
400kV	403.012	403.012	0
220 and 132kV	1036.547	979.547	57
Total Line Length	1714.009	1657.009	57
Transmission Line Turnkey Contracts with Monopole			
400kV Monopole completed with Supply and Installation	3 Nos	3 Nos	0 Nos
220kV Monopole section on turnkey basis	2 Nos	2 Nos	0 Nos
132kV Monopole Transmission Line on turnkey basis	3 Nos	3 Nos	0 Nos
Total Qty	8 Nos	8 Nos	0 Nos

SKIPPER FACTS & RESOURCES

Facts

- Superior project management, execution expertise and technical prowess in handling large projects
- Successful track record of executing projects in inhospitable terrains (seas, rivers, mountains, hills, deserts and forests)
- Ability to overcome challenges of

- difficult climatic conditions
- Quick resource mobilisation for project execution world over
- One of the Largest globally operating lattice transmission tower manufacturing capacity
- ISO 9001, ISO 14001 and OHSAS18001 certified for all our products
- Multi-cultural work environment,

- having talent pool from diverse cultures across borders

project professionals and Engineers with Civil, Mechanical & Electrical background

Resources

- Adequate nos. of TSEs, Tower Erection T&Ps and Cranes / Hydras
- Winch machine for Winch tower erection work:
- Experienced & suitably qualified



220kV D/C PALAMPUR-HAMIRPUR
T/L PROJECT, HPPTCL



765kV F2-B2, Erection work at location-11/2



PROJECT MANAGEMENT & EXECUTION

After achieving leadership and manufacturing excellence in Towers, Fasteners and its accessories, the Company is currently involved in inculcating superior project management and execution expertise in its EPC business for clients and provide value-added turnkey solutions.

Resources: A perfect blend of critical key resources-people, equipments and a competitive network of service providers has enabled the Company to establish itself in the market.

People: The Company has a highly experienced and capable team of project management and project execution. It comprises project managers, surveyors, field engineers and skilled technicians. They are well experienced in their respective fields and well-versed, both with the conventional as well as advanced methods, of project execution.

Equipments: The Company possesses sophisticated tension-stringing machines, winches and other heavy duty construction equipments which give it a distinct edge to complete projects within a stringent time-frame.

AWARDS & CERTIFICATION



Award: The Largest Tower Supplier
For 3rd Consecutive Year
Given By: Power Grid Corporation Of India Ltd. (Pgcil)



Award: Emerging Power EPC Player
Given By: EPC World



Award: Global Hr Excellence
Given By: World Hrd Congress



Award: No. 1 Emerging Brand In Polymer Pipes & Fittings
Given By: WCRC



Award: Most Valuable Contribution To Power Industry
Given By: Et Edge



Award: Star Performer Award For The Year 2015-16
Given By: Eepc India

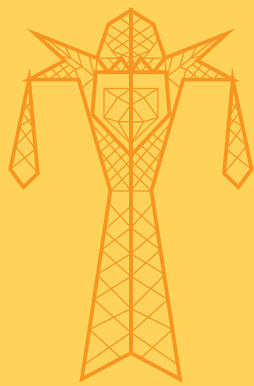


Award: The Best Polymer Brand
Given By: Constriction Times



Award: Most Ethical Company
Given By: World CSR Day

QUALITY CERTIFICATIONS



One of the few Indian companies in the transmission tower and EPC segment to have an existing and scalable relationship with more than 100 global EPC players.



OUR TEAMS



Salt Lake EPC - Team



Mumbai Sterlite Project Team



Himachal Project Team

PRODUCT AND SERVICES

OUR OFFERINGS BASKET

Over four decades, Skipper has evolved into one of the world's leading manufacturers of transmission and distribution structures (towers and poles) in the engineering products segment.

The Company is a leading brand in the polymer-based water pipes sector, it is a trusted partner in the execution of critical infrastructure EPC projects.

The Company is also strengthening its presence in the margin-driven infrastructure project business.



Engineering Products

With an installed T&D structure capacity of over 300,000 MTPA, Skipper Limited is India's largest and amongst the top 10 value-added engineered products manufacturers

Product portfolio

- Power transmission towers
- Transmission line monopoles

- Mild steel & high tensile angles
- Fasteners & tower accessories
- Railway electrification structures
- Telecom Towers

Highlights

Positioned as one of the world's leading transmission towers manufactures; largest in India

SL.No.	Location	Engineering Products * (MTPA)
1	Uluberia - Kolkata (WB)	1,65,000
2	Jangalpur Unit 1 - Kolkata (WB)	69,000
3	Jangalpur BCTL - Kolkata (WB)	39,000
4	Guwahati	30,000
	Total	3,00,000





TRANSMISSION LINE TOWER TESTING STATION

State of art Tower
Testing Station
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

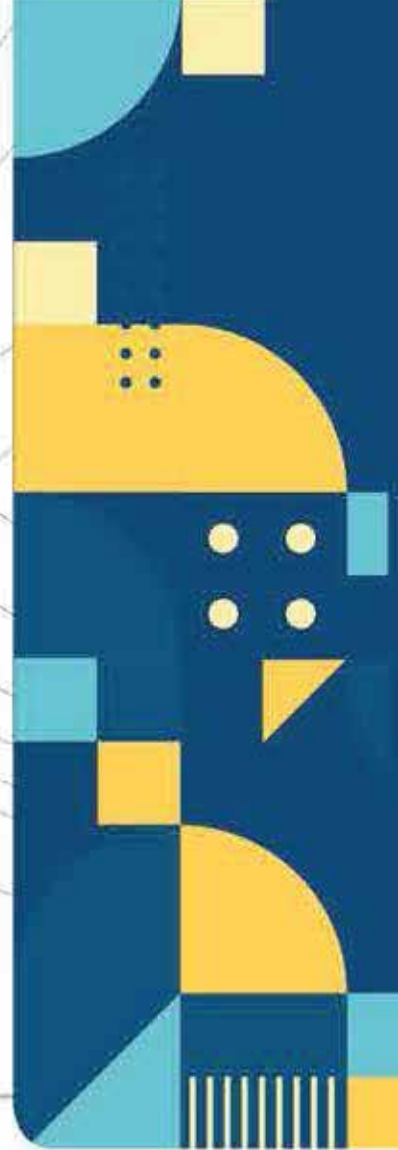
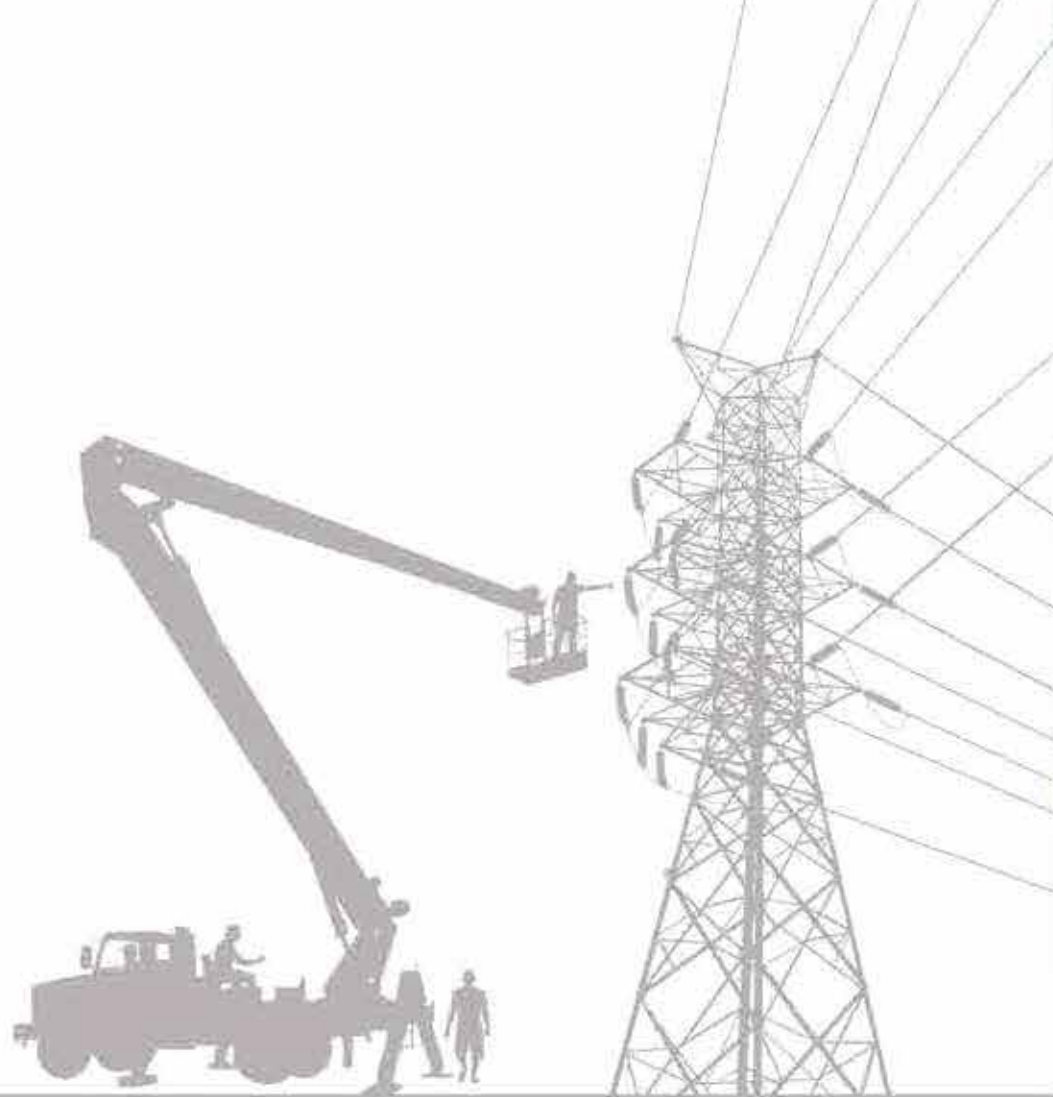
Ultimate Destination
for OHTL Contractors
& Manufacturers for
Prototype Testing

Test Bed Key Features

• Maximum Test Tower Base Width	–	35M x 35M
• Maximum Test Tower Height	–	120M (Highest in the country)
• Maximum Compression / Uplift per Leg	–	1200T
• Allowable Overturning Moment	–	60,000 T-M
• Maximum Tower Test Voltage	-	1200 kV
• 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

CONSIDER US

At Skipper, our motto is to be a leader in the Transmission Line business and provide a one-stop solution to its brand enhancing customers. A dedicated vertical of company has been established for EPC line construction with a specialized skill set to execute turnkey Transmission projects.



CIN:L40104WB1981PLC033408

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