





TRANSMISSION TOWERS

- » Angles
- » Fasteners
- » Accessories
- » EPC Line Construction
- » Tower Load Testing



## Skipper Ltd. is a 300 million USD

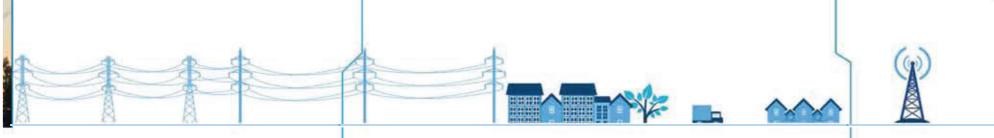
company and the flagship entity of the S K Bansal Group

Among the largest tower manufacturers in the WOrld

From being a leading tower manufacturer, we have

#### evolved our value chain

to produce fasteners, bolts, nuts and other accessories and integrated forward to also emerge as a successful EPC player in the tower business.



The leading manufacturer of

#### transmission towers, MS & HT Angles, bolts, nuts and accessories

among an exhaustive product basket



### In- House Testing Station

accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL)

#### & R&D Center,

approved by Dept. of Scientific and Industrial Research (DSIR), Govt. of India







#### Our status:

Skipper Limited is the largest tower manufacturer in India and also among the top 10 in the world. The company exports to more than 60+ countries across the globe.



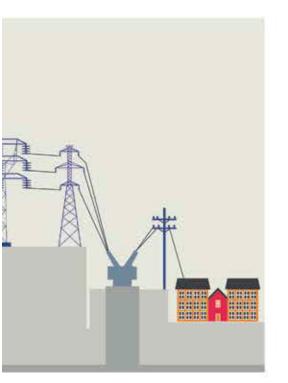
#### Our background:

Skipper (established in 1981) is a flagship company of the S.K. Bansal Group. It has over 42+years of experience in manufacturing various value-added Steel products such as Telecom Towers, Hamilton Poles, Tubular Poles, ERW Tubes and Scaffoldings.



#### Our quality:

Skipper's commitment towards product quality has made it the manufacturing partner of choice to the Powergrid - world's largest transmission utility and also Ramboll - world's largest tower design company (ISO 9001 certified)



#### Our Value - Chain





Steel Billets & blooms as input

Manufacture MS & HT Angles





Wire Rod as Input



Transmission Tower Load Testing





Manufacture Bolts & Nuts

Manufacture D-shackles & Hangars

EPC Line Construction



## Our In-house Tower Load Testing Station

Skipper has one of the world's largest Tower & Monopole testing Station. The facility is designed to test all kinds designed to test all kinds of lattice towers, monopoles & guyed towers with world class technical parameters.

## Consider us.

Do you prefer a multi-facetted, versatile and energetic company or one that prefers less of action?



#### Our plants:

Skipper has state-of-the-art Engineering, Fabrication and Galvanizing facilities in-house, within the Company's 3 Powergrid approved plants -1 in Uluberia, 2 in Junglepore (West Bengal).



#### Our EPC business:

A dedicated vertical for (EPC) services has been established with specialized skill set to execute turnkey projects in the towers' domestic market.



## Our health and safety measures:

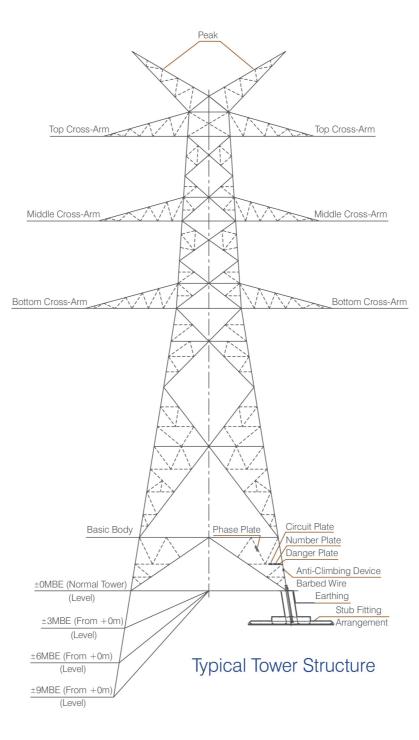
Health and safety is one of the priority areas at Skipper. We are ISO 14001:2015 & ISO 45001:2018 certified.

## Power-oasked

Would you rather join hands with a company that is credited for being singularly pioneering or those that are run-of-the-mill?

## Consider us.

At Skipper Limited, transmission towers are viewed not just as a product, but as a service. From designing and manufacturing of each component and prototyping and tower load testing to the erection and stringing of a customised tower, Skipper is present along the entire value chain.



#### Did you know?

Within each transmission line, there are 15-20 structures including basic bodies, extensions and stubbs.



Each structure can have upto 800 unique parts, all of which are produced, assembled for proto checking and packed perfectly before shipping from Skipper.

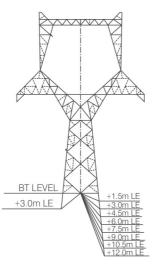


400kV DC Twin TL - Panchkula - Patiala

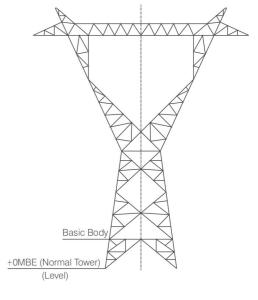


Range of towers:

Do you prefer a company that is highly specialized in its response to each and every order/ customer, or a company that treats all orders in a similar vein?



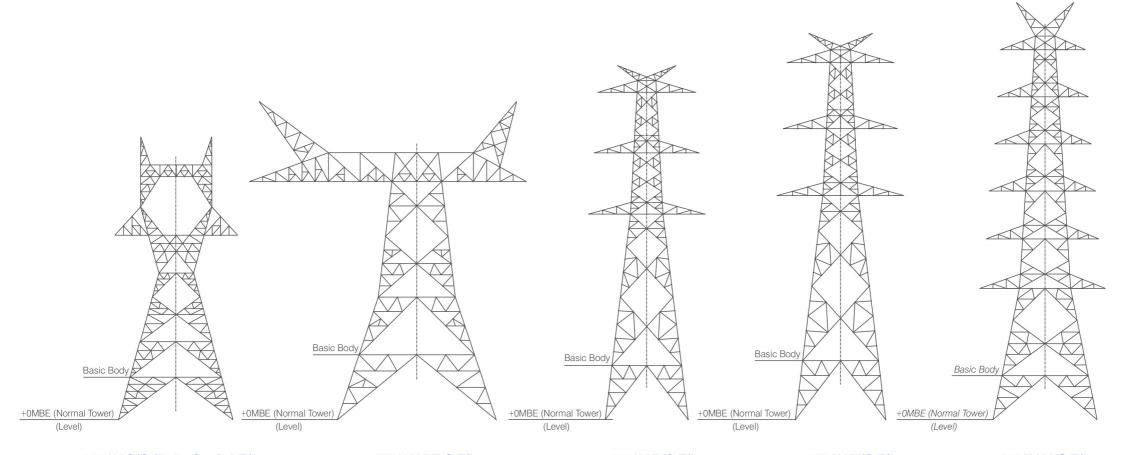




765 kV S/C (Hor. Confg.) T/L

## Consider us.

At Skipper Limited, we offer our customers a full-range-cum-diverse product basket ranging from 66kV to 800kV Towers (Single Circuit, Double Circuit, Multi-Circuit Towers suitable for Twin, Quad and Hex Conductor configurations). Some typical tower configurations produced at Skipper are shown below:



765 kV S/C (Delta Confg.) T/L 800 kV HVDC T/L 400 kV D/C T/L 765 kV D/C T/L 400 kV M/C T/L





## Facility highlights at Skipper

- » Owns 3 Powergrid approved manufacturing plants
- » Installed capacity of over 3,00,000 MT per annum
- » 7 in-house galvanizing plants upto 12 m length, 2.5 m width and 3 m depth
- » 57 Angle and Plate CNC lines
- » Zero machine downtime with 4 units back-up
- » In-House Tower Load Tower Testing Station

- » Nut bolt capacity of 600 MT per month i.e. 7200 MT per year
- » In-house MS & HT Angle Rolling (upto 250 X 250 X 35) that guarantee all time availability
- » Machinery and latest technology of manufacture is imported from Italy and China
- » In-house Engineering and Drawing department to provide Optimized Design solutions for all client requirements

## Consider us.

At Skipper Limited, we extend beyond mere manufacture to providing a service. Absorbing the latest technology, expansions and modernizations and de-bottlenecking of plants on an ongoing basis. The company has 3 state-of-the-art manufacturing facilities, 1 in Uluberia, 2 in Junglepore, near Kolkata (West Bengal).

Unit 1	Unit BCTL	Unit Uluberia	Total capacity per annum
75,000 MTPA	38,000 MTPA	1,87,000 MTPA	3,00,000 MTPA

#### Did you know?

Skipper has a much higher output almost by 15% per month than competitors.

The company has a fully automated ERP system for constant monitoring of its product batches.









In house Tower Load Testing Station

Would you rather partner with a company that takes care of a product from inception to delivery or one that simply produces and forgets?

#### Consider us.

#### **Design and Engineering**

facility with a strong team of Design Engineers Tower- Cad & Auto-CAD is equipped to provide achievements include the designing and testing and Draughtsmen who continuously develop computerized engineering solutions, 3D analysis of 500 kV S/C and D/C towers for South American innovative, construction friendly and cost and design. The company has also designed client. effective designs. The company is equipped various type of towers ranging from 33 kv to 765

Skipper has a state of art in-house design with the latest softwares like PLS Tower, PLS Pole kV and various types of monopoles. Major

#### Some of our successfully designed & tested towers are -

1	Voltage Range		Country Name	
	<b>»</b>	230 kV S/C & D/C	Philippines	
	<b>»</b>	132 kV D/C	Nepal	
	<b>»</b>	400 kV D/C	Oman	
	<b>»</b>	132 kV M/C	Sri Lanka	
	<b>»</b>	220 kV D/C	Chile (South America)	
	<b>»</b>	132 kV D/C	Nepal	

Voltage Range	Country Name	
» 66 kV S/C & D/C	Chile (South America)	
» 132 kV D/C	Nigeria	
» 330 kV D/C	Nigeria	
» 240 kV M/C	Canada	
» 500 kV D/C	Malaysia	
» 500 kV D/C	Philippines	

#### Packing and Containerization

At Skipper, containerization is the manifestation of the company's ethos to care till the last mile for its valuable customers. Utmost care is taken to ensure all tower parts reach the end customer in sturdy sea-worthy packing for ease of handling during transportation from factory to installation site. All transportation of towers to our domestic our plants are geared up to do singletower bundling and factory-stuffing of containers for ensuring safe delivery to site.

Proper lashing, choking and fumigation are done to ensure international norms of packaging. Services of professional logistic enables best of shipping lines and fast delivery to our international customers. A dedicated fleet of transporters are engaged for customers.







### **Global Footprints**





#### **Middle East**

- Jordan
- Saudi Arabia
- UAE
- Qatar
- Oman
- Kuwait
- Iraq
- Bahrain

#### South and **South East Asia**

- India
- Nepal
- Bangladesh
- Sri Lanka
- Indonesia
- Philippines
- Malaysia
- Myanmar

#### **Australia**

#### **New Zealand**

#### Europe

Finland

#### USA

#### Canada

#### **Africa**

- Kenya
- Egypt
- Ghana
- Nigeria
- Zambia
- Sierra Leone
- Guinea
- South Africa
- Botswana
- Burundi
- Angola
- Liberia
- Tanzania
- Togo
- Mali
- Uganda
- Senegal
- Niger
- Malawi
- Gambia
- Benin
- Cameroon
- Mozambique
- Rwanda
- Central African Republic
- Burkina Faso

# Over-power!

Would you prefer multiple companies to get your job done or a one-stop partner who provides you a turnkey solution?

## Consider us.

At Skipper, motto is to be a leader in the Transmission Lines 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 up to 1200 kV.







**Network of service providers:** The Company has a well established and strong network of service providers in India. It deploys the latest equipment to









## Power-le



Would you rather select a company that is quality-conscious by default or one that views quality control merely as an ISO mandate?

#### **Awards**

**EPC** 

**Player** 

**Award** 



**Award by EEPC India** 



Gold Award by Federation of Indian Export Organisations(Eastern Region)



"Largest Tower Supplier" award by PGCIL in Tower supply category for 3 consecutive years.

## Consider us.

At Skipper Limited, quality is a way of life. We test and certify all that we manufacture so that our customers can be completely assured in the knowledge that they are being delivered the most genuine product.

» Bureau of indian Standards(ISI) – ISO 9001:2015. ISO 14001:2015, ISO 45001:2018

» Power Grid Corporation of India Limited (PGCIL)

» Egyptian Electricity Transmission Company (EETC)

» Kenya Transmission Company (KETRACO)

» Transmission Company of Nigeria (TCN)

» National Grid Corporation of Philippines (NGCP)

» Canadian Welding Bureau (CWB)

» RETIE, Colombia

» LAPEM Mexico

» CE Europe

» OETC Oman

» INMETRO Brazil

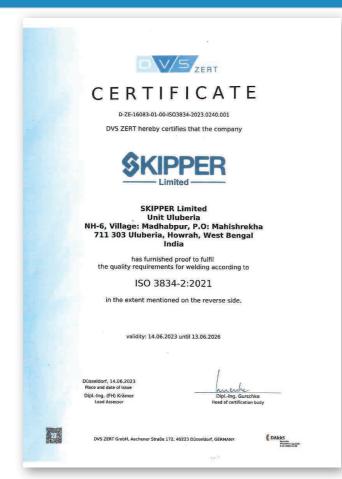
» EDL Lebanon

» ACHILLES Certified

» MEW Kuwait

» MOEE Iraq

Process	Indian Standards (IS)	British Standards with European Norms (BSEN)	American Standards (ASTM)	Australian/ New Zealand Standard (AS/NZS)	German & ISO Standards
Rolling & Cutting Tolerance (Hot Rolled Steel Products)	IS 1852 & IS 808	BSEN 10056-1 & 2	ASTM A6	AS/NZS 3679.1	
Fabrication	IS 802 Part-II & IS 7215	BSEN 1090-2		AS/NZS 5131	
Mild Steel (Tower Material)	IS 2062, E250A	BSEN 10025-2, S275JR/J0	ASTM A36/A36M		
High Tensile Steel (Tower Material)	IS 2062, E350A	BSEN 10025-2, S355JR/J0	ASTM A572, Gr. 50, 60 & 65		
Galvanizing	IS 2629, IS 3633, IS 4759, IS 6745	BS 729 & BSEN 1461	ASTM A123, ASTM 153 & ASTM A143	AS/ NZS 4680	
Fasteners (Grades 4.6/5, 5.6/5, 5.8/5, 6.8/6, 8.8/8 & 10.9/10 Type 0, Type-1 & A325	IS 1367 (Part-3 & 6), IS 12427, IS 14394 & IS 10238	EN ISO 898-1 & 2 EN ISO 4016, EN ISO 4018, EN ISO 4032 & EN ISO 4034	ASTM A394, ASTM F3125 ASME B 18.2.1 & B 18.2.2 ASME B 18.2.6M	AS/NZS 4291-1 & 2 AS/NZS 1559	DIN 267 Part-4 & 5 (ISO 898-1 & 2) DIN 7990, DIN 934, ISO 4032, ISO 4034







#### Certificate Annex

#### Skipper Limited

Annex 1 of 01 to Certificate number 23300-ISN-001 Containing 05 locations including Head Office

19 September 2023

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

#### Scope of Registration:

Design, Manufacture, Testing, Installation and Maintenance of Galvanized Towers & its Parts, Swaged Tubular Poles, High Masts, Conical Poles, Polygonal Poles, Solar Structures and Crash Barriers. Manufacture & Supply of Hot Rolled Steel Products such as Angles, Channels, Joists, Beams, Strips, Flats

#### HEAD OFFICE

001 Head Office:

3A, Loudon Street, Kolkata - 700 017, West Bengal, India

Gate No. 1, Jalan Complex, NH6, Village: Jangalpur, Post: Andul Mouri, District: Howrah - 711 302, West Bengal, India

Gate No. 1, Jalan Complex, NH6, Village: Jangalpur, Post: Andul Mouri, District: Howrah - 711 302, West Bengal, India

Uluberia Unit:

NH6, Village: Madhabpur, Post: Uluberia, District: Howrah - 711 303, West Bengal,

Village & PO: Barunda, Post: Bagnan, District: Howrah - 711 303, West Bengal, India

Alvn Franklin Chief Executive Officer (on behalf of Alcumus ISOQAR)

alyn Falch



Alcumus ISOQAR Limited, Alcumus Certification, Cobra Court, 1 Blackmore Road, Stretford, Manchester M32 0QY. T: 0161 865 3699 F: 0161 865 3685 E: isoqarenquiries@alcumusgroup.com W: www.alcumusgroup.com/isoqa This certificate is the property of Alcumus ISOQAR and must be returned on request.



Would you rather partner with a company which has repeatedly won the trust of every single customer or one that looks for short-term gains?

## Consider us.

At Skipper Limited, we believe that the customer's project is OUR project and we are always ready to go the extra-mile to ensure we become the partner of choice to every buyer. Our customers and partner endorsements speak for themselves.



"Over the years M/s Skipper has emerged as one of the most reliable and trusted business partners in our journey of growth with excellence in T&D sector. We are a strongly bonded team today, collaborating right from bidding, winning and till successful execution of many challenging domestic and international T&D projects. With this positive and proactive approach, I have no doubt in saying that they will continue to have phenomenal growth." – Mr. Vivek Gautam, Chief Operating Officer, Tata Projects Limited



"Over the past six years, Skipper has supplied 400 kV and 765 kV Transmission Towers to 7 of EMC's transmission projects. Their quality and commitment is quite good and we wish to take them as our preferred supplier in future also." -RK Shah, President, EMC Ltd.

#### Ranjit Singh & Co

"We are happy to have Skipper as a JV partner in 4 major TransmissionProjects. Their product quality is excellent and their approach is highly professional and ethical." -BS Gill, Managing Partner, Ranjit Singh & Co.





"Skipper is one of our most dependable Tower partners and we look forward to our association growing from strength to strength." -SC Jha – SBU Head & VP, Tata Projects Ltd.

#### shyama power

"Congratulations Skipper for successfully executing supplies for the difficult Multi-Circuit Towers (average tower weight more than 60 MT) to our Gaya-Kodarma T/L Project. We've found Skipper to be a reliable and quality-conscious manufacturer and look forward to working with them again." -Santosh Thakur, Director – Shyama Power India Ltd.

#### RAMBOLL

"Skipper has been a Ramboll manufacturing partner for more than 6 years and we have found them to be a fair and transparent Organization. We wish them all the best in their future endeavours." -Trond M. Bredesen, COO – Ramboll Towers India & Global Production Director



## an-power!



Would you rather select a company that that has resident intellectual capital or one that outsources most of its research and knowledge requirements to independent consultants?

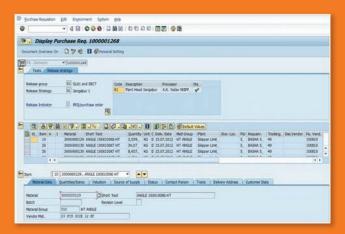
## Consider us.

At Skipper Limited, resident intellectual capital is the main driving force. Automated systems, integrated IT platforms and the access to real-time data enables smooth and seamless processes and delivery schedules. We run SAP across our company and also have a focused ERP for Tower production – Lighthouse.

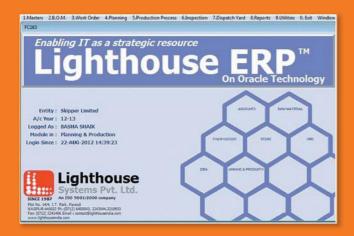
The company has three state-of-the-art PGCIL – approved plants in Junglepore and Uluberia on NH-6 Kolkata, West Bengal, India.

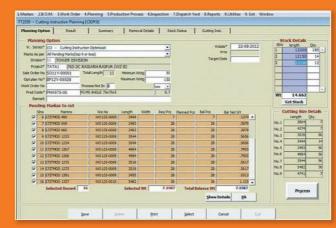
#### **SAP SCREENSHOT**

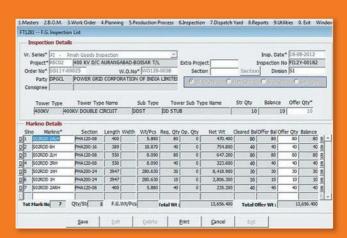




#### LIGHTHOUSE SCREENSHOT









## Barcoding System

Skipper has introduced barcoding facility for tower supply for the first time in India . Our ultimate goal is to minimize the pain points of customer pertaining to material management and planning at all locations, which ensures 100% receipt of materials as delivered. Key features of barcoding system have been listed below:

#### **Key Features:**

- » Real time information sharing on materials supplied
- » Consolidated information sharing on materials supplied
- » Easy access to information pertaining to materials supplied
- » On line information sharing
- » No hardware or software requirement at site
- » Hassle free joint verification can be carried out

#### Benefits to customers:

- » Ensuring "Zero shortage" of materials supplied and received at site
- » Hassel free joint verification can be carried out
- » Efficient materials management (sorting, bundling and storage) at site.
- » Minimal time required as compared to physical joint verification
- » Ensuring efficient material handling and tracking from delivery to erection of towers.







## **Other Products**

## Monopole T

A pioneer, Skipper Limited is the largest Monopole designing and manufacturing facility in India, armed with global expertise and intellectual capital. It has an application of upto 400 kV in Transmission Towers and for heights of up to 40 metres for Telecom Towers.



Skipper has state of the art facility for production of all types of ground based telecom towers and monopoles. With the advent of newer technologies skipper is also currently supplying various kinds of camouflaged towers which are basically monopoles made to look like palm tree, pine tree etc. We are already supplying tubular/Angular/Hybrid towers to various clients.

### Poles

Skipper's strength as a pole manufacturer and distributor ensures that its products fi nd use in Power Transmission, Distribution and Lighting projects across India as well as in Gulf and African countries. Products manufactured include Tubular Swaged Poles, High Mast Poles, Octagonal Poles and Monopoles. The durability and quality of Skipper poles ensure reliability, durability, and ease of installation.

#### Railway Electrification

The company is gearing up to sharpen its focus on Railway electrification and intends to increasingly start bidding for such projects in strategic alliance with local private players initially. The company is in the process of adding more manpower and building capacities to handle all future railways related projects.







#### **Registered Office:**