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DEC 2022 – DEC 2023
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POLES
APART



Skipper Ltd, established in 1981, is a 300 million USD company and the flagship entity of S.K. Bansal Group. We have over 4 decades of experience in manufacturing various value-added steel products such as Telecom Towers and Monopoles, Transmission line monopoles, distribution poles, octagonal and conical lighting poles and masts and swaged tubular poles.

We proudly stand as one of the pioneers of manufacturing monopoles in India and among the leading manufacturers of a wide range of high quality poles with an exhaustive product basket, in the country. Our team offers a completely integrated Monopole solution.

WHY SKIPPER?

- ✔ State of the art Manufacturing Facility with more than 3,00,000 MT production capacity
- ✔ Only manufacturer to have NABL Accredited and DSIR recognized R&D Centre and Tower Testing Station
- ✔ Only company in India to have type tested 400kV D/C Quad Moose and 765kV S/C Hexa Zebra Monopole
- ✔ Apart from a Pan India presence, Skipper is also present in Southeast Asia, Middle East, Africa, Europe, South America and Australia



DID YOU KNOW?



The Galvanizing plant installed at Skipper's Uluberia premises is one of the largest in the country. The plant is supplied by one of the leading furnace manufacturers in the world called Protherm, based out of UK. The plant is powered by 4 high velocity burners with thermocouples placed at strategic locations across the zinc tank to precisely control the bath temperature. Alongwith high velocity burners, deeper kettle also ensures uniformity of the bath temperature which in turn ensures uniformity in zinc coating across the entire length of the product.



Skipper Limited is ISO 14001 and 18001 certified. We ensure that safety is given the first priority at the shopfloor. Use of PPE such as safety helmets, shoes, nose masks, goggles, ear plugs etc. are used by workers during work. Skipper has an EHS committee that carries out safety checks, audits and devises safety plans to minimize accidents or near misses at work zone. Safety training is mandatory for any new person coming to the plant. Apart from general awareness training sessions are also carried out.



Only company having designed, manufactured and type tested 765kV D/C Monopole (both Suspension and Tension).



Skipper Ltd. 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.



TESTING AND VALIDATION

Skipper Limited has commissioned their DSIR recognized and NABL accredited Transmission line tower and Monopole R&D center and Testing Station at Kolkata

The test station has the capability to test transmission towers up to 110m height, 35 x 35 sq. m base width and transmission line Monopole with 60,000 kN-m bending moment



Our main aim is to keep in line with the latest technological advancements in the industry while manufacturing lean and also upgrading our facilities in line with the latest contemporary production mandates



VISION

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



MISSION

Skipper aims to continue adding value to its products and services and live up to the expectations of the global demands. It is also working towards using more and more renewable sources of energy to reduce carbon footprints. For Skipper, client satisfaction is very important. We always put our best efforts to offer you an exclusive range of products. We work according to the preference of our client. We take all the essential steps to ensure that you get the product on time



Monopoles replace traditional lattice structures especially in places where zoning is difficult. Monopoles have negated the challenges associated with Right of Way for Transmission line especially in urban areas



MONOPOLE MANUFACTURING

We manufacture and supply Distribution and Transmission line Monopoles ranging from 11 kV to 765 kV



ADVANTAGES

- ✓ Small footprint
- ✓ Smaller civil foundation
- ✓ Aerodynamic shape ensures low air resistance
- ✓ Aesthetically pleasing design
- ✓ Higher reliability under extreme and high wind conditions



FEATURES

- ✓ Direct embedded, Caisson, Pile or Raft Foundation
- ✓ Slip Jointed or Flange Jointed Poles
- ✓ Monopoles, H – Frames, Y Structure, Tubular substation structures or any required design
- ✓ Galvanized or Weathering Steel

APPLICATIONS

- ✓ Upgrading voltage level within existing corridor
- ✓ Utility shifting due to limited availability of space and time
- ✓ Height increase for New flyover, highway or railway crossing



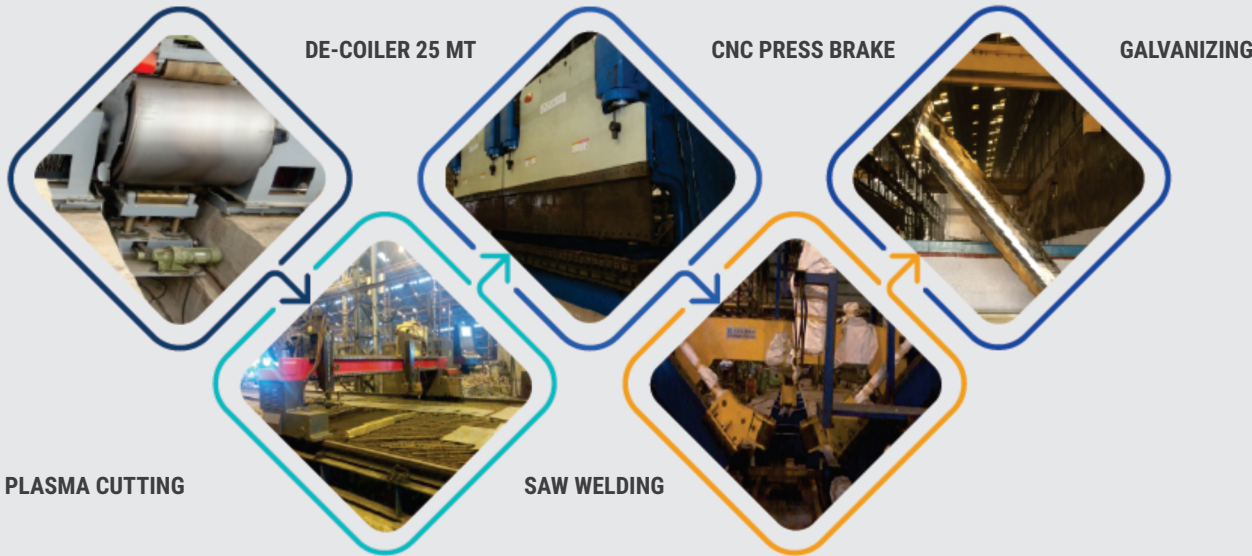


DESIGN AND ENGINEERING

With a highly efficient design team based in Kolkata, Skipper offers design and development of Monopoles for Transmission line. Our team works with licensed design software such as PLS CADD, PLS Pole, CASSION, STADPRO and AUTOCAD for monopole structure and foundation designs.

We provide solutions in accordance with specific industry and site requirements. We also assist in reversing the paradigm and providing consultancy services to customers, educating them about the most suitable product depending on their requirements.

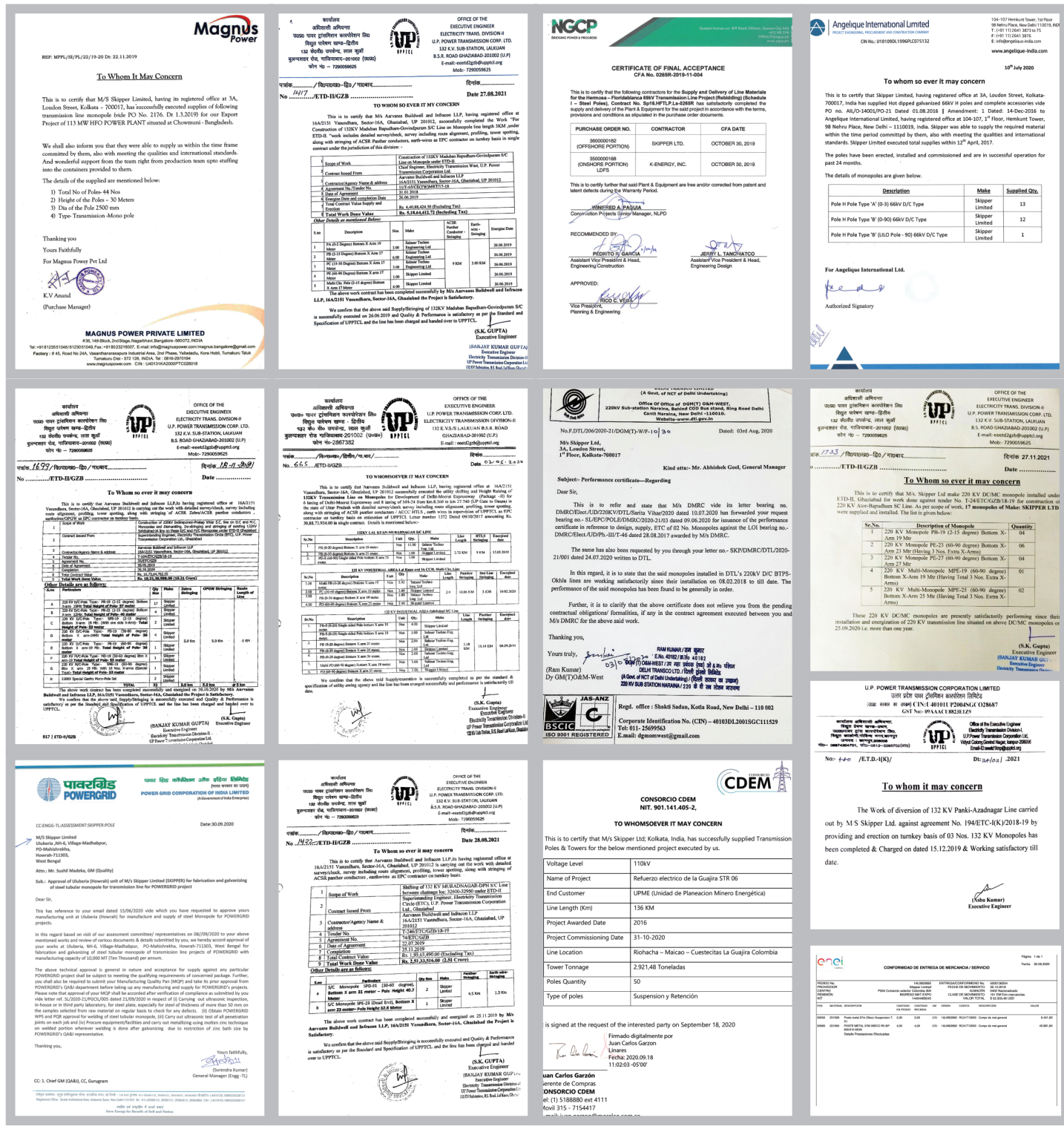
MANUFACTURING PROCESS



High standards of quality consciousness and awards such as



Few of our
COMPLETION CERTIFICATES



**OUR
WORLD
CLASS
FACILITY**



01 Hi-definition CNC Plasma

High definition 56 m long plasma bed ensures quick, efficient and accurate cutting of steel sheets into tapered trapezoidal shapes for manufacturing pole shafts. Apart from pole cutting hi-def plasma ensures accurate cutting of various kinds of accessories to be used for monopole and cross-arm fabrication

02 2400-tonne press brake

Our 2400-tonne press brake measuring 12 m long can bend 2mm thick HT plates suitable for most of the monopole voltage levels and design

03 Welding machine (SAW)

Semi automated CNC hydraulic based SAW machine for seam welding monopole sections of large diameters. Fully trained and AWS/ASME/CWB certified team of welders ensure high quality defect free seam welding

04 Galvanizing bath

Skipper offers superior quality galvanization of poles as per various domestic and international standards such as IS, BSEN 1461, ASTM A123 or equivalent, using a captive 12.3m x 2.6m wide x 3.0m deep galvanizing bath with an enclosed room 7 tank pre-treatment process

