

Tower

Towers are one of the important components for telecom or transmission industry. Towers are exposed to adverse weather and wind conditions so it shall be designed as per load requirement and environmental conditions. Towers are galvanised to give it long life and provide protection from rust. Tower manufacturing process involves design, GA drawing, BoM finalisation, Material procurement as per BoM from reputed and recommended source, Raw material check and lab test, fabrication and in-process checks, galvanising and in-process check, final material inspection, packing and despatch.

TNS ISO 9001 Certified Tower Plant



Our Facilities:

Variety of Machinery and GI plant to produce quality galvanized fabricated structures used in telecom towers or any other structure.

- Well equipped machine workshop with press machines, Hydraulic Presses, foundation bolt threading machines.
- Well equipped welding workshop with Mig welding machines, DC rectifier welding machine, Arc welding machines, Heavy duty drilling machines.
- In house foundation bolt fabrication section
- In house fully operational maintenance workshop with lathe, surface grinder, milling machine and multi spindle drilling machine.
- Furnace oil fired 15m x 55m GI Pant with 7m zinc bath, high speed over head cranes.
- ETP plant to process waste material from GI plant.
- Well equipped test lab with UTM.
- Standby supplies from DG sets
- Loading and Unloading mobile cranes with 10MT capacity

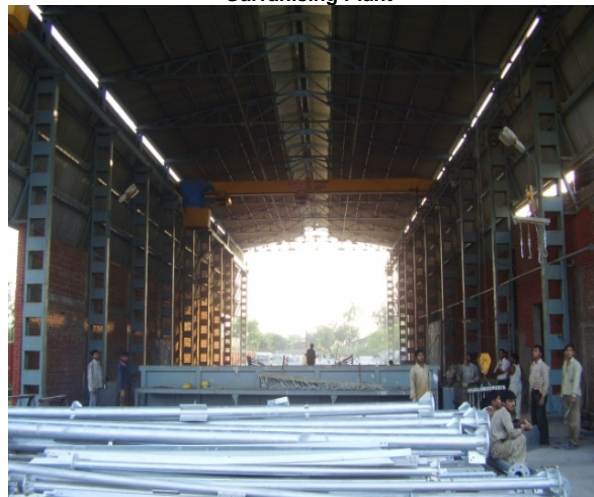
Existing Products:

Sl. No	Specs.	Tower Code											
		A01	B02	C03	D04	E05	H08	J10	K11	N14	O15	P16	S19
1	Type	GBT, Hybrid	RTT, Hybrid	GBT, Angular	RTT, Angular	GBT, Angular	RTT, Delta	GBT, Angular	RTT, Angular	GBT, Angular	GBT, Angular	GBT, Angular	GBT, Angular
2	Height	30-60m	09-24m	30-50m	12-24m	30-80m	9-18m	30-50m	12-30m	30-100m	30-70m	30-60m	30-60m
3	Wind Speed	170 Kmph	170 Kmph	170 Kmph	170 Kmph	180 Kmph	170 Kmph	170 Kmph	170 Kmph	170 Kmph	170 Kmph	200 Kmph	170 Kmph
4	Base Size	50m-7.714m	15m-1.9m	50m-5.367m	15m-3.022m	50m-6.616m	3Leg-1.6m/6Leg-3.2m	50m-6.1m	15m-1.689m	50m-6.293m	50m-6.201m	50m-7.96m	50m-6.98m
5	Weight with all accessories	50m-11.403 MT	15m-1.92 MT	50m-8.086MT	15m-3.304MT	50m-14.61MT	15m-1.70MT	50m-10.13MT	15m-1.68MT	50m-13.46MT	50m-10.39MT	50m-14.80MT	50m-12.63MT
6	Antenna Loading	GSM-09, 0.6D-04, 1.2D-02, 1.8D-02	GSM-09, 0.6D-06, 1.2D-04	GSM-06, 0.6D-04, 1.2D-02	GSM-06, 0.6D-04	GSM-06, 0.6D-02, 2.4D-04	GSM-06, 0.6D-02, 1.2D-01	GSM-06, 0.6D-04, 1.2D-02	GSM-06, 0.6D-04, 1.2D-02	GSM-06, 1.2D-03, 1.8D-03, 2.4D-02	GSM-06, 0.6D-04, 1.2D-03	GSM-18, 0.6D-08, 1.2D-10	GSM-06, 1.2D-03, 1.8D-03, 2.4D-02
7	No. Of Mounts	GSM-09, 0.6D-04, 1.2D-02, 1.8D-02	GSM-09, 0.6D-06, 1.2D-04	GSM-06, 0.6D-04, 1.2D-02	GSM-06, 0.6D-04	GSM-06, 0.6D-02, 2.4D-04	N/A	GSM-06, 0.6D-04, 1.2D-02	GSM-06, 0.6D-04, 1.2D-02	GSM-06, 1.2D-03, 1.8D-03, 2.4D-02	GSM-06, 0.6D-04, 1.2D-03	GSM-09, 0.6D-08, 1.2D-10	GSM-06, 1.2D-03, 1.8D-03, 2.4D-02
8	No. Of Platforms	W-1, R-2	W-1	W-2, R-1	W-2, R-1	W-3, R-4	W/R-1	W-2, R-3	W-3	W-2, R-9	W-2, R-6	W-2, R-3	W-2, R-1

References of IS Codes: Following IS codes are followed for fabrication and galvanisation of tower structures:

1. Wind : IS 875 latest
2. Tower Design : IS 802 latest
3. Nuts & Bolts : IS 6639 & IS 1367 latest
4. Steel Grade : IS 2062 latest
5. Galvanising : IS 4759 latest
6. Foundation : IS 456 & IS 11233 latest
7. Steel Structure : IS 800 latest
8. Steel Pipes : IS 1161 Grade YST
9. Zinc for Galvanizing : IS 13229

Galvanising Plant



ISO 9001 Certified

TNS
telecom network solutions

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