

Roof Top Cell Towers



Roof Top Towers Design & Supply

Qualified and competent in-house design teams at Aster are proficient in designing and developing all types of towers using relevant and latest software that use national standards.

ATPL has seven tower manufacturing units with total production capacity of 170,000 MT per annum, spread through three strategic locations of Hyderabad, Raipur and Vadodara. This ensures cost effectiveness and proximity to the customer site locations .

Equipped with state-of-the-art technology and machinery for Tower Manufacturing and allied Structural Fabrication Facilities and with significant technical expertise, Aster builds solutions that are fast and reliable.

Based on Design of Tower

- Square Angular Tower
- Tri-Angular Tower
- Polygonal Tower
- Monopoles
- Guyed Masts

Based on type of Material Sections

- Angular Towers
- Tubular Towers
- Hybrid Tower

Designs Capabilities

Sl No	Description	Base Width C/C	Top Width C/C	Antenna Loading	Wind Speed	Approval
TUBULAR ROOFTOP TOWERS						
1	25m Tubular	3000mm	1500mm	M/w 1.2-3+ M/w1.8-1+3.0m-2 + 6 GSM	200KMPH	SERC-CHENNAI
	22m	2800				
	19m	2600				
	16m	2400				
	13m	2200				
2	25m Tubular	3000mm	1500mm	M/w 1.2-2+ M/w1.2-2 + 6 GSM	180KMPH	SERC-CHENNAI
	22m	2800				
	19m	2600				
	16m	2400				
	13m	2200				
3	30m Tubular	4000mm	1500mm	M/w 1.2-2+ M/w0.6-2 + 6 GSM	180KMPH	SERC-CHENNAI
	27m	3750				
	24m	3500				
	21m	3250				
	18m	3000				
	15m	2750				
	12m	2500				
	9m	2250				
4	18m Tubular TOWER	2100mm	1500mm	M/w0.6-2 + 9 GSM	180KMPH	SERC-CHENNAI
	15m Tubular TOWER	1950mm	1500mm	M/w0.6-2 + 9 GSM	180KMPH	
	12m Tubular TOWER	1800mm	1500mm	M/w0.6-2 + 9 GSM	180KMPH	
5	9m Tubular TOWER	1500mm	1500mm	M/w 1.2-1+ M/w0.6-1 + 3 GSM	180KMPH	SERC-CHENNAI
6	9m Tubular TOWER	1500mm	1500mm	M/w0.6-2 + 9 GSM	180KMPH	SERC-CHENNAI
ANGULAR ROOFTOP TOWERS						
1	30m Triangular Angular	3250mmB/B	1500mm	M/w0.6-3 + 12 GSM	210KMPH	SERC-CHENNAI
2	18m Triangular Angular	2013mm	1200mm	M/w0.6-3 + 6 GSM	210KMPH	SERC-CHENNAI
	15m	1741mm				
	12m	1470mm				
	9m	1210mm				
3	30M Square Angular	2924mm	1500mm	6-GSM, 4-0.6M/W, 2-1.2M/W	180kmph	IIT-CHENNAI
	27m	2709				
	24m	2515				

SI No	Description	Base Width C/C	Top Width C/C	Antenna Loading	Wind Speed	Approval
	21m	2301				
	18m	2086		FOS 1.5		
	15m	1876				
	12m	1671				
4	24m Square Angular	3278mm	1600mm	M/w 1.2-2+ M/w0.6-2 + 6 GSM	180KMPH	SERC-CHENNAI
	21m	2890				
	18m	2540				
	15m	2190				
	12m	1840				
	9m	1840				
5	25m Square Angular	3100mm	1200mm	M/w 1.8 -2+ M/w0.6-2 + 8 GSM	250KMPH	SERC-CHENNAI
	22.5m	2900				
	20m	2700				
	17.5m	2500				
	15m	2300				
6	25m Square Angular	1900mm	750mm	M/w 1.2 -3 + 3 GSM	200KMPH	SERC-CHENNAI
	20m	1650				
	17.5m	1525				
	15m	1400				
	12.5m	1300				
7	24m Square Angular	2540mm	1200mm	M/w 0.6 -4 + 6 GSM	170KMPH	SERC-CHENNAI
	21m	2340				
	18m	2140				
	15m	1940				
	12m	1740				
8	27M Triangular Angular	2800mm	1000mm	6-GSM & 2-0.6M/W	210kmph	SERC-CHENNAI
	24m	2536				
	21m	2266				
	18m	2009				
	15m	1739				
	12m	1475				
	9m	1203				
9	30M Square Angular (Type 1)	2930mm	1500mm	6-GSM, 4-0.6M/W	170kmph	SERC-CHENNAI
	27m	2716				
	24m	2501				
	21m	2281				
	18m	2066				
	15m	1855				
	12m	1640				
	9m	1500				

SI No	Description	Base Width C/C	Top Width C/C	Antenna Loading	Wind Speed	Approval
10	30M Square Angular (Type 2)	2930mm	1500mm	6-GSM, 2-0.6M/W, 2-1.2M/W	170kmph	SERC-CHENNAI
	27m	2716				
	24m	2501				
	21m	2281		FOS 1.5		
	18m	2066				
	15m	1855				
	12m	1640				
	9m	1500				
11	30M Square Angular	2910	1500mm	6-GSM, 4-0.6M/W, 2-1.2M/W	180kmph	SERC-CHENNAI
	27m	2705				
	24m	2500				
	21m	2300				
	18m	2095		FOS 1.5		
	15m	1880				
	12m	1670				
12	30M Tri Angular Angular	3069mm	1000mm	6-GSM, 4-0.6M/W, 2-1.2M/W	180kmph	IIT-CHENNAI
	24m	2538				
	21m	2278		fos - 1.1		
	18m	2008				
	15m	1737				
	12m	1473				
13	30M Square Angular	2910mm	1500mm	6-GSM, 12-0.6M/W, 12-1.2M/W	180kmph	SERC-CHENNAI
	24m	2490				
	21m	2272		fos - 1.5		
14	24M Square Angular	2443mm	1500mm	6-GSM, 6-0.6M/W, 2-1.2M/W	170kmph	IIT-CHENNAI
	21m	2256				
	18m	2056		fos - 1.2		
	15m	1860				
	12m	1660				
15	24M Square Angular		1500mm	9-GSM, 2-3.0M, 2-1.2M/W, 1-2.4M, 1-1.8	170kmph	IIT-CHENNAI
	21m					
	18m			fos - 1.5		
	15m	2678mm				
	12m	1760				

SI No	Description	Base Width C/C	Top Width C/C	Antenna Loading	Wind Speed	Approval
16	24M Square Angular	2943mm	1500mm	12-GSM, 4-0.6M/W, 4-1.2M/W	170kmph	IIT-CHENNAI
	21m	2643				
	18m	2343		fos - 1.2		
	15m	2060				
	12m	1760				

