



### Product portfolio

#### Design, Manufacture & Supply of

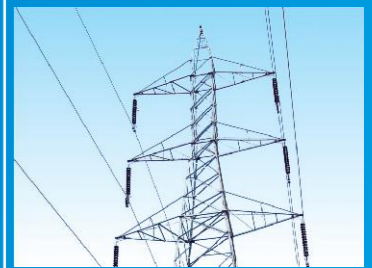
Transmission line towers, Telecom towers, Monopoles, Special structures for Broadcasting and High masts. Power distribution and Street lighting poles.

#### Design, Manufacture & Supply of

Pre-engineered buildings like Warehouses, Factories, Schools, Offices.

#### Manufacture & Supply of

Sub Station Structures  
\*Battery Bank - under long term manufacturing tie up.  
Transformers



### Aster Private Limited International Business Operations

Plot # 10, 1<sup>st</sup> Floor, Laxmi Towers  
Dr.AS Rao Nagar  
Hyderabad – 500 062  
India.

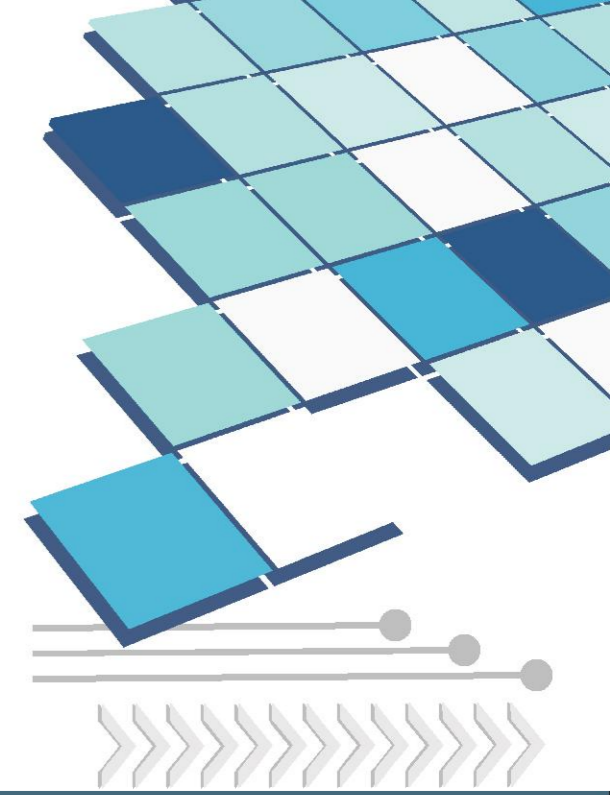
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Secunderabad – 500 094  
India.

## The Company

Aster, established in 1998, is a professionally driven infra engineering company providing a wide range of products and engineering services, Primarily in the power, telecom and industrial infrastructure segment.

An ISO 9001&2008 certified company, Aster's focus on quality, on time delivery and cost control have enabled us to reach where we are today. With our footprints extending beyond India, across Asia, middle east and Africa region. Aster is managed by a dedicated team of professionals. Aster's management believes and lives by people empowerment and respect for each member of our team.



### Vision

"Achieve Performance Excellence" We will continuously strive to exceed our customers' expectations. We will deliver products, solutions and services that are optimum to meet all customer requirements. We achieve performance excellence in all endeavors.



### Mission

- To provide services to our Customers in time and adapt to their changing needs
- Be a quality conscious valued supplier of products, solutions and services Empower Employees
- Be an equal opportunity employer and provide all employees with a platform for Growth and Leadership
- Maintain high standards of Corporate Governance
- Constantly strive to enhance shareholder value



### Quality policy

Appreciate and accomplish customers' requirements and offer optimal solutions



### Values

- Commitment to Customers, Employees and Shareholders
- Ethical behavior
- Respect for every individual
- Aversion to waste
- Lead by example

## Power Transmission and Telecom Towers

Design / Manufacture

### Manufacturing Capabilities

Aster has the capability to execute projects from basic design to detail engineering, fabricate and test of prototypes and product manufacturing

Aster design team includes qualified and well experienced engineers and are equipped with latest software packages and required hardware tools

### For designing we use

- iTOWERS Designer mw
- iTOWERS Designer tl
- PLS Tower

### Design standards conformed to

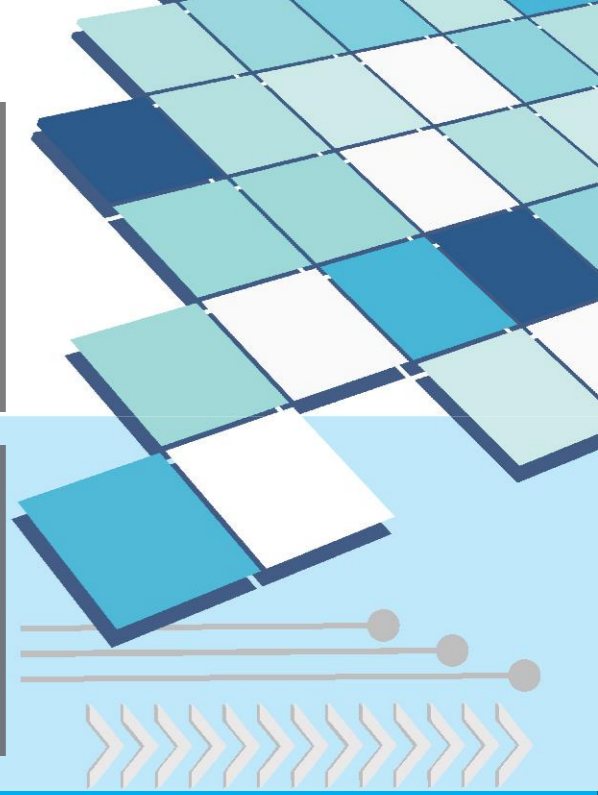
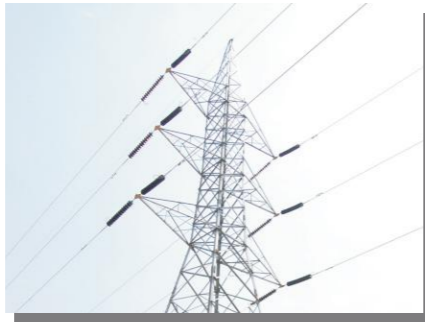
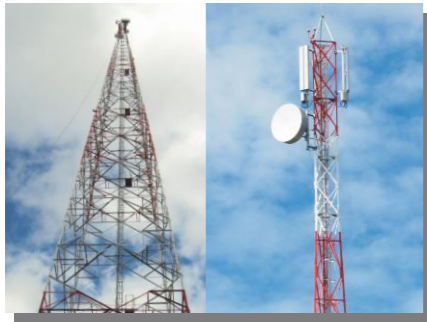
- IS 878:1964, IS 800:1984 and IS 802:1984 Indian
- EIA/TIA 222-G Telecommunications Industry Association
- ET 48-05 American
- SABS South African

### For detailing

- Bacad-3D

We optimize Tower designs leading to total economy for the customers. Whenever customer seeks, validation of designs and testing is carried out by third party agency.

Aster has 5 facilities for Tower manufacturing along with integrated galvanizing plants. The total capacity of these plants is 142,320 MT per annum.



## Towers - Telecom and Power Transmission

### Product Range

- Lattice Transmission Towers upto 1200 KV
- Lattice/Tubular Cell Towers upto 100 meters
- Broadcast Towers upto 170 meters
- Guyed masts upto 500 meters
- Windmill Towers upto 100 meters
- Lattice/Tubular Substations

### Based on cross section of tower

- ▶ Square Towers
- ▶ Triangular Towers
- ▶ Delta Towers

### Based on type of sections

- ▶ Angular Towers
- ▶ Hybrid Towers (Legs with tubes and bracings with angles)

### Based on placement of tower

- ▶ Ground Based Towers
- ▶ Roof Top Towers

## PEB Infrastructure

### Products/Services

Pre-Engineered Metal Buildings- Design, Fabrication & Installation, engineering fabrication

### Strengths

High skilled manpower- Design, detailing, manufacturing & project management

### Location of Production Facility

Located at Bhoothpur (Andhra Pradesh it is about 100 kms from Hyderabad).

### Capability of Production Facility

State of the art production facility with an installed capacity of 30,000 MTPA. Land area is about 1,50,000 SQM with a covered production area of 22,440 SQM.

### Type of Machineries

CNC shearing, CNC Profile Cutting, H-Beam welding, CNC controlled Z&C Purlin line, CNC roof & wall panel line.

### Applications

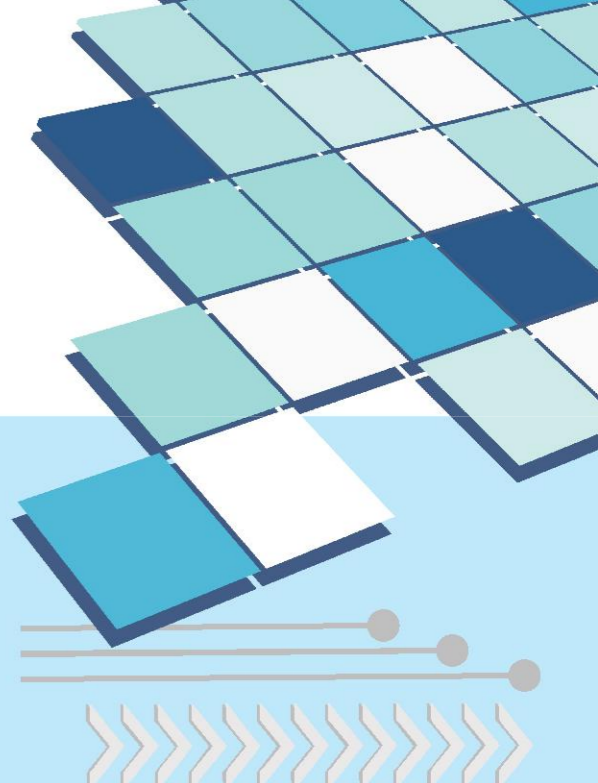
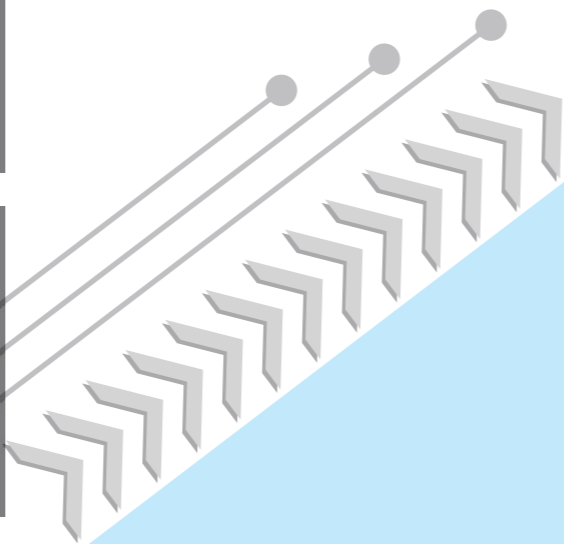
- Warehouses / industrial sheds
- Factories / workshops/dry dock super structures
- Cold stores
- Railway station buildings
- Offices, schools, hospitals, site offices
- Multi-storied commercial buildings
- Shopping malls
- Gas stations, aircraft hangars
- Sports and other recreational facilities

### Benefits

- Faster installation
- Cost savings on overall investment
- Factory-controlled quality
- Practically maintenance free
- Up to 90 m clear spans without interior columns
- Flexibility in expansion
- Energy efficient roof and wall systems
- No restriction on size, shape, location
- Single point delivery of the entire building
- Heat, fire & sound proof solutions
- Earthquake-resistant
- Installation requires no water, welding, or cutting @ site

### ABSPL Products

- Pre-engineered steel buildings
- Cold-formed steel buildings
- Sandwich panels
- Component sales: sheeting, Z & C sections
- Heavy structural fabrication & specialized structures.



## Poles

Aster has a state of the art Pole (multifaceted) manufacturing facility along with an integrated galvanising plant. The total capacity of this plant is 30,000 MT per annum.

### High Mast range from 12m to 60m

#### Application

- Junction lighting
- Yard lighting
- Windmill mast
- Stadium lighting
- Airport lighting
- Sea port lighting

### Octagonal Poles range from 3m to 14m

#### Application

- Street lighting
- Highway lighting
- Park/Garden lighting
- Factory lighting
- Sign boards

### Monopoles range from 6m to 60m

#### Application

- Power Transmission
- Telecommunications
- Radio Communications

## Aviation Lamp

With its unique Electronic and Mechanical design makes it safe, reliable, highly productive and resistant in extreme conditions (as per specifications of ICAO [International Civil Aviation Organization]), long life, all with zero maintenance cost.

The special technology of high intensity LEDs (Red-Super bright view), makes it energy efficient. Input Voltage 80-270V AC

## Transformers

Aster offers a range of oil filled distribution transformers from 16 KVA to 150 KVA, with system voltages between 11 kV and 33 Kv to meet the needs of public utilities, organizations, turnkey projects and private industrial sector.

## VRLA Batteries

Under long term manufacturing tie up

Batteries for Telecom industry (fixed line operators, cellular service providers, switch & exchange OEMs) and Railways

### Spectrum of applications include

- Telecommunication
- Power plants
- Standby Equipment
- Process & Service industry
- Defense