



GLOBAL STEEL AND ENGINEERING LTD.

Address:

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Products:

Transmission & Telecom Tower:

- Power Transmission Line Tower
- Radio & Telecom Tower
- Sub-station Structures (Gantry)
- Railway Electrification Tower
- Radar Towers
- Roof Top Towers
- Lattice Steel Structures
- Steel Monopoles, Ra Poles, Lamp Poles etc.

Hardware & Fittings:

- Insulator String Fittings
- Conductor Accessories
- Vibration & Spacer Dampers
- OPGW Fittings
- Fittings and Accessories for Substations
- Fittings for Power Distribution Lines
- Fittings & Accessories for Railways Electrifications

Design & Engineering:

Design Tools:

- MS-Tower
- PLS-Tower
- Bocad- This software enables us to prepare drawings. The CNC data from the drawings can be transferred on time automatically from Bocad system to machines.
- Auto Cad

Manufacturing:

- The plant has integrated facilities from Design, Engineering, Fabrication, Galvanizing and Testing of the Transmission Tower parts as per international standards.
- High-end CNC machines are utilized in almost all processes, which provide high productivity, reliability and quality of the product.
- Manufacturing processes include Cutting, Punching, Stamping, Notching, Bending, Heel Grinding, Punching/Drilling, Pickling, Galvanization and Chromate Coating.
- The Testing Lab is equipped with the latest facilities to carry out routine tests like ultimate strength, yield stress, impact testing, chemical testing etc.

Production Planning Control (PPC):

This unit monitors and controls the entire manufacturing process—from ordering of raw materials through fabrication, galvanizing, packing and delivery.

The PPC checks customer specific requirements, plant capacity, jobs on hand, delivery schedule of the ongoing jobs.

Fabrication:

The facility allows for manufacturing of complete towers under one roof. It is equipped with state-of-the-art CNC machinery.

Shop Assembly (Tower Proto Check):

This unit checks the erection of proto towers. Proto type tower assembly is done prior to mass production by our experienced erection crew which is responsible for checking every part of the tower to ensure every member and connection is in conformance with the approved drawings.

Quality Control:

Types of testing done for tower:

- *Spectrometer* - It is used for chemical analysis of metals.
- *Lab Testing* - We have a state-of-the-art Chemical Lab which is used to analyze the chemicals used in our plant, water etc.

Testing Facility:

Manufacturer: Fuel Instruments & Engineers Ltd. (FIE)

Machine: Digital Universal Testing Machine

Capacity: (0-1000) KN

Supporting Departments:**1. Workshop Facility:**

Name of Machine	Quantity
Electro Discharge Machine	1 Unit
Surface Grinding Machine	1 Unit
Cylindrical Grinding Machine	1 Unit
Vertical Milling Machine (CNC):	1 Unit
Vertical Milling Machine	1 Unit
Lathe Machine	4 Unit
Shaper Machine	1 Unit

2. *Utility Facility:*

Name of Machine	Brand	Capacity
Pump	Lafert	126 KW
Effluent Treatment Plant (ETP)	Pedrollo	20 KW
Generator	Ferbo	1640 KW
Compressor	Atlas Copco	90 KW
Sub-Station 33/11 K Transformer	Energy Pac	4000 KVA to 2000 KVA

Area:

Total Factory Land Area: 30 Acres

Tower Fabrication & Galvanizing Shed: 81,000 Sft

Hardware Manufacturing & Galvanizing Shed: 36,000 Sft

Raw Materials Store: 54,000 Sft

Hardware Finished Goods Store: 8,000 Sft

Chemical Store: 3,200 Sft

Proto Assembly Bed & Finished Goods Stockyard (Tower): 200,000 Sft

Lead Time for Delivery:

45-60 days from the date of contract signing

Manpower (Optimum Production): 600 persons

Manpower at Detailing Section:

- Graduate Engineer: 1 Person
- Diploma Engineer: 3 Persons

Clients:

Fujikura

FEPEC (Fujian Electric Power Engineering Ltd.)

LG CNS

GS Engineering & Construction

KEC International Ltd.

Grameen Phone Ltd.

LS Cable & Systems Ltd.

Beximco Engineering Ltd.

Summit Power Ltd.

EnergyPac Engineering Ltd.

Doreen Power Generations and Systems Ltd.

PGCB

BREB

BPDB

Max Power Ltd.

United Power Ltd.

Eco Bangladesh Ltd.

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