



**TITLE: 2X660 MW ENNORE SEZ STPP, AT
ASH DYKE OF NCTPS, CHENNAI**

SCOPE OF WORK

**SPECIFICATION NO. IS-4-TS-688-108-C280A
R0- VOLUME - II B**

SECTION - A

REV.NO. 01

SHEET 1 OF 3

**2X660 MW ENNORE SEZ STPP, AT ASH DYKE OF
NCTPS, CHENNAI**

**COVERED SHED
FOR COAL STOCK YARD**

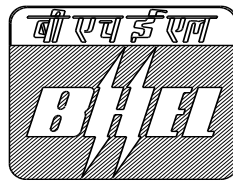
VOLUME – II B

TECHNICAL SPEFICATIONS

**COVER SHED
FOR COAL STOCK YARD**

**SPECIFICATION NO.
IS-4-TS-688-108-C280A**

**SECTION - A
SCOPE OF WORK**



**Bharat Heavy Electricals Limited
Industrial Systems Group
IISc,Post
Malleswaram
Bangalore-560012**



**TITLE: 2X660 MW ENNORE SEZ STPP, AT
ASH DYKE OF NCTPS, CHENNAI**

SPECIFICATION NO. IS-4-TS-688-108-C280A
R0- VOLUME - II B

SECTION - A

REV.NO. 01

SHEET 2 OF 3

SCOPE OF WORK

1.0 SCOPE OF WORK:

Providing storage sheds, scope inclusive of Designing, supplying, fabrication, welding, handling, assembling & erection in position of tubular space frame structure, cladding sheets (roof and side sheeting) of two coal covered shed covering three coal stock piles using tubular steel sections conforming to IS 1161 / IS 4923 and Steel structural sections conforming to IS 2062-2006, Roof monitor if required shall be provided on full length as per the requirement.

Designing also includes:

- a) Preparation and submission of super structure designs and drawings of cover sheds, which includes steel structure connection designs & details.
- b) Preparation and submission of sub structure designs and drawings of cover sheds i.e., design pile layout, pile cap & pedestal design.
- c) Preparation & submission of design, documents and drawings to BHEL / TANGEDCO, obtaining approvals from M/s Desein Consulting Services and & TANGEDCO (customer).
- d) Preparation of manufacturing drawings, submission of Quality Plans of material quality plan, field quality plan, erection sequence and methodology.
- e) Fixing of lightening protection to shed including supply of fixing fasteners. However, supply of lightening protection strip is in BHEL scope.

Execution of RCC works i.e., Pedestal, Pile & Pile cap execution are in the scope of BHEL.

Structure shall be designed as per the design criteria furnished elsewhere in the specification.

Supply and fabrication works includes structural steel sections, tubes/pipes, plates, steel cones, props / end connectors / node connectors, side runners, purlins, cladding sheet (roof and side sheeting), gussets, bolts, foundations bolts, templates for foundation bolts (five numbers- for handing it over to civil agency for using it for erection of foundation bolts), fasteners, splice plates, base plates, stiffeners, gutters, rain water down comers, wind ties and other supporting systems, etc., all complete required for fabrication & erection of space structure for the adequate loads as per specifications elsewhere in this tender. Foundation bolts & templates shall be supplied immediately after approval of the drawings to enable civil agency to timely execute the fixing the foundation bolts in pedestals / columns.

Scope is also inclusive of transportation, threading, machining, straightening, cutting, bending, rolling, grinding, machining, drilling, welding, electrodes if any and other consumables, alignment, fasteners, erection bolts & nuts (if any required - weight of erection bolts, nuts and welds not payable extra and deemed to have been included in the offer), assembly, edge preparation, preheating (if any required as per codes & specifications), post heating, testing of welders, inspection of welds, visual inspection, non-destructive and special testing, rectification and correction of defective welding works, production test plate, inspection and testing, erection scheme, protection against damage in transit, stability of structures, installation of temporary structures, setting column bases, surface preparation by



**TITLE: 2X660 MW ENNORE SEZ STPP, AT
ASH DYKE OF NCTPS, CHENNAI**

SCOPE OF WORK

SPECIFICATION NO. IS-4-TS-688-108-C280A
R0- VOLUME - II B

SECTION - A

REV.NO. 01

SHEET 3 OF 3

means of manual or mechanical power tools as per relevant codes & specifications, touch-up painting, rectification, dismantling and removal of all temporary structures (weight of temporary structures not payable), etc all complete as specified elsewhere in this tender document . Leads and lifts up to all height, tools and plant, all necessary scaffolding, cranes of all capacities required as per the erection requirement, other supporting equipment like small capacity cranes, hydras, trailers, trucks, tractors etc. required for completion of work shall be arranged by the bidder.

General Structural arrangement of the shed, location of column and foundation load data table to be furnished to BHEL along with the technical bid. Concrete Pedestal shall be 1.5 M above the finished ground level. Spacing of the shed column shall not be less than 8m and more than 9m.

Rain water down comer shall be considered to drain the water collected b/w two shed and shall directed to peripheral drain of coal stock pile.

Basic Clear Dimensions to be maintained is given below and the same is furnished in the annexure No A-1 -II:

Sl.No	Structure	Length meters	in	Width meters	in	Height meters	in
1	Coal Cover Shed – 2nos	80		97.50		26 (min)	

Profile of the shed shall be selected in such a way that structure shall not interfere with the machines and their clearances. Clear clearance of 1.5 meter to be maintained from the equipment / machines.