

Visakhapatnam, Andhra Pradesh, India.

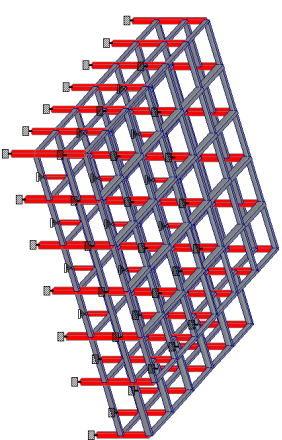
Warehouse for P71(IAC Spares) at MO(V), Navy



Scope of work includes Structural Design of following facilities to a total of 1.25Lakh SFT:

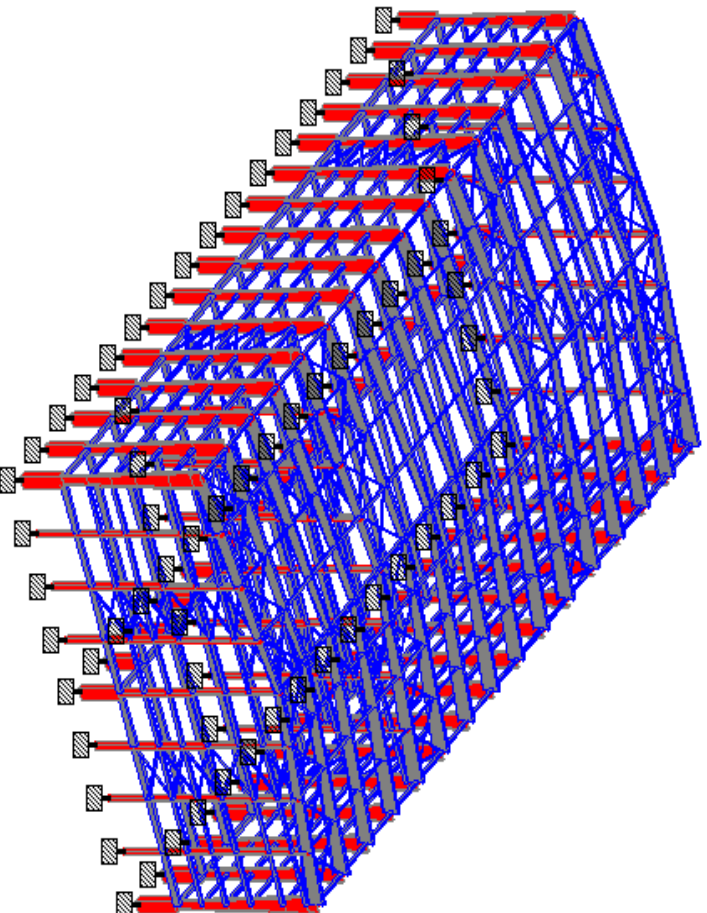
- Warehouse including AC Storage, AHU & AC Plant Room
- POL Store with Office Accommodation
- Acid Storage

Guard Room, Watch Towers, Pump House, UG Sump and Garrage Shed.



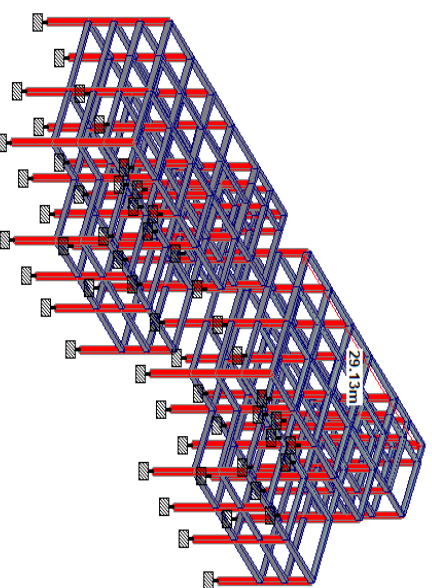
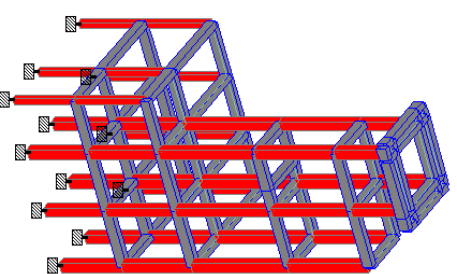
Though Project is located in Low Seismic zone, Wind Speeds are higher being Coastal area. The Structure is designed for Seismic Zone-2 to IS:1893 and Wind Speeds of 50m/sec with Cyclonic Factor.

Top Strata of Sub Soil is Sandy Clay and Geotech Report recommended 12 to 15T/sq.m as SBC hence isolated/ Combined Foundations are adopted at founding depth of 3m.



Warehouse is 50m spanx100m length with 21m height. It include 40T EOT crane for a portion of warehouse. Steel Portal Frames with Tapered built-up H Sections are provided for both Columns as well Rafter. Adequate bracings and Tie-beams are provided to cater for the stability against Lateral Forces such as Wind and Seismic apart from Crane forces.

POL Store is an RCC Structure of storey height 6.2m and its Framing has 10.5m long span beams.



Date: 2018

Client: Chief Engineer (Navy), M.E.S.

Type: Structural Steel & RCC Responsibilities:

Structural Designs & Drawings.