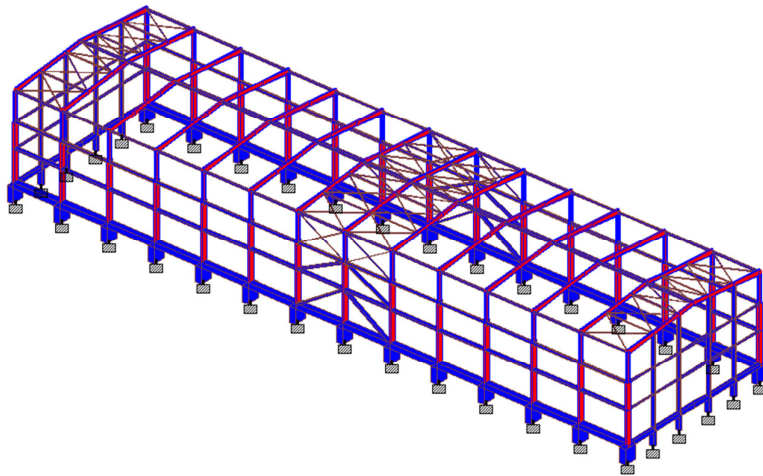


Ishapore, West Bengal, India

New Gun Machine Shop

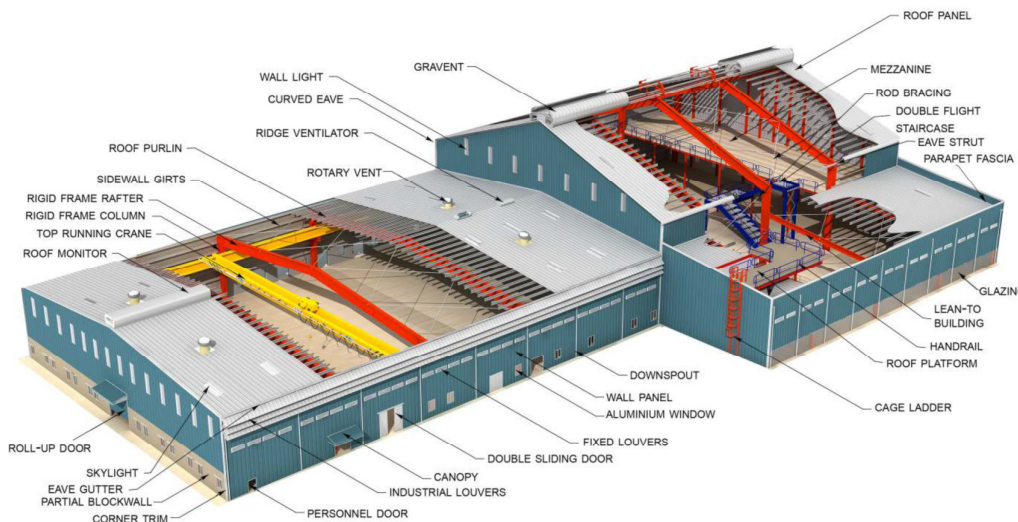
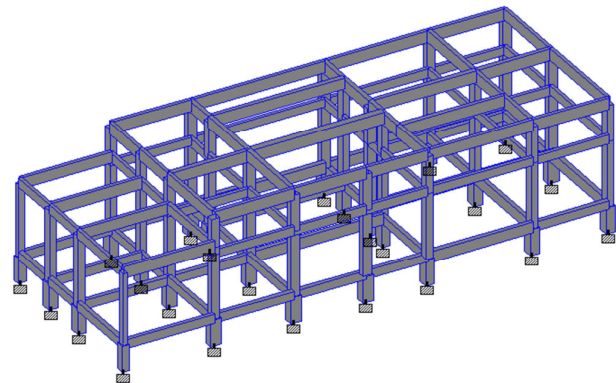


SIE scope includes providing a safe structural design of RCC and PEB consisting:

- Shop structure is 98m long with a series of Steel Portal Frames of 25.5m spans spaced approximately at 7.45m c/c. The shop facility comprises of 2 no's EOT cranes of 60T and 40T.
- RC Framed structure adjacent to Machine shop consisting of Sub-station and Office Annex.

Structure is designed for Zone-3 seismic loading. Piled foundations are adopted as sub-strata is silty-clay.

Stability of steel structure is achieved by Steel portal frames in one direction and braced bays in another direction. Shop is over 13.1m height in which 7.0m is block wall and rest is clad with steel sheeting. RCC tie-beams are provided to restrain the Block wall laterally; which in-turn connected to main steel structure.



Date: 2014

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

Height: Shop: 13.1m; RCC structure: 7m

Plan Dims: 26m x 98m

Firm's Responsibilities: Structural Design

Type: Reinforced Concrete & Structural Steel