

Mantri Sun 3: Precast Feasibility Study



Scope of work includes Feasibility Study for use of Precast Technology for 10 Blocks of each B2+G+18Floors for Mantri Developers at Bangalore.

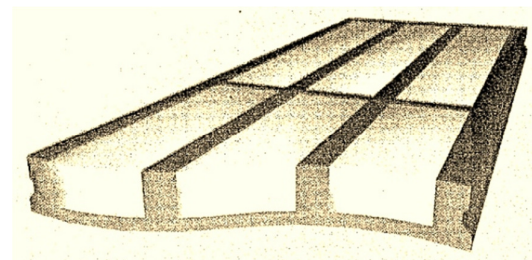
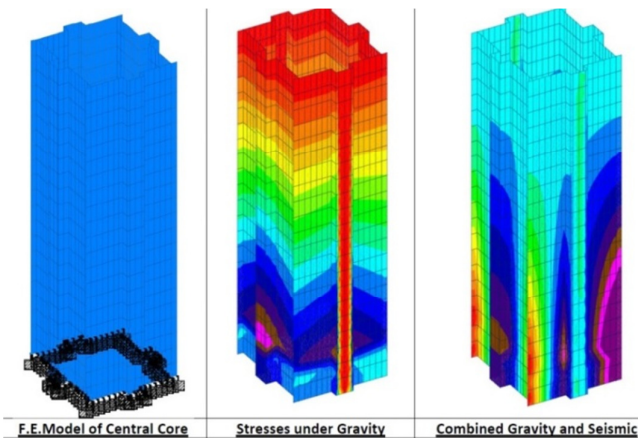
Carried out Stability Analysis to study the requirement of Lateral Load Resisting Elements. Twin-panel walls or Bi-steel wall system is recommended for stability walls for achieving desired monolithic walls. All other load bearing walls are precast concrete walls.

For Horizontal elements Lattice Girder, Hollow core and Composite Voids Slabs are considered. Composite voided Slabs are recommended in view of less material consumption and use of Top Screed more effectively.

Possible connections of precast elements are presented.

Preliminary Estimates of Time Savings and Material Consumptions are arrived.

Structural Cost Indications are made comparing with conventional methods.



Date: 2013

Client: M/s Patil Precast Pvt. Ltd.,

No. of Stories: B2+G+18+Terrace

BUA: 2.3 Million SFT

Firm's Responsibilities: Feasibility Study

