

Hyderabad, Telangana, India

P.C.Rao Villa at Czech Colony



SIE scope includes Structural designs for the proposed Residential Building.

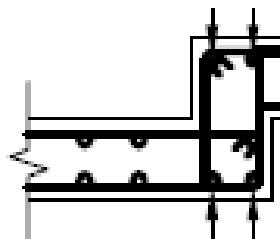
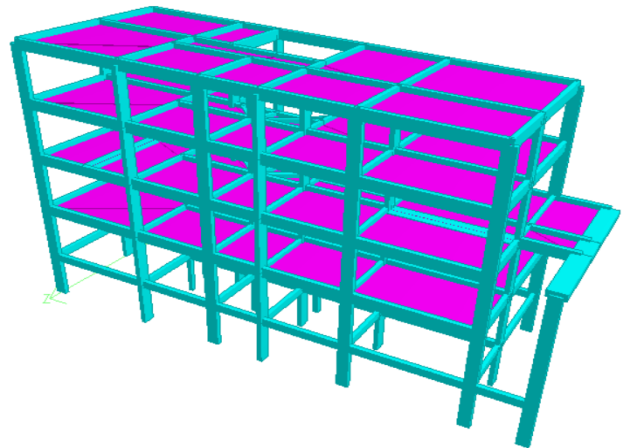
This Building is a G+2 Storey Luxurious Residential Building with provision for Future one more Floor located in Central Hyderabad.

- M25 Grade Concrete and Fe500D Grade steel is adopted for the Construction.
- Expanded Polysterene Blocks (20kg/cu.m) were used instead of lightweight fill (> 650 kg/cu.m) in Balconies & Chajjas to reduce dead weights further and achieve a sustainable structural design.
- 135° degree bent is used for all links as a better practice.



Salient Architectural feature being RCC Helical Staircase with expressing Tread and Risers. Stair is supported at Floor levels.

- Staircase is casted with the Brick walls arranged as formwork being the curvature of stairs.
- Reinforcement for the staircase is provided in the form of Tread links and Riser links



Date: 2022

Client: Mr.K.Purnachandar Rao

Type: RCC.

Seismic Zone: 2

Wind Speed: 44m/sec

SBC: 250 kPa

Firm's Responsibilities: Structural
Designs, Drawings and Site Supervision.

