

YASH TECHNOLOGY PUNE BY SKELETON CONSULTANTS PVT. LTD.



The main aim of the Architect was to provide largest floor plate possible without hindering the building norms for this IT building. As the site area is large, climatic conditions were kept in mind while designing this building. East & West sides of the building have

been designed with reverse slope of dead RCC wall to cut off sun & provide shade on the sides. As a reason each floor plate was larger in area than the lower one. North (front side) & South of the building was treated with glazing & louvers; in North automated louvers

were installed & in South fixed louvers were installed for protection from harsh sun.

The building consists of parking at semi basement level, a reception on split level & another parking on upper split level over reception; with an activity & recreational floor on the first floor & two working floors above that.

As a result this building became the prime example of the saying "Function follows Form!" rather than "Form follows Function!"

The structural framing was bit challenging because of spans ranging from 8.0M to 11.6M, flat slab construction and RCC walls with reversed slope on either side. The slab at roof level is projecting out from column line by 7.5M. It was decided not to keep this projection as cantilever from seismic vulnerability considerations,





thus the reversed slope wall on either side has been treated as structural wall transferring the load from floors to G.F. slab which is projecting out from column line by 1.85M.

Post tensioned slab was considered from floor plates to keep the thickness of drop & slab as minimum. However in order to avoid large secondary moments under lateral loads in such structures, the demand for lateral load resisting elements was fulfilled by shear walls at

four corners and in the middle. Provision of such walls has reduced the drift and displacement at roof level under seismic forces and were kept under limits.

FACT FILE:

**PROJECT NAME **

- IT Building at Hinjewadi, Pune

•CLIENT NAME

- Yash Technologies Pvt. Ltd.

•ARCHITECTS

- Ar. Navendu Shrivastava & Ar.

Kartik Sodhani

•STRUCTURAL CONSULTANT'S

- Skeleton Consultants Pvt. Ltd.

•BUILDER

-Ratnarup Projects Pvt. Ltd.

•PMC

- Cushman & Wakefield

•FLOOR AREA

- 21592 Sqm.

•COST OF PROJECT

- 35 Cr.

Er. Arun Sodhani, Er. Jayesh K. Jain, E Manish Bundela, Ar. Navend Shrivastava & Ar. Kartik Sodhani.



Contact:

Skeleton Consultants Pvt. Ltd.

412, Satguru Parinay,

Near Pakiza Retail,

Opp. C-21 Mall, AB Road,

Indore(MP) 452010, India.

Mob: +91-731-2551267