PROJECT:

PRESTRESSING WORK OF ASHAR I.T.PARK BUILDING

freyssinet-india

FPCC LTD.

THE FREYSSINET PRESTRESSED CONCRETE COMPANY LTD.

Admin. Office: 6/B, 6th Floor, Sterling Centre, Dr. A.B.Road, Worli, Mumbai-400 018
Tel.(B) +91-22-43229500, Fax. +91-22-24938461 e-mail- freyssinet@fpccindia.com

PROJECT DETAILS

Name of the Project	**Ashar I.T.Park**
Location (address)	**Jayshri Baug, Road No. 16 Z, Wagle Industrial Estate, Thane – 400 604.**
Name of the Client	**M/s Ashar Realty Pvt. Ltd.,Thane**
Name of the Main Consultant	**M/s R.C.Tipnis Consulting Engineer, "Sanraj" G.V.S. Rd.No.2, Mulund (E), Mumbai 81 Ph.no. 65044758/21634399**
Name of the PT Consultant	**M/s FPCC Ltd.**
Name of the Architect	**M/s Spectrum Associates**
Nature of Building	**IT park**
Date of Commencement	**July'07**
Date of Completion	**Feb'08 (proposed) 8 months period**
Total area of PT sq.m.	**Approx. 59160 m^2**
No. of Storeys / PT slabs	**Basement + Podium + 11 upper+ Terrace**

TECHNICAL DETAILS

Grid Size in 'm'	**10.80 X 10.80**
Loadings	**Design loads for slab** **LL = 5.00 kN/m^2** **SDL = 2.00 kN/m^2** **Design loads for PT Beam** **LL = 110 kN & 85 kN** **SDL = 540 kN & 415 kN**
Column capital size (Drop panel) in 'mm'	**3600 X 3600 X 475**
Slab Thickness in 'mm'	**230**
Pour size in sq.m	**Varies 2500 / 1500 / 1200**
Standards followed for design	**ACI – 318, IS 456**
Wind load	**Considered by Main RCC Consultant**
Earthquake load	**Considered by Main RCC Consultant**
2-way slab or one way slab	**Two way**
Stressing from 2 ends / or one end	**Stressing done from one end as well as from both ends in some cases.**
Strand size	**12.7 mm dia**
Anchorage system	**4S13**
Total qty of H.T. strand in kg	**245.514 MT**
Pour strip	**Pour strip introduced at upper stilt level slab**
Type of cables	**Bonded**
Special features if any	**Onion type anchorage used at dead end for one end stressing**

SPECIAL FEATURES

Material used	**12.7 mm dia HTS, (75 X25) mm sheathing, 4S13 anchorages**
Equipment used	**EOHP Model - I, SC2 Jack, J-7 Agitator, J-600 Grouting Pump etc.**
Sequence followed	**1-3-2-4 (for stressing)**
Post Threading / Pre Threading	**Pre Threading**
Deficiency in profile if any	**4 mm to 5 mm at drop cap**
Stressing & Elongation	**As per drawing obtained**
Grouting Mix w/c ratio Admixture	**W/c ratio = 0.45 Admixture not used**
Pressure used for grouting	**3 to 5 kg/cm^2**