

## INDIA : INTEL SRR3 PROJECT, LIFTING OF COMPOSITE DECK FLOOR SLABS OF COMMERCIAL BUILDING AT BANGALORE

PROJECT	EQUIPMENT	WEIGHT
CIVIL	STRAND JACKS	UP TO 1,350 Ton SINGLE LIFT

Fagioli India was involved in one of the most challenging civil works ever done in India for the lifting and locking of 10 Floor composite Slab sections complete with mechanical, electrical, interiors and facade works of 3 wings using Multiple combination of Strand Jacking System.

Major Equipment's Involved for this project was :

Strand Jacks – 100 ton Capacity – 30 no's

Strand Jacks – 180 ton Capacity – 28 no's.

Power packs , Hydraulics and Remote Control Operating System.

Dimensions of the slabs installed:

**Minimum Weight** : Knuckle Slab – 360ton Single Lift.

Size of Single Slab : 27.7mtr x 27.7mtr , No's of Slabs – 10

**Maximum Weight** : A wing and B wing Slab – 1350 ton Single Lift.

Size of Single Slab : 45.5mtr x 27.7 mtr, No's of Slabs – 20



- This project was the first of its kind for Fagioli India where complex synchronized lifting arrangement with different capacity of jacks was involved.
- Fagioli expertise in handling strand jacking had once again proved that such a unique slab erection works can be done without any error, safeguarding all the norms, structural works and utmost safety.
- Fagioli India was able to conclude all the floor slab lifts before 2 months of schedule time which in itself is a remarkable achievement in construction industry.
- The importance of strand jack system in lifting of building concrete slabs are the followings:
  - Safety
  - Quicker
  - Improved Quality
  - Time Factor

Sr. No.	Date	FLOOR	WEIGHT (MT)	LIFTING ELEVATION (Mtrs)
1	01/10/2015	TOP FLOOR	360	39
2	14/11/2015	9 <sup>TH</sup>	360	35
3	03/12/2015	8 <sup>TH</sup>	360	31
4	16/12/2015	7 <sup>TH</sup>	360	27
5	04/01/2016	6 <sup>TH</sup>	395	23
6	13/01/2016	5 <sup>TH</sup>	370	19
7	25/01/2016	4 <sup>TH</sup>	350	15
8	07/02/2016	3 <sup>RD</sup>	360	11
9	20/02/2016	2 <sup>ND</sup>	360	7
10	03/03/2016	1 <sup>ST</sup>	360	3



## SEQUENCE OF INSTALLATION



## 3D RENDERING

