



Welcome to Light House Project of Indore under Global Housing Technology Challenge- India

-

KPR Projectcon Pvt Ltd



**Urban Development & Housing
Department (Government of Madhya
Pradesh)**



**INDORE MUNICIPAL
CORPORATION**

LHP INDORE



Description	Unit	Length	Width	Area
Living Room	Sqmt	3.12	3.08	9.61
Bed Room	Sqmt	3.12	2.99	9.33
Kitchen	Sqmt	2.1	1.81	3.80
Toilet	Sqmt	2.1	1.2	2.52
Balcony	Sqmt	2.07	1.06	2.19
Circulation Area	Sqmt	2.19	0.9	1.97
Threshold Area	Sqmt			0.50
Total Carpet Area	Sqmt			29.92



CONSTRUCTION METHODOLOGY



6. Staircase –

Fabricated MS sections are being welded at site for staircase frame preparation

5. Lift Wall –

RCC structure is being prepared for lift walls. Onsite RMC plant for RCC material preparation

4. Walling System

Factory made Prefabricated sandwich panels are being used for wall preparation

1. Substructure
RCC Isolated column footing

2. Structural System
Pre Engineered structure consists of factory manufactured steel column and beam erected on site.

3. Slab –
Deck sheet is placed on structure. over it, slab casting is done



FOOTING DESIGN & SECTION

Types of Footing In The Project

- Straight isolated footing
- Combined footing
- Inclined isolated footing
- Raft footing



Footing calculations is done as per live load , dead load and wind load

PLINTH



RCC COLUMN UP TO PLINTH LEVEL



SHOT ON REDMI NOTE5 PRO
HI QUAL CAMERA



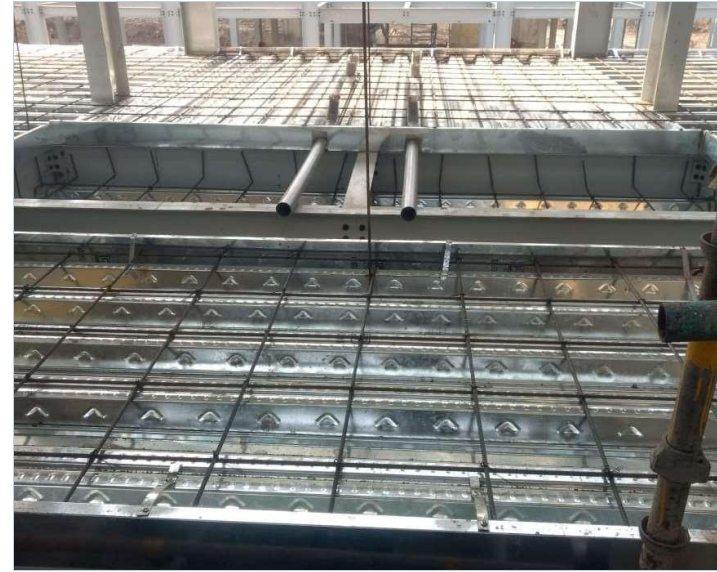
PLINTH BEAM

LHP INDORE - TECHNOLOGY

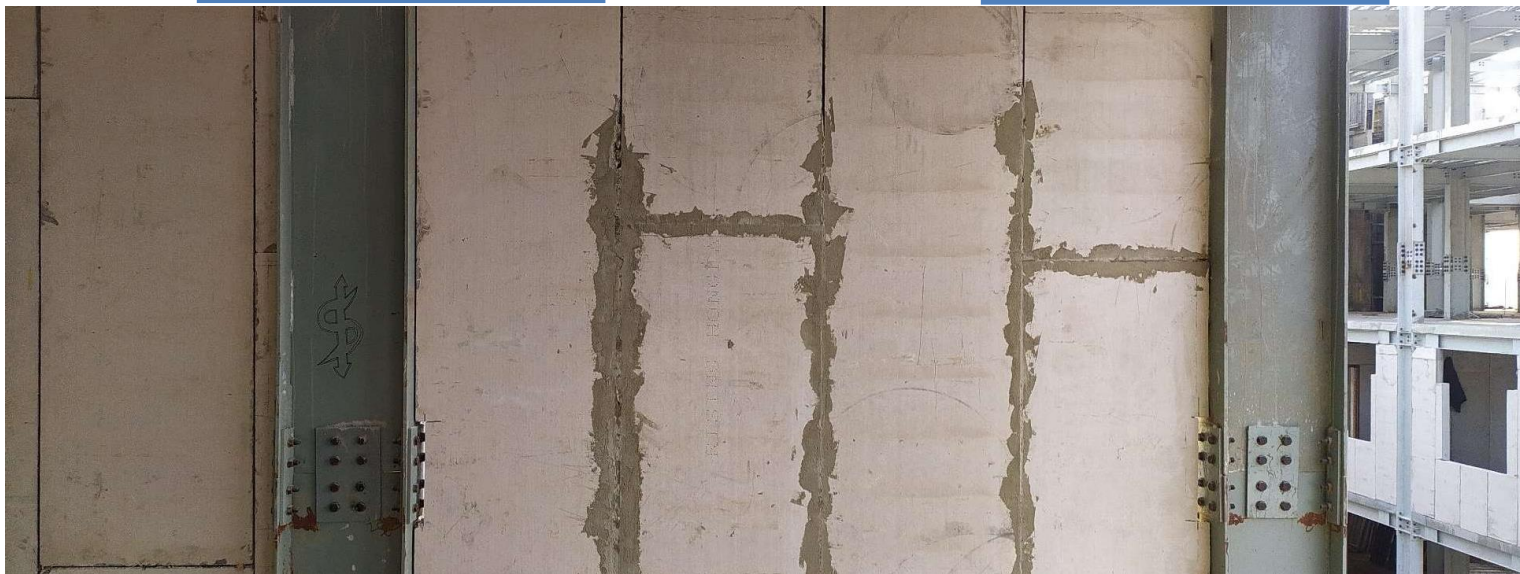
*Structural System – Pre Engineering Building **Slab**- Deck Sheet Slab*
Walling System - Pre fabricated sandwich panel system



PEB STRUCTURE



DECK SHEET SLAB



PREFABRICATED SANDWICH PANEL WALLING

LHP INDORE - TECHNOLOGY

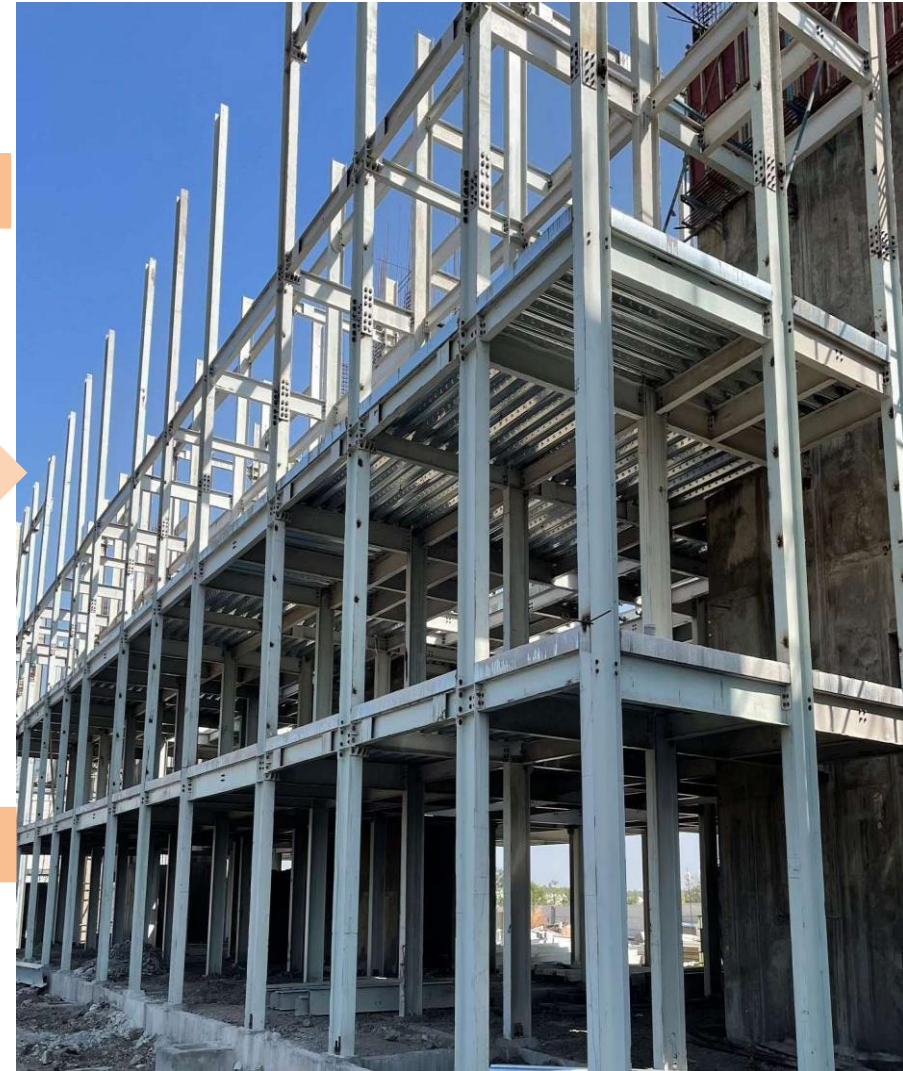
PEB STRUCTURE

- With **Pre-engineered steel building** systems, multi-stories can now be scripted in the shortest “set-up” time
- Speed in Construction



Lifting

Floor Structure



Bolting



LHP INDORE -TECHNOLOGY

DECK SLAB

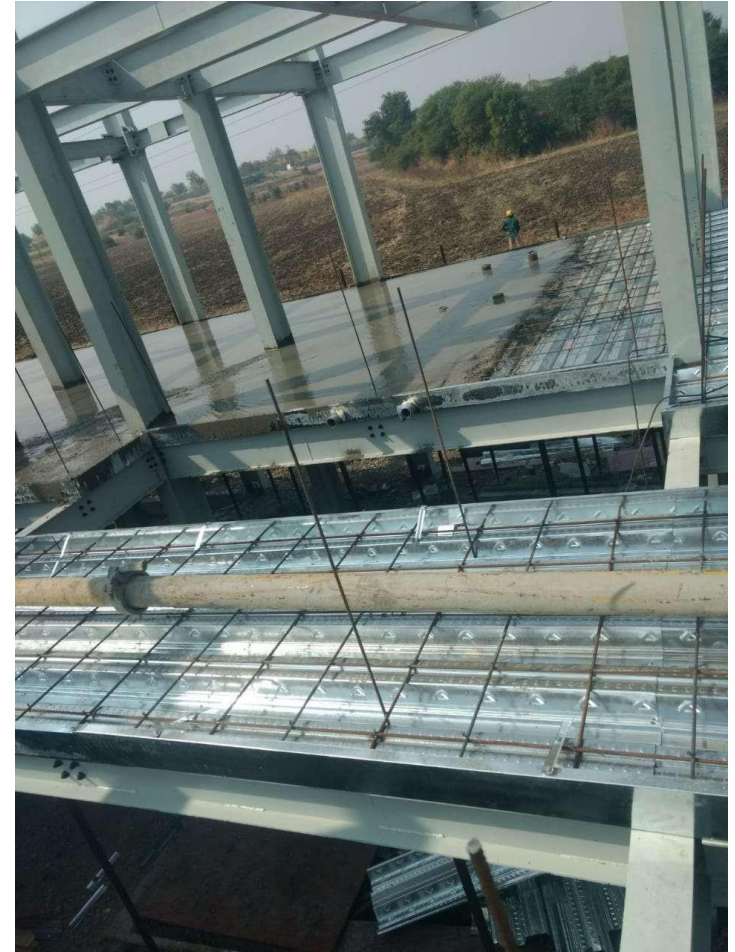
Deck Sheet Laying



Services & Reinforcement Laying



Concreting



Prefabricated Walling

Rising EPS Cement Panels

- Prefabricated EPS Cement Sandwich Panels
- Unique Ready to Install Wall Panels
- Light weight , Strong , Durable
- Tongue and Groove Joint



Rising **Japan** Infra
Mumbai



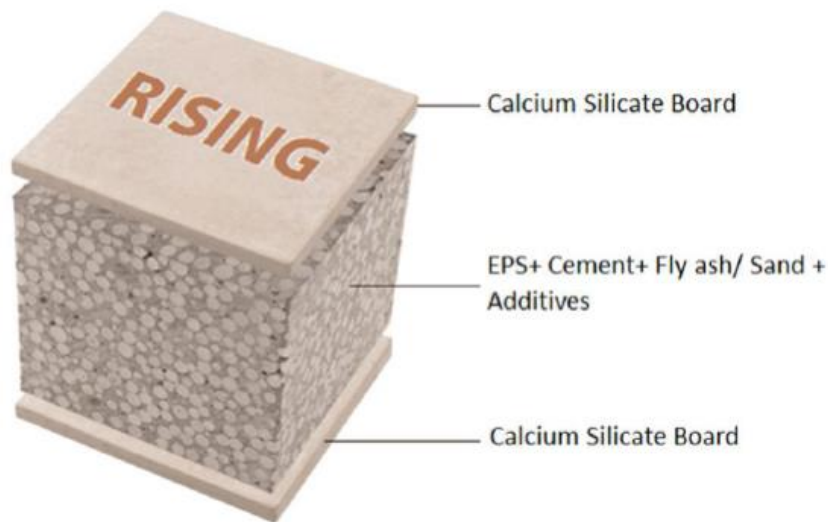
RISING PANELS

Composition



Rising **Japan** Infra

Mumbai



Fibre Cement / Calcium Silicate Board :

- Highest Surface hardness
- Smooth surface compared to Fibre cement boards available in Market

Patented Additive:

- Achieves tight bonding with the board
- EPS helps achieve highest insulation and makes panel light weight

Size and Weight

Height : 8ft

Width : 2ft

Thickness : 60, 75 , 90 ,120 mm

Size	Weight
60 mm	60 kg
75mm	70 kg
90 mm	80 kg
120 mm	110 kg



Rising **Japan** Infra

Mumbai

Wall Upto **16 Ft**
height can be
built

RISING PANELS



Rising **Japan** Infra
Mumbai

Benefits



READY TO PAINT

Excellent surface finish



WATER PROOF

Can be used in WC or external application



FIRE RESISTANT

Upto 4 Hrs



GREEN PRODUCT

Non asbestos



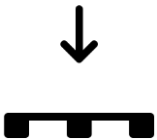
EXCELLENT SOUND INSULATION

Upto 45 dB



LOW THERMAL CONDUCTIVITY

0.22 W/mK



LATERAL LOAD

Upto 800Kg



Hanging Load

Upto 70 Kg



EARTHQUAKE RESISTANT

Upto 7.2 Richter scale

RISING PANELS

RISING PANELS




Rising Japan Infra
Mumbai



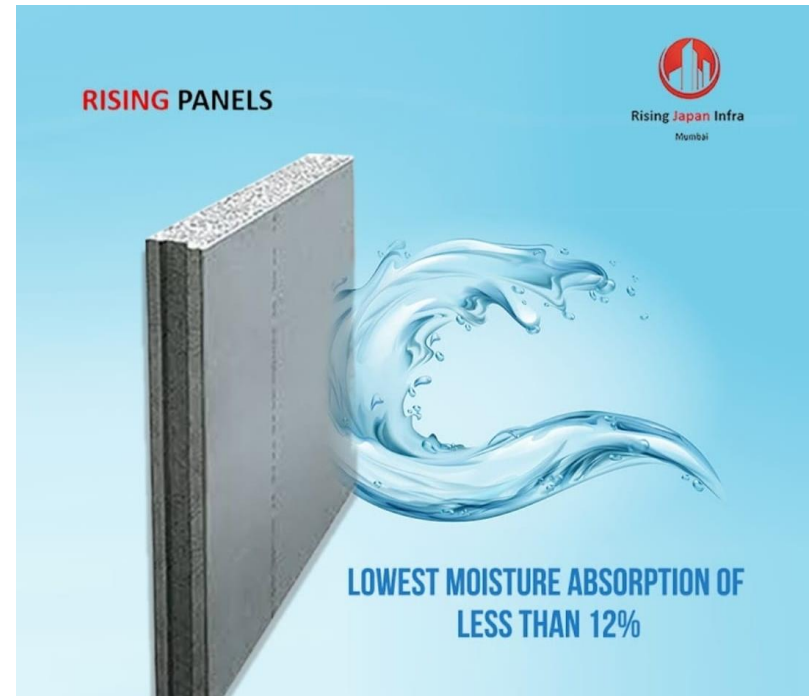
**HIGHEST
FIRE RESISTANCE**

The Only 4 Hrs Fire Resistant 
Wall partition in India

RISING PANELS




Rising Japan Infra
Mumbai

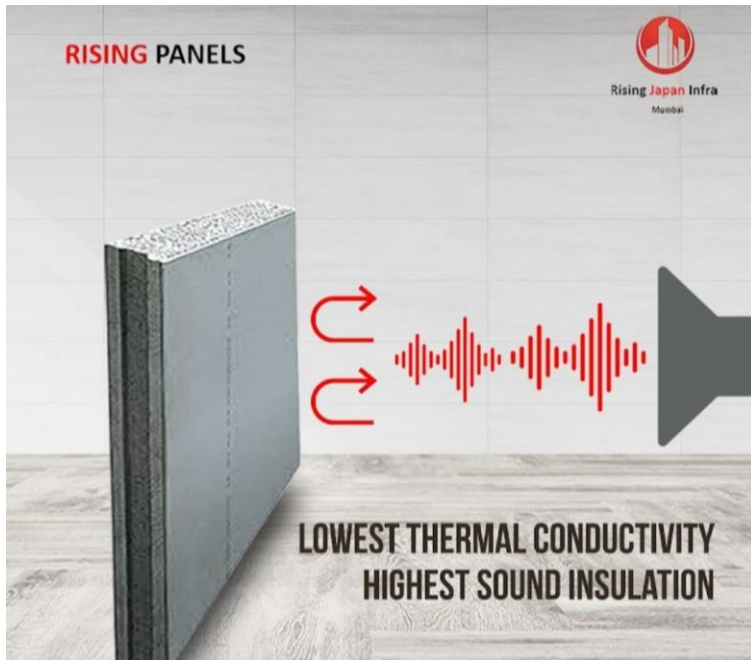


**LOWEST MOISTURE ABSORPTION OF
LESS THAN 12%**

RISING PANELS



Rising Japan Infra
Mumbai



**LOWEST THERMAL CONDUCTIVITY
HIGHEST SOUND INSULATION**

**Rising Japan Infra
Mumbai**



**STRONG AND
DURABLE**

600kg/m³ Density

☎ 9742942742 ✉ sales@rjiminfra.com 🌐 www.rjiminfra.com

RISING PANELS
Rising Japan Infra
Mumbai

COMMERCIAL & RESIDENCIAL PROJECTS

Rising EPS Panels

☎ 9742942742 ✉ sales@rjiminfra.com 🌐 www.rjiminfra.com

RISING PANELS
Rising Japan Infra
Mumbai

RURAL HOUSING

Rising EPS Panels

☎ 9742942742 ✉ sales@rjiminfra.com 🌐 www.rjiminfra.com

RISING PANELS
Rising Japan Infra
Mumbai

EARTHQUAKE SENSITIVE ZONES

Rising EPS Panels

☎ 9742942742 ✉ sales@rjiminfra.com 🌐 www.rjiminfra.com

RISING PANELS
Rising Japan Infra
Mumbai

Urban Housing

Rising EPS Panels

☎ 9742942742 ✉ sales@rjiminfra.com 🌐 www.rjiminfra.com

RISING PANELS
Rising Japan Infra
Mumbai

LOW COST HOUSING

Rising EPS Panels

☎ 9742942742 ✉ sales@rjiminfra.com 🌐 www.rjiminfra.com

RISING PANELS
Rising Japan Infra
Mumbai

MULTI-STORY CONSTRUCTION AS WALLING, FLOORS & ROOF PANELS

Rising EPS Panels

☎ 9742942742 ✉ sales@rjiminfra.com 🌐 www.rjiminfra.com



Manufacturing Plant

- Manufacturing facility at Pune, Maharashtra



Rising **Japan** Infra

Mumbai



RISING PANELS

LHP INDORE -MID STAGE PHOTOS



LHP INDORE

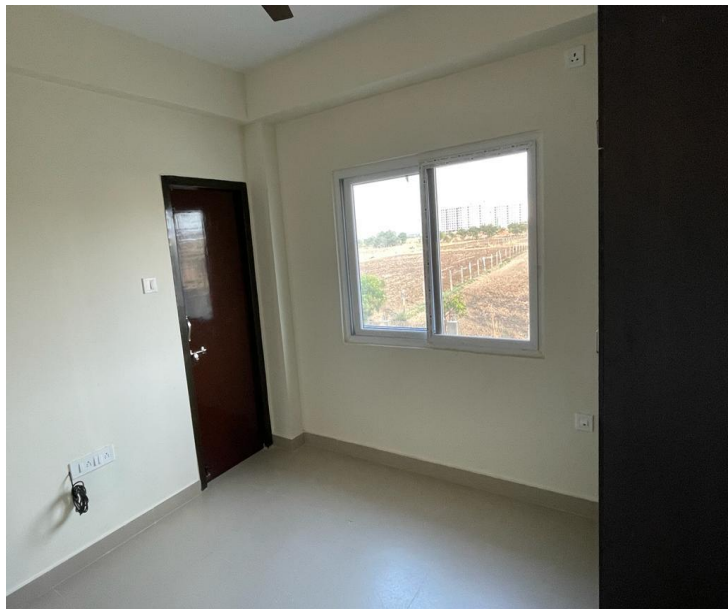


TECHNOLOGY : RISING EPS CEMENT PANELS
AGENCY : KPR PROJECTCON PVT LTD

LHP INDORE - FINAL STAGE PHOTOS



LHP INDORE - MODEL UNIT



LHP INDORE - TECHNOLOGY ADVANTAGES



Strength Test



Fast and Easy Construction



Fire Resistance Test

Energy saving by thermal resistance



Recyclable



Eco friendly dry construction



- ✓ Light weight and cost effective
- ✓ Easy and faster construction
- ✓ Fireproof
- ✓ Water proof and damp proof
- ✓ Non-toxic & environment-friendly
- ✓ Energy saving & environment-friendly
- ✓ Water saving due to dry construction
- ✓ Smooth and flat surface, thus no plastering needed
- ✓ High sound insulation
- ✓ Cost effective
- ✓ Ground staff optimization
- ✓ Increase in carpet area up to 15% which saves money



THANK YOU

**M/s KPR PROJECTCON PVT
LTD**

M/s RISING JAPAN INFRA