



RAPID CONSTRUCTION EXCEEDING EXPECTATIONS

PREFAB HOUSE

BUILD QUICK™
PREFAB SOLUTIONS



www.epack.in



COMPANY PROFILE

EPACK PREFAB is one of the leading manufacturer and Supplier of high-quality, energy-efficient Building Solutions for industrial and commercial applications.

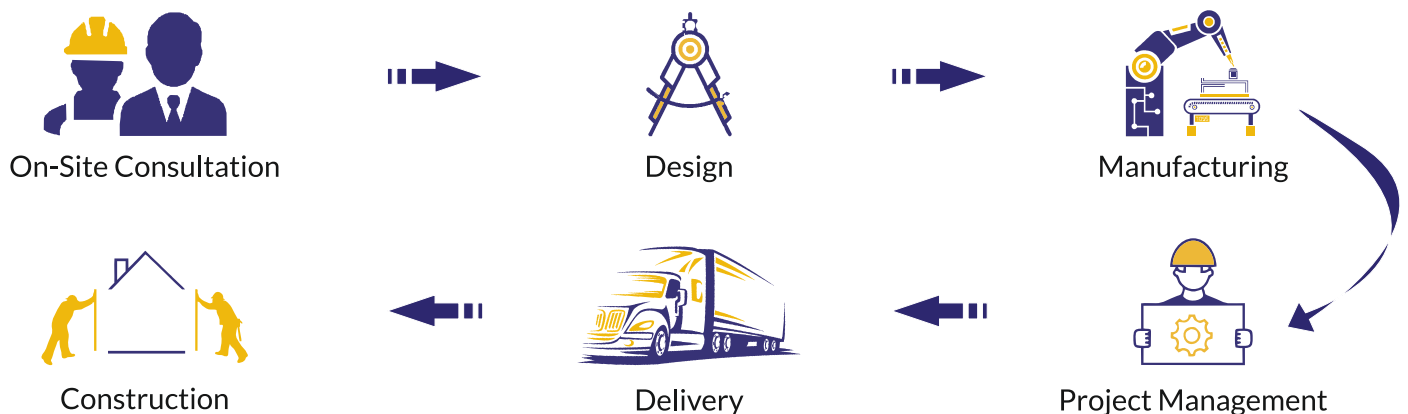
The principal activity of the organization comprises:

- Pre Engineered Buildings
- Modular Prefabricated Buildings
- Insulated Continuous Line Sandwich Panels
- Light Gauge Steel Framing

Since the inception of EPACK PREFAB in 1999 at a prime location in Greater Noida, EPACK has grown to become one of the leading manufacturers of Prefabricated Structures and Sandwich Panels in India Producing More than 1,33,924 MT PEB and 13,10,000 sqm Sandwich Panels per annum, and has successfully delivered projects spanning millions of square feet across India.



TOTAL END TO END PROJECT SOLUTION



OUR PRODUCTS & APPLICATIONS



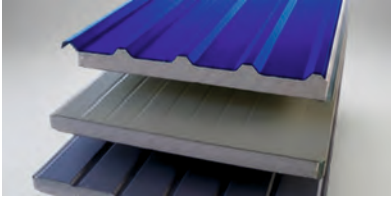
MODULAR PREFABRICATED BUILDINGS

- Accommodations
- Schools/Hospitals
- Construction Site Offices
- Relief Camps etc...



PRE ENGINEERED BUILDINGS

- Warehouses
- Factory Sheds / Industrial Buildings
- Multi-storey Buildings
- Commercial Buildings etc...



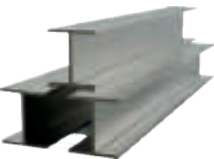
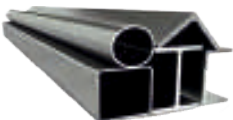
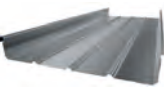
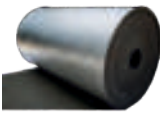
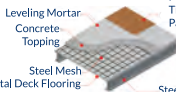
INSULATED SANDWICH PANELS

- PUR/PIR Insulated Panels
- EPS Insulated Panels
- ROCKWOOL Insulated Panels
- GLASSWOOL Insulated Panels



LGSF BUILDINGS

- High Rise Buildings
- Transit Camps
- Office Buildings
- Villa / Cottages etc...

STRUCTURES	ROOF & WALL	INSULATION	FLOORING
Builtup & Hot Rolled Section  Cold Formed Structures  Hollow Sections 	Insulated Sandwich Panels  Light Gauge Steel Framing  Single Skin Sheet  Standing Seam Roof 	PUR/PIR EPS Rockwool Glasswool  Bubble / XLPE 	Leveling Mortar Concrete Topping  Steel Mesh Metal Deck Flooring  Flooring Material Such as Tiles, Laminated Flooring, Parquet etc.  Flooring Material Such as Tiles, Laminated Flooring, Rubber Tiles, Carpets etc. 

All India Presence with STATE-OF-THE-ART MANUFACTURING FACILITY



Scan for
360 Plant View

*Sandwich Panel Capacity
13,10,000 sqm/annum

Panel Capacity: 510,000 Sqm/ Annum



Unit 1 & 2
Greater Noida, Uttar Pradesh

Panel Capacity: 8,00,000 Sqm



Unit 5
Mumbatu(Tirupati), Andhra Pradesh

*PEB Production Capacity
1,47,122MT / annum

PEB Plant Capacity: 38,262 MT



Unit 1 & 2
Greater Noida, Uttar Pradesh

PEB Plant Capacity: 27,550 MT



Unit 3
Ghilothe, Rajasthan

PEB Plant Capacity: 81,310 MT

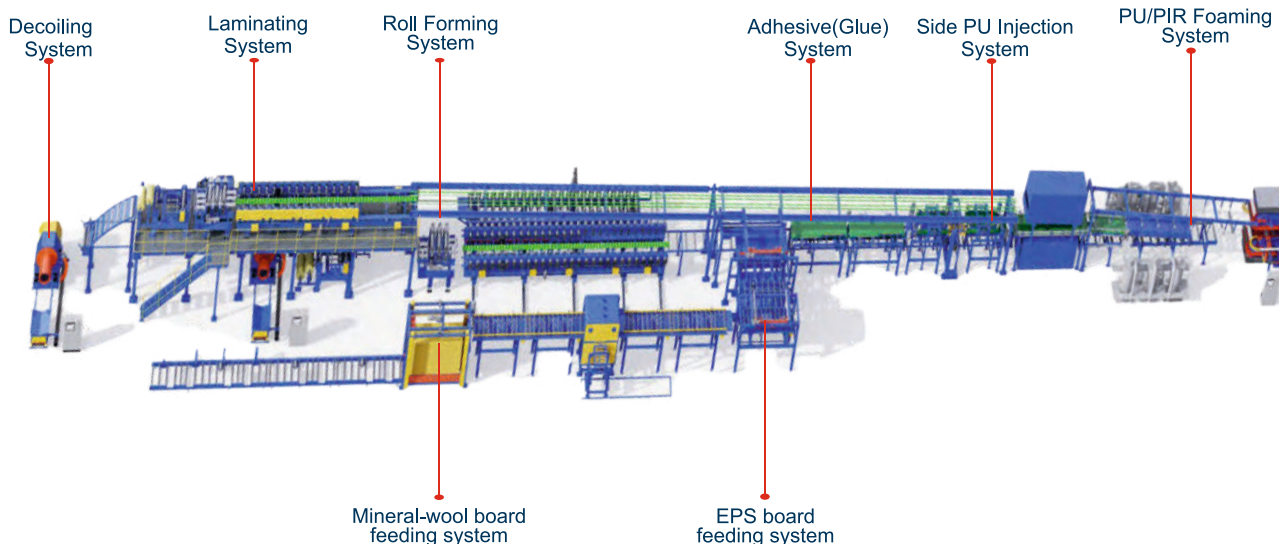


Unit 4
Mumbatu(Tirupati), Andhra Pradesh



REGIONAL PRESENCE

HYDERABAD | CHENNAI | AHMEDABAD | NEW DELHI | JAIPUR | BHUBANESWAR |
MUMBAI | PUNE | VADODARA | VAPI | SURAT | KOLKATA | INDORE | BANGALORE |
VIZAG | JAMSHEDPUR | PATNA | COIMBATORE | CHANDIGARH | GUWAHATI





CONTINUOUS H-BEAM WELDING MACHINE



CNC PLASMA CUTTING MACHINE



SHOT BLASTING MACHINE



SHEARING MACHINE



CNC PUNCHING MACHINE



POWER PRESS MACHINE



ROOF PROFILE MACHINE



CONTINUOUS SANDWICH PANEL MACHINE



CANON FOAMING MACHINE



LGSF MACHINE



C / Z PURLIN MACHINE



BENDING MACHINE



DECOILING MACHINE



DOUBLE BELT MACHINE



ROLL FORMING MACHINE



PANEL COOLING MACHINE



AUTO STACKING MACHINE



AUTOMATIC PANEL WRAPPING MACHINE

Double Belt System

Cutting System

Wrapping System

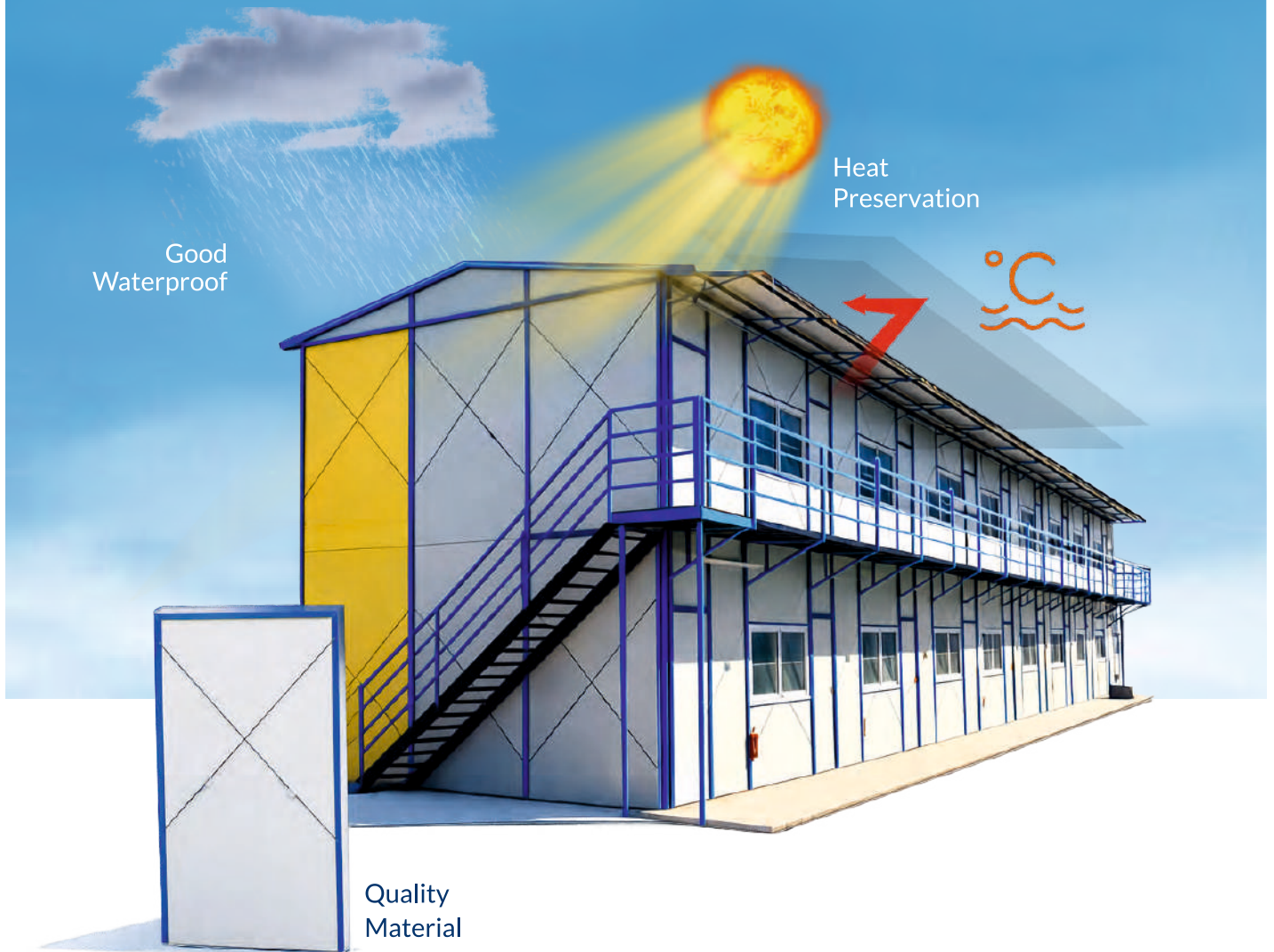
Stacking System

Cooling System

K-HOUSE

A building that's accommodation perfect

Wall & Roof are made up with superior sandwich panel
Such as: EPS, PUF, Rockwool, Glasswool Sandwich Panels.



PREFAB K-HOUSE

EPACK Prefab K-House is built on efficiently designed structures as per IS code, surrounded by protective dry walls (sandwich panels) which can be simply assembled in modules, with the components bolted together, and can be quickly assembled and dismantled.

A great feature of this building is it comes in DIY (Do It Yourself) and can be assembled easily and it can be relocated with ease.

K-HOUSE TYPES



GROUND STORIED (3P)



G+1 STORIED (6P)



G+2 STORIED (9P)

BENEFITS OF EPACK K-HOUSE

Comparing to traditional Building system EPACK PREFAB K-House has lots of benefits in every aspect like:

RECYCLE USE

All components are standard and fabricated in factory, which makes it suitable in recycle use for many times.

QUICK INSTALLATION

It is quick and easy to erect being made from light-weight materials, and can easily with minimal technical know how.

STABLE STRUCTURE

EPACK PREFAB K-House has a flexible construction system, which is safe, reliable and can meet the standard of construction design.

DISASSEMBLED EASILY

The K-House can be disassembled multiple times and reused. It just need simple tools to assemble and disassemble.

FLEXIBLE LAYOUT

Doors and windows can be placed anywhere, with partitions set in any horizontal axis and with stairs outdoor.

WATERPROOF STRUCTURE

The K-House adopts waterproof design. So it does not need any separate waterproof treatment.

ENVIRONMENTAL AND ECONOMIC

EPACK PEBFAB K-House can be used repeatedly and is low on energy consumption which does not affect the environment. The average annual cost is much lower than other similar materials building houses.



K-HOUSE APPLICATIONS

EPACK PREFAB K-House is widely used as temporary constructing house of field work like road, railway and construction site or municipal and commercial and other temporary housing like:

- Site office / Camp office
- Engineer Accommodation
- Labour Accommodation
- Family Accommodation
- Time Office / QC Office
- Canteen / Site kitchen
- School & Training centers
- Health Centers/ Anganwadis
- Ablution / Toilet block
- Disaster relief camps / Refugee camps
- Temporary hospitals
- Exhibition hall



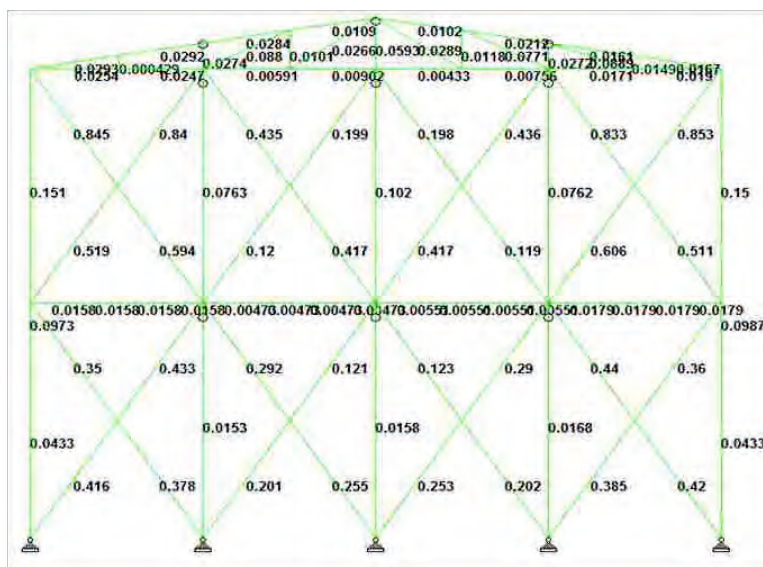
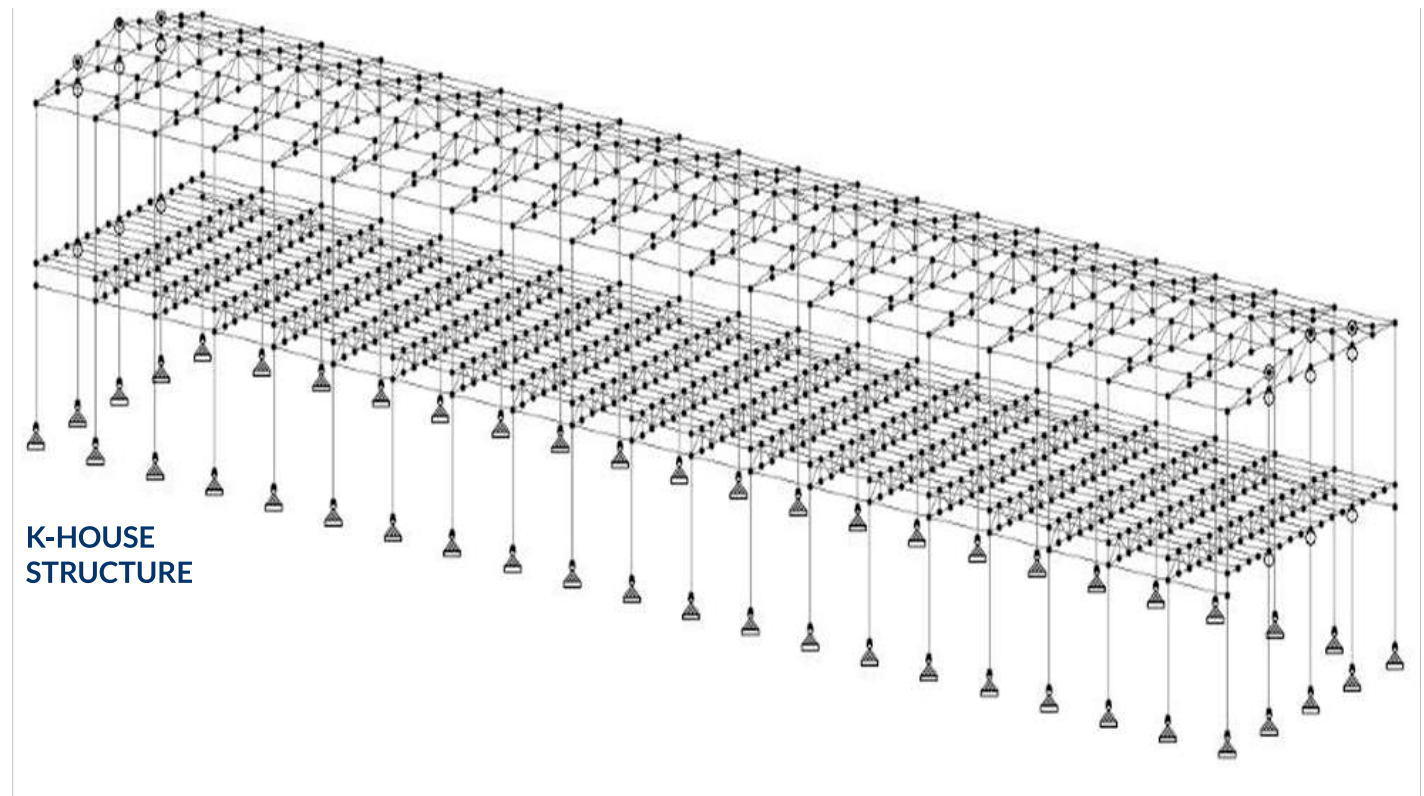
TECHNICAL SPECIFICATIONS

S.NO	ITEMS	TECHNICAL SPECIFICATIONS
1	Columns, Trusses, Joist Beam, Purlins, etc.	All the structural steel material are cold formed as per IS: 811/RHS sections as per IS:4923 duly painted with one coat primer & one coat paint (25 dft each coat, preferably blue color)
2	Walk way & Staircase	The walkway & staircase treads shall be 2.40mm thick MS checkered plates duly painted with one coat primer & one coat black paint. The design is as per EPACK PREFAB standards.
3	Railings	The railings shall be fabricated out MS angle of 40x40x3mm and duly painted with one coat primer & one coat paint (Preferably Blue).
4	Hardware	All the structural steel fixing hardware shall be non galvanized. We use high tensile (8.8 grade) for primary members and 4.60 grade for secondary members of EPACK PREFAB approved make.
5	Wall Panels / Partition Panels	The wall panels shall be 50mm thick sandwich panels with 0.30mm Pre painted Galvanized iron sheet on either side and expanded polystyrene core in between. The panels shall be of RAL-9002 Off white / appliance white color. No silicon sealant is used / required to be filled in between our sandwich panels.
6	Floor Board	In case of G+1/G+2 building the floor board supplied by us will be 18mm cement fiber board of EPACK approved make. The same be fixed to the floor beam with M5x30mm SD screw. (If required the gap in between the floor board to be filled by the customer. We suggest the use of PVC mat for a leak proof/ dust proof atmosphere on the ground floor).
7	Floor Mat / Tiling (Optional)	We can provide 1.50mm PVC floor mat or tiling on the floor as per the requirement of the customer at extra cost.
8	False Ceiling	We can provide PVC laminated grid ceiling as per the requirement of the customer at extra cost.
9	Doors (2100 x 900 mm)	The doors shall be made out of sandwich panels and shall be of same color as walls. The doors will have accessories like stainless steel hinges, D handle (2 no's), AI drop 8" on outside and Tower bolt 6" on inside of Jolly / Plaza make. (Mortise lock, door closer & door stopper can be supplied at extra cost as per customer's requirement)
10	Windows (1740 x 970 mm)	The windows shall be made out of aluminum extruded section and shall be powder coated (white color). The glass shall be 4mm non toughened.(Aluminum Grill can be provided at an extra cost as per customer's requirement).
11	Roofing	The roof shall be pre painted galvanized trapezoidal metal sheet of 0.40 mm thickness (preferably blue color). The same shall be fixed to the purlins with STSD screw of EPACK PREFAB approved make.
12	Insulated Roofing / Ceiling	We can supply 50mm EPS sandwich roof panels or 50mm EPS sandwich ceiling panels at an extra cost as per the requirement of the customer
13	Electrical Fittings	EPACK PREFAB can undertake to supply & install the electrical fittings like lights, fans, sockets, AC's, etc at an extra cost as per customer's requirement.
14	Toilets / Kitchen	In case the customer wants a toilet / kitchen on the 1st floor than we suggest the use of APP membrane which can be provided at an extra cost.

STRUCTURAL DESIGN ANALYSIS

At EPACK PREFAB we have always placed a heavy emphasis to design. We have In-house design and R&D department with well qualified and experienced structural designers who can do:

- Complete Research and Analysis.
- Modifications to an Existing Plan.
- Designing a whole New Building.



FRAME ANALYSIS RATIO

DESIGN PARAMETERS

- | | |
|---|--|
| 1 | Design occupancy loading of 2 KN/m ² (200kg/m ²) |
| 2 | Design loading on balcony (walkway) of 2.5 KN/m ² (250kg/m ²) |
| 3 | Design wind speed of 47m/s |
| 4 | Design service life of 5 years |
| 5 | Seismic Zone IV |

K-HOUSE AREA CALCULATION CHAT

EPACK K-House Building Area Calculation Table

1K = 1.82m IP = 0.97m

Length			Ground Stoned (3P)			G +1 Storied (6P)			G +2 Storied (9P)		
			Width			Width			Width		
			3K	4K	5K	3K	4K	5K	3K	4K	5K
			6.82	8.64	10.46	6.98	8.80	10.62	6.98	8.80	10.62
4	K	50.74	50.74	64.28	77.82	103.79	130.87	157.95	155.68	196.30	236.93
5	K	63.15	63.15	80.01	96.86	129.18	162.88	196.59	193.77	244.33	294.88
6	K	75.57	75.57	95.73	115.90	154.57	194.90	235.23	231.85	292.35	352.84
7	K	87.98	87.98	111.46	134.93	179.96	226.91	273.87	269.93	340.37	410.80
8	K	100.39	100.39	127.18	153.97	205.34	258.92	312.51	308.02	388.39	468.76
9	K	112.80	112.80	142.91	173.01	230.73	290.94	351.14	346.10	436.41	526.72
10	K	125.22	125.22	158.63	192.05	256.12	322.95	389.78	384.18	484.43	584.67
11	K	137.63	137.63	174.36	211.08	281.51	354.97	428.42	422.27	532.45	642.63
12	K	150.04	150.04	190.08	230.12	306.90	386.98	467.06	460.35	580.47	700.59
13	K	162.45	162.45	205.80	249.16	332.29	418.99	505.70	498.43	628.49	758.55
14	K	174.86	174.86	221.53	268.19	357.68	451.01	544.34	536.52	676.51	816.51
15	K	187.28	187.28	237.25	287.23	383.07	483.02	582.98	574.60	724.53	874.46
16	K	199.69	199.69	252.98	306.27	408.46	515.04	621.61	612.68	772.55	932.42
17	K	212.10	212.10	268.70	325.31	433.85	547.05	660.25	650.77	820.57	990.38
18	K	224.51	224.51	284.43	344.34	459.23	579.06	698.89	688.85	868.59	1048.34
19	K	236.93	236.93	300.15	363.38	484.62	611.08	737.53	726.93	916.61	1106.30
20	K	249.34	249.34	315.88	382.42	510.01	643.09	776.17	765.02	964.64	1164.25
21	K	261.75	261.75	331.60	401.45	535.40	675.10	814.81	803.10	1012.66	1222.21
22	K	274.16	274.16	347.33	420.49	560.79	707.12	853.45	841.19	1060.68	1280.17
23	K	286.58	286.58	363.05	439.53	586.18	739.13	892.08	879.27	1108.70	1338.13
24	K	298.99	298.99	378.78	458.57	611.57	771.15	930.72	917.35	1156.72	1396.08
25	K	311.40	311.40	394.50	477.60	636.96	803.16	969.36	955.44	1204.74	1454.04
26	K	323.81	323.81	410.23	496.64	662.35	835.17	1008.00	993.52	1252.76	1512.00
27	K	336.23	336.23	425.95	515.68	687.74	867.19	1046.64	1031.60	1300.78	1569.96
28	K	348.64	348.64	441.68	534.72	713.12	899.20	1085.28	1069.69	1348.80	1627.92

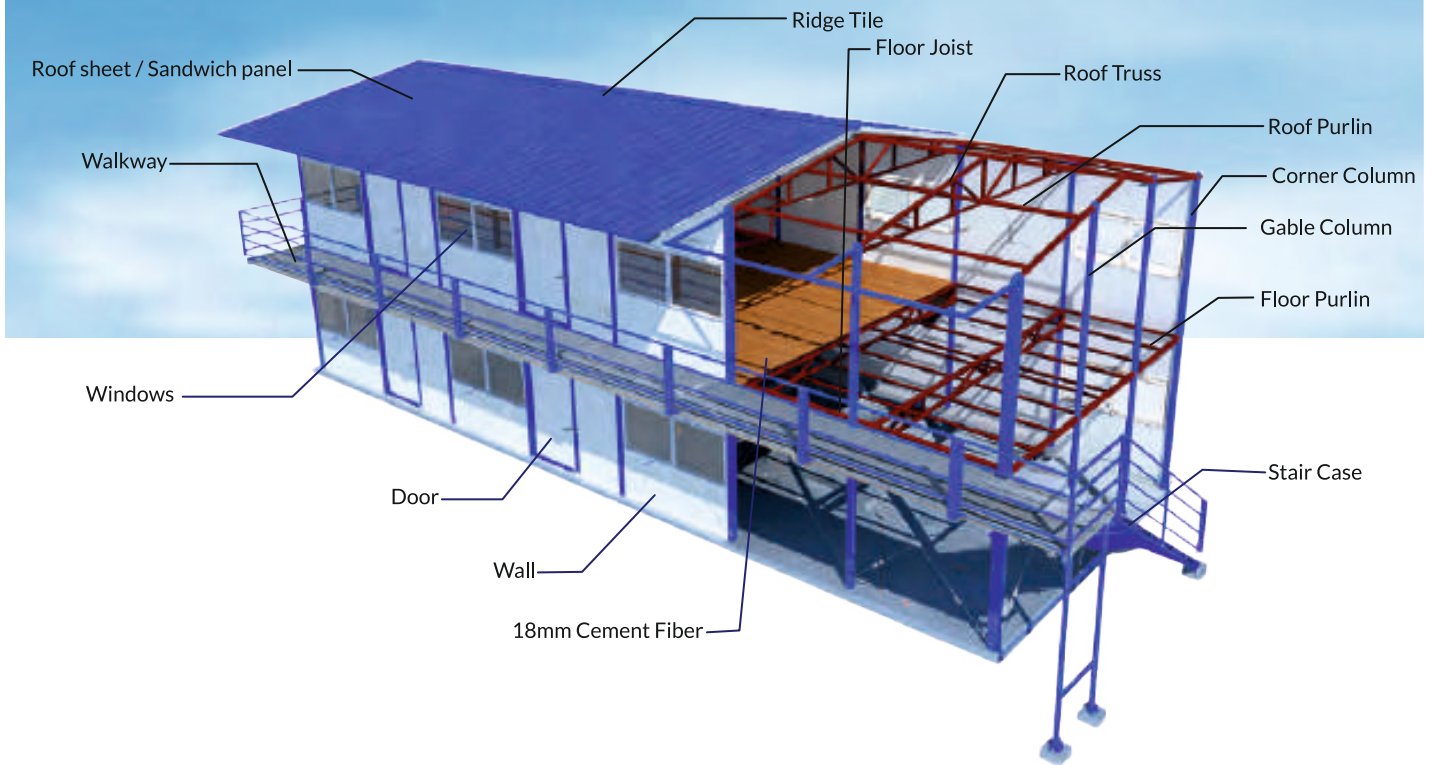
- Verandha of 900mm & roof overhang of 300mm included in the width of the ground storied building.
- Walkway of 1055 mm & roof overhand of 300mm included in the width of the G+I & G+2 building.
- One No's Staircase is provided upto 30mtr length building and Two No's staircase above 30mtr, length building.
- The area of the building is to be worked out on the basis of above table only. EPACK always quotes price on this basis only.

RECOMMENDED DIMENSIONS FOR LABOR HUTMENT

S.No	K-House Layouts	Total Area (Square m)	No Of Workers
1	8K X 3K X 3P	100.39	35
2	12K X 3K X 3P	150.04	50
3	18K X 3K X 3P	224.51	80
4	18K X 4K X 3P	284.43	100
5	18K X 3K X 6P	459.23	160
6	18K X 4K X 6P	579.06	200

COMPONENTS

K-HOUSE 3D VIEW

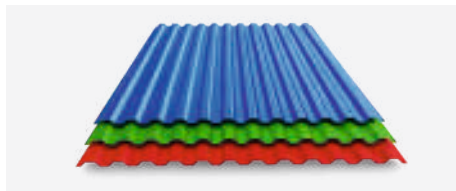


WALL PANEL



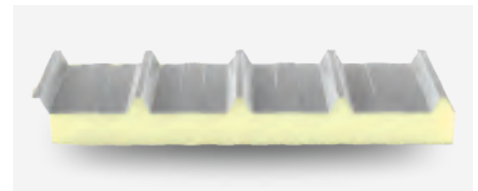
- 50mm thick sandwich panels.
- Pre painted Galvanized iron sheets on either side.
- Expanded polystyrene core.
- RAL-9002 Off White/ Appliance White color.

ROOF SHEET



- Pre painted galvanized trapezoidal metal sheet.
- 0.40 mm thickness (preferably Blue color).
- Easily Fixed with SD screw on Purlins.

ROOF PANEL



- 50mm EPS sandwich roof panels or 50mm EPS sandwich ceiling panels

DOORS



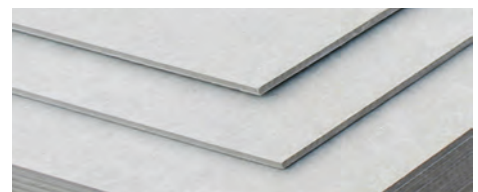
- Made of sandwich panels
- Same color as walls.
- 2100X900mm in dimension

WINDOWS



- Made of Powder coated (white color) Aluminum extruded section
- 4mm non toughened window glass.
- 1740x970 mm in dimension.

FLOOR BOARD



- 18mm Cement fiber board of EPACK approved make.
- Can be fixed on the floor beam with M5x30mm SD Screw.

COMPONENTS



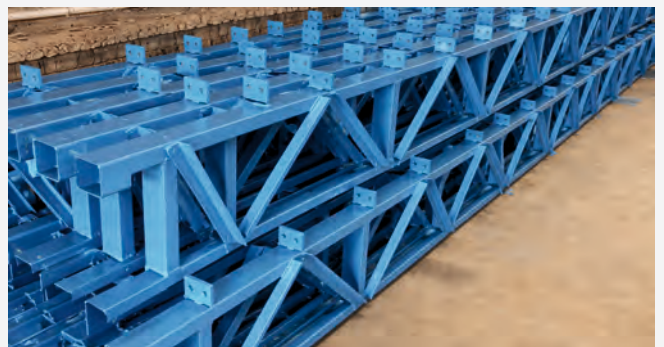
UN-PAINTED COLUMNS



PAINTED COLUMNS



UN-PAINTED FLOOR JOIST



PAINTED FLOOR JOIST



STAIRCASE



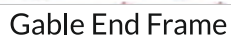
RAILING



FLOOR JOIST & PURLINS



FALSE CEILING



EPACK RECOMMENDED LAYOUTS



House Engineers Accomodation (12K X 3K X 3P)



House Site Office (12K X 4K X 3P)



House Time Office (12K X 4K X 3P)



EMPANELMENTS



CERTIFICATIONS



ACCOMMODATION

(PREFAB, K-HOUSE)



Scan to Watch Project Videos



HERO MOTOCORP

📍 Sri City, Andhra Pradesh

📏 31,107 sqft.



L&T

📍 Bellari, Karnatka

📏 1.54 Lakh sqft.



CHAMBAL FERTILIZERS

📍 Jaipur, Rajasthan

📏 20,795 sqft.

ACCOMMODATION

(PREFAB, K-HOUSE)



SHAPOORJI PALLONJI

📍 New Delhi

🏠 1.6 Lakh Sqft.



JINDAL RENEWABLE

📍 Bellari, Karnatka

🏠 1.54 Lakh sqft.



PPL

📍 Raigarh, Chhattisgarh

🏠 20,795 sqft.

ACCOMMODATION

(PREFAB, SANDWICH PANELS)



Scan to Watch Project Videos



MASS HOUSING FOR VTC



TATA POWER

Hisar, Haryana

38,664 sqft.



JSPL

Jaipur, Rajasthan

20,795 sqft.

PARTICIPATIONS





SALES TEAM PRESENCE

New Delhi , Jaipur, Mumbai, Pune, Vadodra, Bhubaneswar, Vapi, Surat, Kolkata, Indore, Bangalore, Vizag, Jamshedpur, Patna, Coimbatore, Chandigarh, Guwahati

BRANCH OFFICES

- HYDERABAD:- 101 A, Trendz Sapphire Building, Hitech City Hyderabad-500081 Telangana, INDIA
- CHENNAI:-152, 2nd Floor, Guleacha Tower, Somasundara Bharathi Nagar, Chennai Tamilnadu-600026, INDIA.
- AHMEDABAD:- 1013, One World West, Sardar Patel Ring Road, Bopal, Ahmedabad Gujarat-380058, INDIA



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Technical & Product Brochure

MANUFACTURING PLANTS / OFFICES

- UNIT-1&2:-B 13 & 14 Ecotech-1st Extension Greater Noida-201306 Uttar Pradesh, INDIA
- UNIT-3:-SP5/128, Ghiloth Industrial Area, Ghiloth-301705 Rajasthan-INDIA
- UNIT-4:- Plot No-5, APIIC Industrial Park, Mambattu (Near Sricity), Tada Mandal Tirupati District-524401 Andhra Pradesh, INDIA
- UNIT-5:- Plot No- 6, APIIC Industrial Park, Mambattu (Near Sricity), Tada Mandal Tirupati District-524401 Andhra Pradesh, INDIA



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Videos



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