



QUICK.
EASY.
AFFORDABLE.



Confederation of Indian Industry



Suroj Modular Housing

Suroj Modular Housing Pvt. Ltd. is an innovator in the emerging field of pre-fabricated housing. **Suroj** was founded by two veterans of the construction industry with the vision of transforming the landscape of the home building industry.

As a facilitator in the field of pre-fabricated housing construction, **Suroj** is also engaged in providing end-to-end services for the construction industry including **Planning, Designing, Manufacturing and Installation.**

The design and construction team at **Suroj** is equipped with significant experience, catering to a wide spectrum of requirements with their creativity, attention to detail and commitment to quality. With this as the foundation to every project, you can be assured that every housing solution becomes a reality.

Our state-of-the-art production facility located at Jejuri, just outside Pune, can fulfill varied requirements of production from very large to small-scale productions. Whether you are looking for temporary site office, labour accommodation, warehouses, schools, family house, and custom-built structure, **Suroj** will deliver.



Areas of Application



Staff
Accommodation



Accommodation
Structure



Project
Office



Project Dining /
Kitchen Facility



Disaster
Management
Camp



School and
Training
Centers



Anganwadi /
Creche



Primary
Health Centers



Accommodation Structure

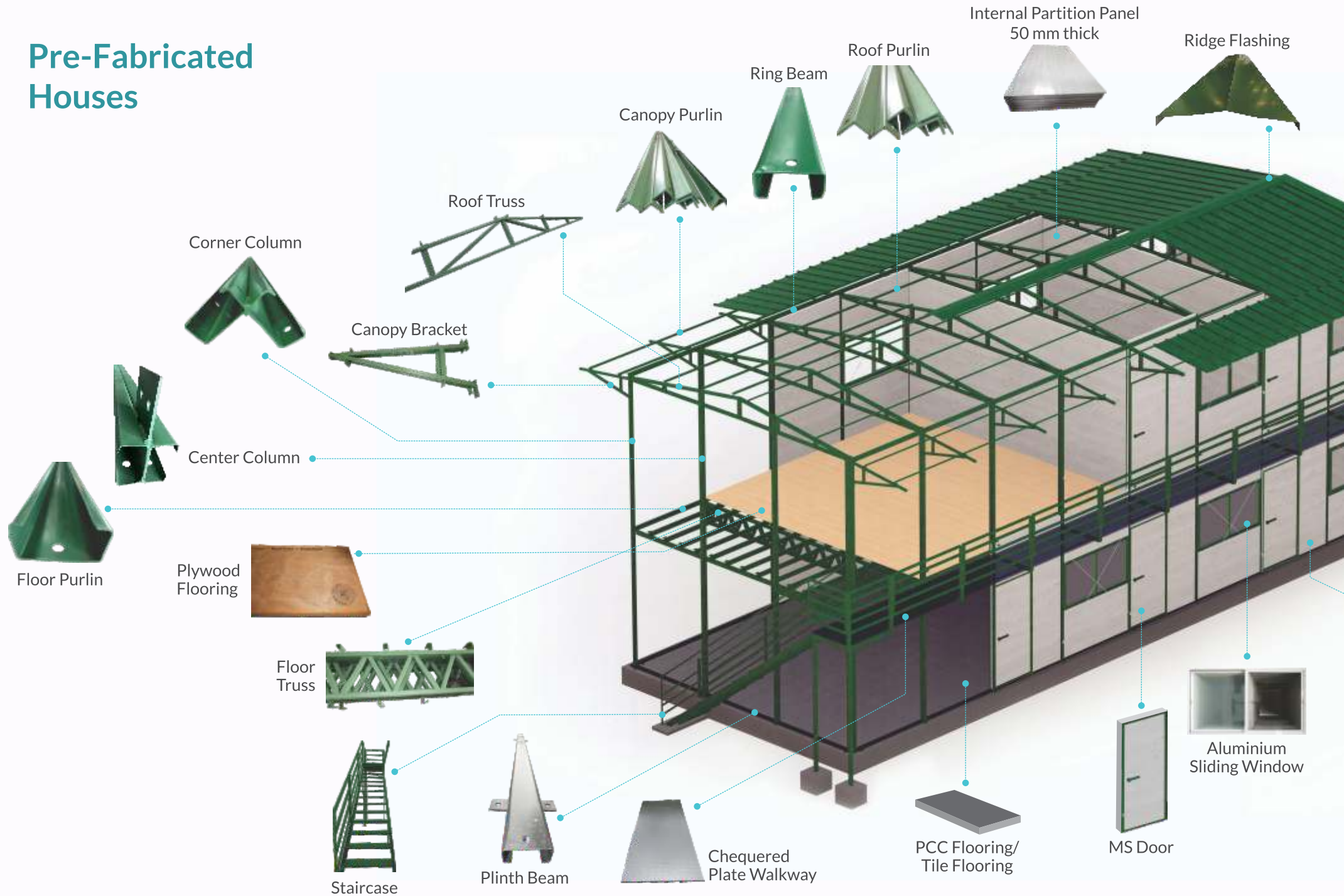
The only structure which faced & survived without any damages, the 'Vardah Cyclone', with a wind speed of

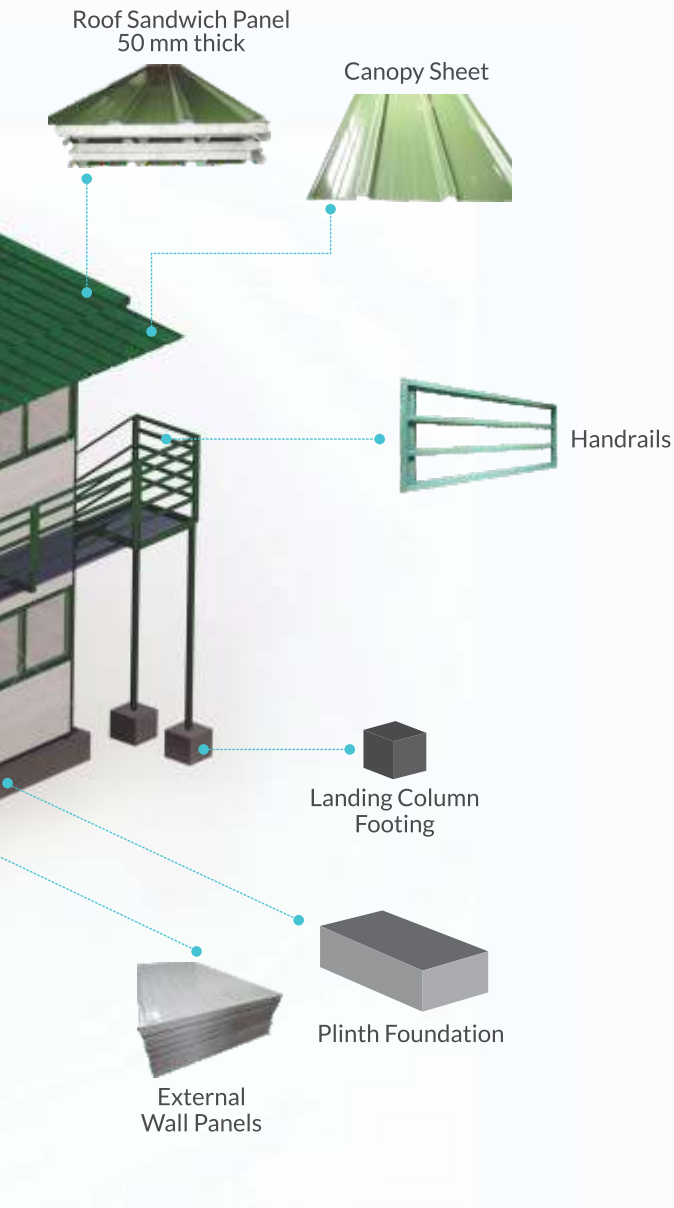
120kms/hour

at Tamilnadu on 12th December 2016.

Suroj is committed to working towards its thought of 'Quick, Easy, Affordable' modular construction. It strives to achieve these goals by delving in product innovation, design and planning at an affordable price.

Pre-Fabricated Houses





The Standard 'K' Series Building

The standard 'K' house specifications for length and width are calculated in multiples of 'K', with 'K' as modulus ($K = 1.82\text{m}$) and 'P' as modulus for height ($P = 0.95\text{m}$).

The length and width of the house can be planned with multiples of 'K'.

The least multiple is 2K. The height of a regular single storey is 3P and double storey is 6P. Other specifications are made separately.

The roof truss, columns and corridors of standard 'K' houses are made of 'C' type and 'H' type light steel framework. The wall and roof panels are made of sandwich panels. The front and rear part of the house can be fixed with doors and windows on the modular panels.

Design Parameters

1	Roof Dead Load	30 kg/m ²
2	Roof Live Load	50 kg/m ²
3	Floor Dead Load	50 kg/m ²
4	Floor Live Load	200 kg/m ²
5	Wind Speed	140 km/h

What is EPS?

Expanded Polystyrene (EPS) is a lightweight cellular plastics material consisting of small spherical shaped particles. It contains 98% air and this micro cellular closed cell construction provides EPS with excellent insulating and shock absorbing characteristics.

What is EPS Sandwich Panel?

Sandwich panels are typically single piece, factory made units comprising two steel sheets and a fully insulating lightweight core. The steel sheets are fully bonded to the core so that the panel acts compositely when under load, in most cases, providing free standing panels. The insulating core is bonded to the steel sheets using a conventional adhesive.

Sandwich Panels are used extensively for the external roof and wall cladding of buildings in most construction sectors. They are used for their thermal and energy saving properties and their construction and installation cost saving benefits.



30 minutes fire resistant EPS panels as Certified by Govt. Approved Lab



Internal/
External Sandwich
Wall Panel



Roof
Sandwich
Panel

Salient Features of EPS Sandwich Panel:

- EPS is free from formaldehyde & other ozone depleting blowing agents
- Shock absorption
- Durable
- Long life, low maintenance
- Easy to use
- Air-tightness for controlled environment
- Lightweight, fast & economic construction
- High load bearing capacity at low weight
- Effective and durable thermal insulation
- Optimal working environment through anti-noise function
- Reduction of construction duration

EPS is a best Recyclable Insulating Material



International Flavours & Fragrances India Pvt Ltd
Project Office



Shapoorji Pallonji & Company Pvt Ltd
G+1 Accommodation Structure
Back-to-Back Arrangement



China Construction Sausam (India) Pvt Ltd
Site Office



Soma Dogus JV
G+2 Accommodation
Structure



Projects

Hulhumale,
Maldives Islands



Our Clients

 <p>Shapoorji Pallonji</p>	 <p>L&T Construction Buildings & Factories</p>	 <p>IRB INFRASTRUCTURE DEVELOPERS LTD</p>	 <p>CAPACITE</p>	 <p>NCC NCC Limited</p>	 <p>ASHOKA Ashoka Buildcon Ltd.</p>
 <p>CHINA CONSTRUCTION SAUSAM INDIA PVT LTD</p>	 <p>SHIMZU CORPORATION SHMZ</p>	 <p>SMCC CONSTRUCTION INDIA LIMITED</p>	 <p>OIL Delivering Endlessly Offshore Infrastructure Limited</p>	 <p>SJ CONTRACTS PVT LTD</p>	 <p>MILLENNIUM ENGINEERING & CONTRACTORS PVT. LTD.</p>



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