





# THE REVOLUTIONARY MODERN CONSTRUCTION SOLUTION













# EXPERIENCE THE HABINEST ADVANTAGE



### **High Speed Construction**

Construction time is nearly 1/3<sup>rd</sup> as compared to conventional techniques



### **High Tolerance**

Extremely robust and more resistant to seismic disturbances than conventional housing



### **Stringent Quality Control**

Tata Steel's in-house steel is utilized, providing high-quality guarantee on material



### State-of-the-Art Technology

Designed using cutting-edge technology enabling precision to the last millimetre



### **Low Construction Waste**

HabiNest generates low construction waste & gives environmental benefits



### **Safer Construction**

Less on-site labour & controlled operation ensures increased safety



### **Insect Resistant**

HabiNest eliminates the termite problems prevalent in wood-based construction



# Construction in Difficult Terrain

HabiNest is easier to construct in harsh terrains as compared to traditional methods



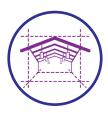
HabiNest can be used to construct:



# HABINEST IS SIGNIFICANTLY BETTER IN LIFE CYCLE IMPACT

A life cycle assessment study conducted for HabiNest with a similar conventional RCC structure highlighted significant environmental benefits for HabiNest over a range of life cycle categories.\*

### THE HABINEST IMPACT



Requires

65% lesser

material resources than a conventional structure



Consumes

48% lesser

fresh water than a conventional structure



Greenhouse gas related impacts are

53% lesser

than a conventional structure



# ADVANTAGE OF HABINEST OVER RCC AND MS TUBULAR CONSTRUCTION

	HABINEST	MS TUBULAR STRUCTURE	RCC CONSTRUCTION
Maintenance requirement of structural part	Low	High	Low
Erection process	Manual lifting & erection. Lesser requirement of onsite workforce	Heavy lifting equipment needed	Heavy material handling needed at the on-site. More requirement of onsite workforce
Strength vs. weight ratio	More	Less	Least
Installation Quality Assurance	Better. No welding required on-site. Factory made components available	Difficult to maintain site quality as direct welding might be needed at site	More onsite work, close monitoring needed to ensure quality
Premium look & feel	Possible	NOT Possible	Possible
Seismic resistance	High	Relatively lower	Lower than MS Structure
Time to construct	20,000 Sq.Ft. building in 3 months	20000 Sq.Ft. building in 5 to 7 months	20000 Sq.Ft. building in 10 to 11 months
Level of difficulty to construct in difficult terrains	Low	Medium	Highly difficult







Foundation & Plinth

- Reinforced concrete foundation and beams
- Plinth filling and compaction

Structure

- Light Gauge Steel frame thickness 0.8 mm 550 MPa, 250 GSM or AZ150 Galvalume
- HR Steel as per structural requirements

Flooring System

- Floor joint, board and tiles
- Decking sheet with concrete & tiles/ laminated wooden flooring

Walls

- Fibre cement/ gypsum boards
- Insulated walls with rock wool/ glass wool
- Putty, exterior/ interior paint, wallpaper

05 Roofi

### **Roofing System**

- Colour coated roofing sheets
- Roof shingles/ clay tiles
- Flat and accessible RCC roof

# HABINEST SUCCESS STORIES

## MANIPAL TATA MEDICAL COLLEGE, JAMSHEDPUR

The HabiNest structure was built in a very short time and it withstood the onslaught of Cyclone Amphan.



CUSTOMER
MANIPAL ACADEMY
OF HIGHER EDUCATION



10 BUILDINGS 23,000 SQ.FT



DURATION OF CONSTRUCTION 90 DAYS







## INDIAN OIL CORP LTD, PARADIP

It was the first time Nest-In was doing full-fledged multi-storey HabiNest construction for a big PSU like IOCL.



CUSTOMER INDIAN OIL CORPORATION



PROJECT SIZE
G+1 HOSTEL BUILDING
14,000 SQ.FT



DURATION OF CONSTRUCTION 7 MONTHS



### **ANGANWADI BUILDING, KARNATAKA & KASHMIR**

Nest-In demonstrated timely execution in diverse and harshest of terrains, spread across multiple locations.





CUSTOMER
TATA SUSTAINABILITY
GROUP



**PROJECT SIZE** 6,000 SQ.FT



1 MONTH



# For A Better Life Everyday

Our core endeavour as Nest-In is to improve the lives of Indians every day. It is our mission to provide suitable and world class shelter, sanitation and drinking water solutions to all sections of our society. Nest-In carries forward the legacy and trust of Tata Steel in providing customised solutions for community requirements across India. We are committed towards sustainable communities, development and innovation. We have embarked upon a journey to transform the way people live. Yes, we are doing everything we can to touch and change millions of lives for the better. Every day.







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