

E-Newsletter-Vol - XXX

# LIGHT HOUSE PROJECTS

July 31, 2023, New Delhi



## An overview of LHP Indore

After Light House Project (LHP) Chennai and Rajkot, Indore is the next in line to be inaugurated. Comprising of 1,024 dwelling units at a prime location in the city, LHP Indore has been built using Prefabricated Sandwich Panel System with Pre-engineered Steel Structural System technology, an already established system for building construction in Australia, Japan, African and Gulf countries. It replaces conventional brick and mortar walling construction practices. Fast tracking of construction process, resource efficiency, drastic reduction of water consumption are some of the special features of the technology.

Constructed at a cost of ₹ 128 crore, the total built up area of LHP Indore is 45,631.97 sqm. The project is spread in 8 towers in a S+8 floor setting. All modern and basic infrastructure such as community centre, solid waste management plant, water supply, drainage, sewerage system, rain water harvesting, STP, internal roads, lifts, solar lighting, etc., are equipped here. The beneficiaries have already been identified for this project.



*"When we visited the Light House Project, we were amazed to know that we can afford this home. Thanks to Hon'ble Prime Minister for launching this initiative of providing affordable housing through use of new construction technology."*

*- Smt Suman Bhalse, Beneficiary of LHP Indore*



## JS&MD, HFA chairs Project Monitoring Committee meeting to review progress of Light House Projects

On 21<sup>st</sup> July 2023, a meeting to review progress of LHPs at Indore (Madhya Pradesh), Lucknow (Uttar Pradesh), Ranchi (Jharkhand) and Agartala (Tripura) was chaired by Shri Kuldeep Narayan, Joint Secretary & Mission Director (JS&MD), Housing For All (HFA), Ministry of Housing and Urban Affairs (MoHUA). This was the 16<sup>th</sup> meeting of the Project Monitoring Committee (PMC), constituted to evaluate progress of LHPs.

Shri RK Gautam, Director, HFA, senior officials of the Ministry, officials from the various State Governments, officials of BMTPC, officials associated with the LHP construction agencies and other concerned stakeholders also attended the meeting.

During the meeting, JS&MD, HFA was apprised about the progress at each LHP site through a presentation, along with photos and highlights, summing up the work done so far. Chennai, Rajkot, Indore, Lucknow, Ranchi and Agartala are the six cities hosting the LHPs. The projects in Chennai and Rajkot were completed in



2022 and inaugurated by Hon'ble Prime Minister. LHP Indore is the final stage of completion, whereas LHP Lucknow and LHP Ranchi are in advanced stages of completion while Agartala is under construction.

After taking a considerate view on the progress of projects, JS&MD, HFA emphasised that necessary steps must be taken to ensure regular and timely supply of materials and deployment of additional manpower to complete the four LHP projects in all respect within the stipulated time frame.

*State-wise review of LHPs is as follows:*

### LHP Indore



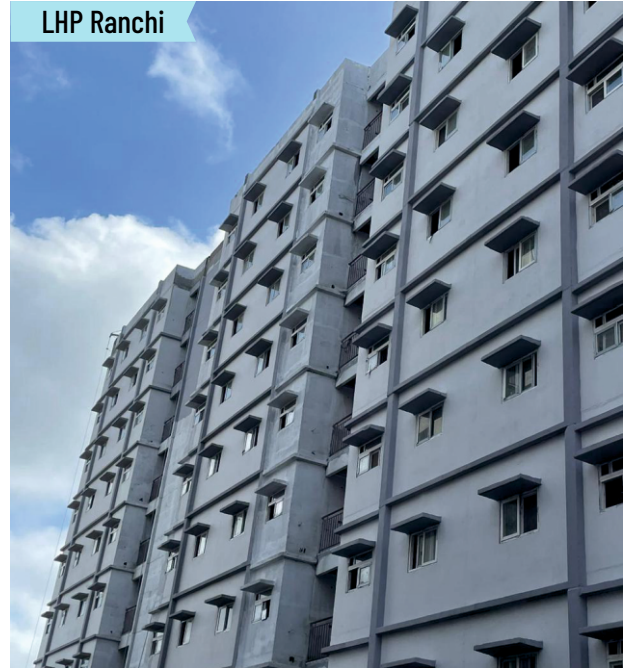
**LHP Indore:** Superstructure work and finishing work have been completed at the site while lift installation is in progress.



**LHP Lucknow**

**LHP Lucknow:** Finishing work is completed in Towers A1, C & D and lift installation work is currently being done. The superstructure work has reached the advanced stage in Towers A2 & B and finishing work is in progress simultaneously.

**LHP Ranchi:** Superstructure work of all 7 towers is complete and finishing work is in progress while the lift installation work is also progressing. The infrastructure work is also ongoing in full swing. The concerned officials have been directed to put more resources and speed up the work.

**LHP Ranchi****LHP Agartala**

**LHP Agartala:** Superstructure work, including LGSF, is currently under progress in Towers A & F. The shear wall work and left well is also ongoing in Towers B, C, E & G. JS&MD directed the agency to increase manpower and other resources on site to complete work at a fast pace.



## Hon'ble Mayor of Indore visits LHP Indore



On 17<sup>th</sup> July 2023, Shri Pushyamitra Bhargav, Hon'ble Mayor of Indore, visited Light House Project Indore along with other officials of Indore Municipal Corporation. Shri Bhargav was briefed about the project, the technology used for construction and other relevant information related to the project by officials present on site. He also took a tour of the entire project, visited the flats and issued necessary guidelines to the officers with respect to completion of LHP Indore in all respect.





## Message from JS&MD (HFA) Shri Kuldip Narayan

As I write this message, I am overwhelmed to share with my readers that the third Light House Project, located in Indore, will be inaugurated soon and with this, it will be home to over thousand families. These families belong to different walks of life & have had their share of struggle when it comes to having a permanent pucca house in their name. The struggle, however, will get over once they shift to their home at LHP Indore. The flats here are constructed using the best of technologies & with all amenities in place, it ensures that the residents get a dignified living environment.

I have interacted with beneficiaries who are staying at LHP Chennai and LHP Rajkot & they expressed their happiness over being owners of a pucca house & that too, in a well-planned society. LHPs are improving the quality of life of families and ensuring that they have a bright & better future.

We monitor the projects on a daily basis along with visiting the sites time to time. At the PMC meetings that I chair, all the LHP agencies are connected at one place so that we can get an overview of the sites at a whole.

Since the launch of LHPs, we have hosted various students, professionals, Government officials, urban practitioners, architects, engineers & other stakeholders at the different sites where they have witnessed functioning of cutting-edge construction technologies & how they can be put to use for future projects.

LHPs focus on affordability & inclusivity and create a sustainable & liveable environment. It is a beacon of innovation in the housing sector!

## Study tour at LHP Indore

A study tour at Light House Project Indore was conducted by Smt Pratima Bhadane, Joint Secretary, Urban Development Department and Shri Ajit Kawade, Deputy Secretary, Housing Department, Government of Maharashtra on 9<sup>th</sup> July 2023. Various other senior officials from the Government of Maharashtra were also part of the study tour.



The LHP sites are visited by several officials from different State/UT Governments on regular basis to understand about the housing project, its specifications, technologies and other nitty-gritties related to the project.

## Technograhis visit at LHP Agartala

On 16<sup>th</sup> July 2023, students of NIT, Agartala visited LHP Agartala and it proved to be an insightful experience for them as these Technograhis had the opportunity to explore and understand the prominent construction technologies in use - Light Gauge Steel Frame (LGSF) & Pre-Engineered Building (PEB). The students



witnessed first-hand application and benefits of these innovative techniques in construction of affordable housing.

At LHP Agartala, construction of 1,000 houses is underway. It has a total of 7 towers.

## NAVARITI: New, Affordable, Validated, Research Innovation Technologies for Indian Housing

After successfully conducting 15 batches of the e-Course on Innovative Construction Technologies - NAVARITI - registrations have opened for the 16<sup>th</sup> batch of the e-Course. Under NAVARITI, about 1,045 professionals

have gained experience about latest materials and technologies being used worldwide for housing. Through the course, one can get awareness of the state of art of materials and technologies in terms of properties, specifications, performance, design and construction methodologies to successfully adapt these in day-to-day practice and also get exposure to execute projects where such materials and technologies have been implemented.

The 16<sup>th</sup> batch will begin from 27<sup>th</sup> October 2023. Registrations are open at <https://ict.bmtpc.org/>.



## Light House Projects: Realising Dreams, Bringing Joy

The Light House Projects have turned beneficiaries' dreams into reality. The projects' green landscapes, thoughtfully designed amenities and modern infrastructure have left the beneficiaries spellbound. As the completion nears, their regular visits and heartfelt conversations reflect the joy and gratitude they feel.

LHPs focus on sustainability and affordability has fulfilled the expectations, providing Economically Weaker Sections with a place they can truly call home. The positive impact on their lives is evident, igniting hope for a brighter and more promising future. During their visit to different sites, beneficiaries are briefed about construction technologies, salient features and other advantages of the project as whole.

“बहुत साल से मैं एक घर की कामना कर रहा था। आखिरकार मेरी इच्छा पूरी हो रही है। प्रधान मंत्री आवास योजना ने मेरी जिंदगी बदल दी है। मैं अपने परिवार के साथ अब एक सुखी और सुरक्षित जीवन बिता सकता हूँ।”

- श्री प्रफुल्ल राज शुभम, एलाएचपी लखनऊ के लाभार्थी



“We are overwhelmed with gratitude towards the Government of India for their unwavering commitment to provide affordable housing. The Light House Project has given us the chance to build a better future for ourselves and our families.”

- Mr Biswajit Roychowdhury, Beneficiary of LHP Agartala

“We are grateful to the Government of India for acknowledging the need for affordable housing and taking concrete measures to address it. The EWS housing provided through the PMAY-U has had a positive impact on our lives.”

- Mr Dilip De, Beneficiary of LHP Agartala



“The house is equipped with all facilities. The living room, kitchen are very spacious and the house has a balcony too. These flats under LHPs are best for a family to live in.”

- Mr Santosh Kumar, Beneficiary of LHP Ranchi

“Light House Project at Rajkot gave us access to a dignified living at an affordable price. We wish similar housing projects come up in the country so that more people like us, who used to live on rental basis, can have their own home as well.”

- Smt Harsha D. Moridhara, Beneficiary of LHP Rajkot





# PROGRESS OF LIGHT HOUSE PROJECTS AS ON JULY 31, 2023

## INDORE, Madhya Pradesh

Technology Name: **Prefabricated Sandwich Panel System**



No. of Dwelling Units : **1024 Nos. (S+8)**  
 No. of Block / Tower : **8 Blocks**  
 Units in each Block / Tower : **128 Nos.**

Activities	Progress
<b>Superstructure</b>	
PEB Work	72 out of 72 Floors completed in 8 blocks
Slab Work	72 out of 72 Floors completed in 8 blocks
EPS Panel work in Wall	64 out of 64 Floors completed in 8 blocks
<b>Finishing Work</b>	Completed in 1, 2, 3, 4, 5 & 6 blocks and nearing completion in 7 & 8 blocks
<b>Infrastructure Work</b>	Community Centre, Road work, underground tank, STP & Sewer line works completed and boundary wall work is nearing completion



## LUCKNOW, Uttar Pradesh

Technology Name: **PVC Stay in Place Formwork System**



No. of Dwelling Units : **1040 Nos. (S+13)**  
 No. of Block / Tower : **4 Blocks**  
 Units in each Block / Tower : **A(494), B(130), C(208) & D(208)**

Activities	Progress
<b>Superstructure work of Building Blocks</b>	
Pre-Engineered Steel Building (PEB) Work	<ul style="list-style-type: none"> <li>Block A1 (Part of Block A), Block C &amp; D - Completed</li> <li>Blocks (A2 &amp; B) - In progress up to 11<sup>th</sup> &amp; 13<sup>th</sup> floor level respectively</li> </ul>
SIP Wall Form work	<ul style="list-style-type: none"> <li>Block A1, Block C &amp; D - Completed all 624 DUs</li> <li>Blocks (A2 &amp; B) - Completed upto 9<sup>th</sup> Floor (A-2) &amp; in Progress at 10<sup>th</sup> &amp; 12<sup>th</sup> floor level (Block B). Completed 304 DUs out of 416 DUs</li> </ul>
Shear Wall Work (Staircase & Lift well)	<ul style="list-style-type: none"> <li>Block A1, Blocks C &amp; D - Completed</li> <li>Blocks (A2 &amp; B) - In progress up to 13<sup>th</sup> floor level</li> </ul>
<b>Social Infrastructure</b>	Community Centre & Commercial block is completed
<b>Infrastructure Work</b>	<ul style="list-style-type: none"> <li>UG Water Tank, STP - Civil work completed</li> <li>Boundary Wall - Nearly completed</li> <li>Rain Water Harvesting Pits - Completed</li> <li>Road Work, Electric Substation, Gardening &amp; Electrical Pole - Work in Progress</li> </ul>



# PROGRESS OF LIGHT HOUSE PROJECTS AS ON JULY 31, 2023

## RANCHI, Jharkhand

Technology Name: **Precast Concrete Construction – 3D Volumetric Construction**



No. of Dwelling Units : **1008 Nos. (G+8)**  
 No. of Block / Tower : **7 Blocks**  
 Units in each Block / Tower : **144 Nos.**

Activities	Progress
<b>Casting Yard (Production of Components)</b>	In the casting yard, the production of nearly all Modules/ various components (About 10,784 numbers) have been completed
<b>Foundation work</b>	The Raft & Grade slabs of all 7 building blocks have been completed
<b>Superstructure</b>	Block wise status of erection of Modules / building components ; • Blocks 1, 2, 3, 4, 5, 6 & 7 - All 8 Floors completed
<b>Infrastructure work</b>	• Pre-cast boundary wall - About 56% of total length completed • STP – Foundation work completed & 2 <sup>nd</sup> lift wall shuttering work is in progress • UGWT – Civil work is nearly complete • Road Work - In progress

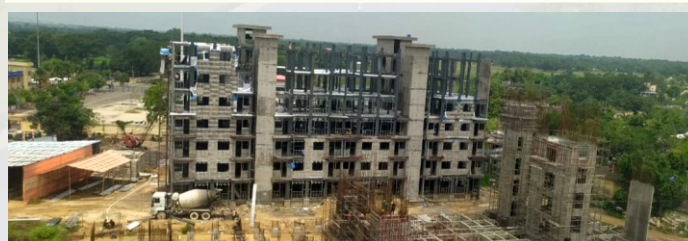
## AGARTALA, Tripura

Technology Name: **Light Gauge Steel Structural System & Pre-Engineered Steel Structural System**



No. of Dwelling Units : **1000 Nos. (G+6)**  
 No. of Block / Tower : **7 Blocks**  
 Units in each Block / Tower : **A(111), B(152), C(125), D(167), E(167), F(167) & G(111)**  
 Shearwall work : **A, E, F & G Completed  
 B & C up to 3<sup>rd</sup> floor  
 D not started**

Activities	Progress
<b>Foundation (Dwelling Units)</b>	
Pile Work and Pile head breaking	Completed in all 7 Blocks
PCC for foundation	Completed in all 7 Blocks
Raft Foundation	A,B,C, E, F & G Block completed and D - Block is in progress
<b>Plinth Beam &amp; Pedestal Column Casting</b>	A, C, E, F & G Block completed and B Block is in progress
<b>Superstructure</b>	A, B, C, E, F & G Block is in progress
<b>LGSF</b>	A & F Block up to 6 <sup>th</sup> floor





## Social Media Corner



**8 years of PMAY-U 2015-2023**

**LIGHT HOUSE PROJECTS**  
Bringing technology & innovation closer

**LHP Chennai** **LHP Rajkot** **LHP Indore**  
**LHP Ranchi** **LHP Agartala**

**pmay.urban**  
LightHouseProjects are fulfilling dreams of poor of building houses built with modern technology. With adoption of globally innovative technologies for each LHP site, we have redefined the way construction was perceived in the country.  
LHPs demonstrate onsite use of innovative technologies for rapid, climate resilient and sustainable construction.  
LHPChennai & LHPRajkot have been inaugurated by Hon'ble Prime Minister in 2022 & now thousands of families are spending a dignified life in their homes here inside a gated & well-maintained society. LHP Indore, Lucknow, Ranchi & Agartala are in advanced stages of construction.  
#8GloriousYearsOfPMAYUrban #PMAYUrbanTransformingLives #HousingForAll #PMAYUrban #GHTCIndia #TransformingLives #TransformingUrbanLandscape #GharukaApnaPuranuSadapna #G20India

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**Pradhan Mantri Awas Yojana - Urban, Government of India**  
16 July at 15:57

Exploring the future!  
Visit to **#LightHouseProject** Agartala by students of NIT, Agartala proved to be an insightful experience as these **#Technograhis** had the opportunity to explore & understand two prominent construction technologies: Light Gauge Steel Frame (LGSF) & Pre-Engineered Building (PEB). They witnessed first-hand application & benefits of these innovative techniques in construction of affordable housing.  
At **#LHP** Agartala, construction of 1,000 houses is underway. It has a total of 7 towers.  
**#HousingForAll** **#PMAYUrban** **#GHTCIndia** **#AffordableHousing** **#LightHouseProjects** **#LHPs** **#TransformingUrbanLandscape** **#G20India**

**Housing For All**  
@PMAYUrban

Best-in-class finish, all basic & modern amenities that are being offered, along with prime location of **#LHPIndore** is attracting people to visit the project & book their flats.

**#8GloriousYearsOfPMAYUrban** **#LightHouseProjects** **#LHPs**  
**#HousingForAll** **#TransformingUrbanLandscape**



**Housing For All**  
@PMAYUrban

Elegant, beautiful & a sight to behold!

Presenting glimpses of **#LightHouseProject** Indore. The project which comprises of 1,024 housing units has been built using modern & innovative construction technologies. House allotment process is ongoing at site.

**#PMAYUrban** **#GHTCIndia**



**Housing For All @PMAYUrban - Jul 26**  
Have you seen the latest version of **#LightHouseProject** E-Newsletter yet?  
Read in detail about **#LHPs**, its progress, various activities held, site visits & meetings undertaken, what **#LHP** beneficiaries have to say about their dream homes & much more.

**#PMAYUrban** **#GHTCIndia**



**Housing For All**  
@PMAYUrban

Light House Projects: Making a difference!

Beneficiaries of upcoming **#LightHouseProjects** at Lucknow, Indore, Ranchi & Agartala are regularly visiting the different sites to witness the progress of projects.

**#HousingForAll** **#PMAYUrban** **#GHTCIndia**

