

E-Newsletter-Vol - XXXVI

# LIGHT HOUSE PROJECTS

31<sup>st</sup> January 2024, New Delhi

## JS&MD, HFA visits Light House Project Lucknow



On 28<sup>th</sup> January 2024, Shri Kuldip Narayan, Joint Secretary & Mission Director (JS&MD), Housing For All (HFA), Ministry of Housing and Urban Affairs (MoHUA) visited Light House Project Lucknow, Uttar Pradesh. Senior officials from the State Government were also present on site. Shri Narayan conducted a thorough assessment of LHP Lucknow, during which he was informed by the construction company and other State Government representatives on the project's status. LHP Lucknow has been completed and is ready for inauguration. JS & MD, HFA also reviewed the preparedness of the project in all respects for early inauguration.

The project comprises of 1,040 dwelling units constructed using Canada's "Stay In Place PVC Formwork with Pre-Engineered Steel Structural System" technology. The total project cost is ₹ 130.90 crore. All civic and basic infrastructure has been equipped here along with provision of community centre and commercial centre inside the premises.

The beneficiaries of LHP Lucknow have already been identified. The innovative construction technology employed in LHP Lucknow will give the families a sustainable and futuristic living experience.



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

The Light House Projects are advancing towards their completion stages and the excitement among the future homeowners is very inspiring. LHPs have been constructed using revolutionary innovative global technologies that have given these families a future ready home with modern infrastructure.

With the completion of these LHPs, the dreams of living an upgraded life are turning into reality for thousands of beneficiaries. In Chennai, Rajkot and Indore, beneficiaries are already living a transformed life and now, we are ready to welcome beneficiaries at LHP Lucknow. The construction technology adopted at LHP Lucknow offers several advantages over traditional methods, including faster construction, improved energy efficiency and reduced maintenance.

I visited LHP Lucknow recently and had a detailed discussion about the project with the concerned officials. The project will be inaugurated in some time from now and true to what our future beneficiaries are saying, owning a house at this prime area of the city will be a surreal experience for them. Meanwhile, close monitoring of the projects are also being done through online meetings, visits by other officials to the sites.

The Ministry has given impetus to adopting new and innovative technologies to showcase their use for further mainstreaming in the country and LHPs have paved the path for their use in future context.

I appreciate the efforts put in by each person associated with the project and taking it further to new heights.

My best wishes!

## JS&MD, HFA reviews progress of Light House Projects at Project Monitoring Committee meeting



The 20<sup>th</sup> meeting of Project Monitoring Committee (PMC) was held on 4<sup>th</sup> January 2024 under the chairmanship of Shri Kuldip Narayan, JS&MD, HFA. During the meeting, JS&MD reviewed the progress of upcoming LHPs at Lucknow (Uttar Pradesh), Ranchi (Jharkhand) and Agartala (Tripura). Shri RK Gautam, Director, HFA and other senior officials of Ministry were present at the meeting along with respective State Government officials, representatives from the three construction agencies and officials from Building Materials and Technology Promotion Council (BMTPC).

A presentation regarding the status of ongoing activities at the LHP sites was made which was followed by state-wise presentations, progress of LHPs was reviewed in detail. JS&MD, HFA, directed the respective LHP construction agencies to expedite the construction activities. Issues related to the ongoing construction activities were also discussed in detail during the meeting. Concluding the meeting, JS&MD, HFA reemphasised on all agencies to take necessary measures for timely supply of materials and additional manpower to complete the LHPs in all respects.

LHP Lucknow



LHP Ranchi



LHP Agartala





## Realizing Aspirations: Light House Projects, the upcoming hub of innovation

Light House Projects stand as a testament to cutting-edge building construction technology and materials. This revolutionary initiative employs innovative and globally proven technologies, ensuring rapid and efficient construction. What sets LHPs apart is its commitment to providing not just homes but a sustainable and modern living experience.

At the LHP sites, the Climate Smart Buildings (CSB) Cell team is actively involved in engaging with visitors. Their role is not only to oversee the technical aspects but also to ensure that visitors, especially the future residents, comprehend and appreciate the innovative construction methods employed. The beneficiaries are provided with comprehensive explanations on the technology and their queries are also addressed. The feedback from the beneficiaries paints a vivid picture of anticipation and delight as they eagerly await the realisation of their dreams in these modern and comfortable homes.

“ हम बहुत उत्साहित हैं कि बहुत जल्द ही हमारे घरों का मुहूर्त होने वाला है। हम जिस सपने को लेकर इतने वर्षों से मन में एक आशा बांधे रखे हुए थे वो सरकार द्वारा पूरी की गई। हमें हमारे सिर पर छत मिल गई इससे बढ़कर खुशी हमारे लिए कुछ नहीं। ”

- अभिनव मिश्रा, एलएचपी लखनऊ के लाभार्थी



“ हम जितना सोच सकते थे उससे कहीं ज्यादा ही उन्नत और सुविधाओं से पूर्ण है लाइट हाउस प्रोजेक्ट का हमारा घर। यहाँ की दीवारें, अंदर की फिनिशिंग, बाहर का साफ सुथरा वातावरण, दुकान आदि की सुविधा भी प्रोजेक्ट के अंदर ही कर दी गई है, ये सब पाकर हम बस सरकार की इस योजना का बहुत-बहुत धन्यवाद करना चाहते हैं। ”

- प्रशांत, एलएचपी लखनऊ के लाभार्थी



“ हम प्रधानमंत्री जी का और सरकार का बहुत-बहुत धन्यवाद करते हैं। इतने कम समय में और इतनी आधुनिक तकनीक द्वारा निर्माण करके हमें हमारा घर मिल रहा है। हमारा परिवार अत्यंत प्रसन्न है। बहुत आभार है। ”

- रोहित, एलएचपी लखनऊ के लाभार्थी



“The Light House Project has not only provided me with a house but has also given me a sense of pride and accomplishment.”

-Pal Rekha, beneficiary of LHP Agartala



“The joy of homeownership is surreal. We will have a space to create memories and grow our future thanks to PMAY-U.”

-Sumon Gupta, beneficiary of LHP Agartala

“इस फ्लैट को प्राप्त करना हमारे छोटे परिवार के लिए एक बड़ा सपना है। यह हमारी न केवल आर्थिक स्थिति में सुधार करेगा, बल्कि हमें किराए के मकान से भी मुक्ति प्रदान करेगा, इस अद्वितीय क्षण में, हम मोदी जी की असीम कृतज्ञता व्यक्त करते हैं।”

-मिताली चक्रवर्ती, एलएचपी रांची की लाभार्थी



“केंद्र सरकार ने सही बजट में हमें एक शानदार 1 BHK फ्लैट प्रदान किया है। इसमें बेडरूम, लिविंग रूम और किचन के साथ-साथ बालकनी भी हैं, जो बहुत ही सुंदर हैं। अब हम इस नए घर में शिफ्ट होने के लिए इंतजार कर रहे हैं। यह प्रोजेक्ट हमारे सपनों को हकीकत में बदलने का माध्यम बनेगा, और हम केंद्र सरकार के प्रति हृदय से कृतज्ञ हैं।”

-रेनू देवी का परिवार, एलएचपी रांची की लाभार्थी



## German journalist visits Light House Project Chennai, interacts with beneficiaries

Under GIZ's Climate Smart Building (CSB) programme, a German Journalist named Katharina Nickoleit recently visited Light House Project Chennai for a coverage of the project. LHP Chennai, which was inaugurated by Hon'ble Prime Minister in May 2022, is home to more than 1,000 families who once lived in slums. The use of new age technology and Climate Smart initiatives at LHP Chennai interested Ms Nickoleit for Quarks programme by WDR5 (German Broadcasting Station). The objective was to highlight key features that make buildings climate-smart and thermally comfortable, impact of passive design especially in urban centres, role of innovative construction technologies and how people benefit from houses that are better adapted to different climate conditions.

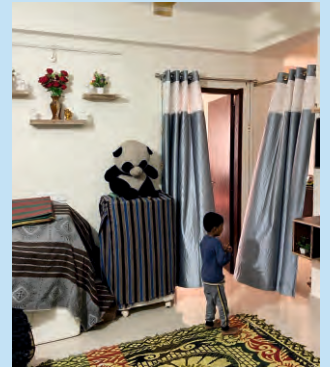
During her visit she met senior officials from Tamil Nadu Urban Habitat Development Board (TNHADB), BMTPC, and GIZ. She also interviewed the beneficiaries of LHP Chennai and to know about their experience of residing in houses which are thermally comfortable and built with new age construction technologies. Beneficiaries shared about their better living condition in their new houses, how doors of new opportunities have opened for them, how they feel safe and secured in pucca house and added that the buildings are so thermally comfortable that there is no need of air conditioners despite the harsh climatic conditions of Chennai.





## Ghar Hua Apna Pura Hua Sapna

Beneficiaries of Light House Project Indore have started to shift to their own houses. LHP Indore was inaugurated by Hon'ble Prime Minister on 5<sup>th</sup> October 2023 and since then, the housing project is welcoming its residents. These families expressed their happiness about transitioning from cramped spaces to the modern and green surroundings of LHP Indore which has also amenities to provide ease of living to the beneficiaries. The experience of living in aesthetically constructed buildings fills them with pride and a sense of accomplishment.



### Raising Awareness: LHP innovations lighting the future of affordable housing

In the pursuit of scaling innovative Light House Project technologies for widespread adoption, creating awareness among stakeholders is paramount. This concerted effort aims to pave the way for mass replication, ensuring that the benefits of these ground-breaking technologies reach far and wide. The Climate Smart Buildings (CSB) Cell recently organised a pivotal discussion at Agartala, the focus of which was to delve into the critical realm of passive design strategies and their indispensable role in achieving thermal comfort in affordable housing, especially within the unique context of Agartala. The conversation highlighted the nuanced intricacies of passive design, emphasising its potential to provide sustainable and cost-effective solutions, particularly crucial for affordable housing initiatives in the region. The LHP's forward-thinking design, integrating cutting-edge technologies and sustainable practices, was showcased as a guiding light for future affordable housing endeavours.

This dynamic exchange not only showcased the paramount importance of passive design but also served as a platform for a fruitful discussion on the ongoing



discoveries of LHP in Agartala. Such engagements continue to steer the trajectory of sustainable housing initiatives by fostering awareness and collaboration among key stakeholders. The efforts play a pivotal role in ensuring that the transformative innovations implemented in LHP become integral to the future landscape of affordable housing in Agartala and beyond.



# PROGRESS OF LIGHT HOUSE PROJECTS

## 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	• Completed in all building Blocks (A, B, C & D)
SIP Wall Form work (No. of Dwelling Units)	The entire 1040 DUs of all building blocks have been completed with Walling (using SIP Wall forms).
Shear Wall Work (Staircase & Lift well)	Completed in all building Blocks .
<b>Social Infrastructure</b>	Community Centre & Commercial blocks are completed.
<b>Infrastructure Work</b>	<ul style="list-style-type: none"> <li>• Boundary Wall, Main Gate, Exit Gate, Water Harvesting Pits, -all completed.</li> <li>• UG Water Tank &amp; STP- All equipment installed, Commissioning remains</li> <li>• Road Work, Electric Substation, Gardening, Fire Fighting &amp; Electrical Pole installation – Works are in advanced stages.</li> </ul>





## PROGRESS OF LIGHT HOUSE PROJECTS

### 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 10,784 numbers of Modules / different components has been completed meeting the total requirement of all building blocks.
<b>Foundation work</b>	The Raft & Grade slabs of all 7 building blocks have been completed.
<b>Superstructure</b>	All Seven Building Blocks (G+8) superstructure work has been completed. The finishing works are in advanced stages.
<b>Infrastructure work</b>	<ul style="list-style-type: none"> <li>• STP &amp; UG Water Tank – All civil works are completed and MEP work is in progress.</li> <li>• Road work and Sewer line work are near completion.</li> <li>• Electric Substation &amp; other external electrical works, Solar panel, Main gate work and Children park works are in progress.</li> <li>• Pre-cast boundary wall- About 56% of total length completed.</li> </ul>

### 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)**

Activities	Progress
<b>Raft Foundation</b>	Completed in all 6 Blocks & D block raft in progress.
<b>Superstructure</b>	A, C, E, F & G- Block is in Progress.
Shear walls (Lift, Staircase Shear walls)	A, E, F & G Block completed and C & B Block is in progress.
PEB Erection	A & F Block completed and E & G Block is in progress.
LGSF Fixing	A, E, F & G- Block is in progress.
Internal & External Cladding	A & F Block is in progress
Infill Concrete	A & F Block is in progress
Floor finishing	A & F Block is in progress
<b>Infrastructure Work</b>	Boundary wall and Social Infrastructure foundation work is in progress.



## Social Media



**Pradhan Mantri Awas Yojana (Urban), UP**  
@PMAYUP

सखनऊ में लाइट हाउस प्रोजेक्ट का काम लगभग पूरा हो चुका है और जल्द ही यह उद्घाटन के लिए तैयार है। इसमें कुल 1,040 आवास हैं। इनका निर्माण पीवीसी-स्टे-इन-प्लेस फॉर्मवर्क सिस्टम की सर्वोत्तम तकनीक से किया गया है।

#PMAYUrbanUP #UPSUDA #PMAYUrban #HousingForAll  
#LightHouseProjects  
Translate post



**Pradhan Mantri Awas Yojana - Urban, Government of India**  
5 February at 11:07

Here's a snapshot of progress made under @PMAYUrban. With around 80 Lakh completed houses, the mission has succeeded in providing a dignified living to around 3.5 Crore citizens across the country. Promotion of innovative construction technologies through Light House Projects and direct/indirect employability by virtue of investment in the scheme have been the other remarkable achievements.

#PMAYUrban #HousingForAll #TransformingUrbanLandscape #transforminglives  
#gharhuaeapn#purahuaeapna



## Infographics

