

E-Newsletter-Vol - XXXV

LIGHT HOUSE PROJECTS

December 31, 2023, New Delhi

Hon'ble Chief Minister of Madhya Pradesh hands over house key to Light House Project Indore beneficiary



On 25th December 2023 Hon'ble Chief Minister of Madhya Pradesh Shri Mohan Yadav handed over keys of flats to beneficiary of Light House Project (LHP) Indore. A camp on Pradhan Mantri Awas Yojana - Urban was also organised at the event location where officials shared information about the Scheme with the visitors.

LHP Indore was completed and inaugurated by Hon'ble Prime Minister Shri Narendra Modi in October 2023. 1,024 flats with modern infrastructure have been constructed here. These flats are spread across eight towers in S+8 configuration. LHP Indore is equipped with all modern and basic infrastructure facilities such as internal water supply, sewer lines, internal electrification, roads, lifts, solar street light system, sewerage treatment plant, rainwater harvesting, etc., among others. The project also has a community centre and other social infrastructure facilities for ease of living.

Six LHPs were identified across the country out of which LHPs at Chennai, Rajkot and Indore have been completed and inaugurated by Hon'ble Prime Minister. Lucknow, Ranchi and Agartala are the other three upcoming LHPs out of which LHP Lucknow is the next to be inaugurated. LHP Ranchi is in the final stage of completion while LHP Agartala is in finishing stage.

Light House Projects: Transforming Lives

In the realm of construction, LHPs stand out as beacon of innovation, embracing fast-paced technologies that have expedited the delivery of projects. Notably, LHPs in Chennai, Rajkot, and Indore have been swiftly completed, a testament to the efficiency of these cutting-edge approaches. The imminent inauguration of LHPs in Lucknow and Ranchi adds to the anticipation of beneficiaries eagerly awaiting their new homes.

The Climate Smart Buildings (CSB) Cell actively interacts with future residents at LHP sites and a tapestry of joy and pride unfolds. Homeowners express their delight about transitioning from cramped urban spaces to the serene, green environs of LHP. The prospect of residing in aesthetically pleasing structures, a marked departure from their current surroundings, fills them with pride and a sense of accomplishment. The innovative and proven construction technologies implemented in LHP adds an extra layer of distinction, positioning them as trailblazers in embracing a sustainable and forward-looking living experience.

Here, we unfold the narratives of these homeowners whose dreams of an upgraded life have turned into reality.

“With my kid, I am really enjoying the amenities provided inside this gated premises of LHP Chennai. I can drop my daughter to the anganwadi & I also don't have to walk much for a ration shop or a milk booth.”

- Smt Uthiriy Mary, LHP Chennai beneficiary



“Feeling so happy to be here. I hope PMAY-U continues so that more and more people are able to get a home like me.”

- Smt Jayaseeli, LHP Chennai beneficiary

“My name is Dharmesh and have received a unit in Tower 4 of the Light House Project. I feel proud because now I can tell everyone that I have my own house and that too in such a low price. I personally want to thank Modi Ji because it is very difficult to get a house in such a low price along with all the amenities like garden, lift, community center, commercial center, and anganwadi.”

- Shri Dharmesh, LHP Rajkot beneficiary



“I am Kapil Thakker and I have received a unit in the tower 3 of Light House Project. I feel really happy because since starting I have been living in a rented house in Rajkot and now, I have my own house. I would also like to thank PM for this opportunity.”

- Sri Kapil Thakker, LHP Rajkot beneficiary



Message from JS&MD (HFA) Shri Kuldip Narayan

I would like to begin by wishing everyone a very Happy New Year 2024! I'll take this opportunity to extend my gratitude to every person associated with Pradhan Mantri Awas Yojana - Urban for their support in taking the Mission to new heights. The highlight of the year 2023 was the inauguration of Light House Project Indore by Hon'ble Prime Minister. With the inauguration of the project, we dedicated three LHPs (Chennai, Rajkot & Indore) to the nation. Now, LHP Lucknow is prepping up for its inauguration. LHP Ranchi and LHP Agartala are also in their finishing stages.

Since the launch of LHPs, we are promoting these projects as live laboratories and I am elated to share that thousands and thousands of stakeholders, whom we have named as Technograhis, have been part of our different seminars and workshops, to learn about the use of LHP technologies for their further replication in Indian context. Learning the use of such technologies by Technograhis will boost the building construction sector in the years to come.

As a Mission, we always look forward to meeting our beneficiaries or connecting with them on several occasions. At the different LHP sites too, we have welcomed many of these families who have seen their dream homes being constructed in front of their themselves.

With LHPs reaching the completion stage, there is a wave of excitement among future homeowners. The innovative construction technologies used for construction of LHPs will give the families a sustainable and futuristic living experience.

I appreciate the efforts put in by each person associated with PMAY-U & let us keep working together to achieve more.

Technograhis dive into Advanced Building Techniques at LHP Agartala



Recently, a group of engineering students had an insightful visit to Light House Project Agartala. The objective was to comprehend Light Gauge Steel (LGS) framing and Pre-Engineered Building (PEB) structures, both recognised as rapid construction technologies and to explore their contributions to enhancing thermal comfort with in buildings.

Diving into the intricacies of Light Gauge Steel framing, the Technograhis explored a construction method lauded for its agility and adaptability. Light Gauge Steel structures, using thin steel sheets, offer a sturdy yet lightweight alternative. The tour illuminated assembly processes and sustainability potentials. The visit also delved into Pre-Engineered Building structures, showcasing off-site fabrication's precision and efficiency. Students witnessed streamlined timelines and cost-effective, versatile practices. So far about 40,000 Technograhis have visited the LHP sites for learning the use of innovative technologies on the ground.



The visit to LHP Agartala underscored the integration of these construction technologies with a particular focus on enhancing thermal comfort. They learned about the strategic use of materials and design elements to regulate temperature and reduce energy consumption. The Technograhis were provided detailed insights into technical and thermal comfort aspects of the technology and a comprehensive understanding of the innovative construction methods employed at the Light House Project in Agartala.

PRiTHVi: Paving the way for Thermal Comfort in Affordable Housing through living lab experiments at LHPs



In response to the rapid construction surge in affordable housing and need of thermal comfort, PMAY-U has ushered in a transformative wave by setting up living lab experiments at the six Light House Projects to assess the new age technologies and measures impacting thermal comfort in affordable housing. The Ministry of Housing and Urban Affairs (MoHUA) in collaboration with Building Materials and Technology Promotion Council (BMPTC) and GIZ prepared a draft guideline as "Passive-design Response in Increasing Thermal Comfort Using Viable Solutions (PRiTHVi)," a pioneering initiative born from the insightful Living Laboratory Experiments at the Light House Projects.

Empowering Affordable Housing: Building on the success of the Living Laboratory experiments at LHPs, PRiTHVi extends the thermal comfort narrative to multi-family affordable housing. Highlighting five key passive principles, this initiative offers actionable recommendations for architects, engineers, builders, developers, government officials, and students. The focus is on design measures that are relevant for each climate zone, ensuring 25-30% better thermal performance compared to typical design practices..

PRiTHVi's impact is far-reaching, promising not just thermal comfort but also improved indoor air quality and optimised indoor spaces. Acting as a guiding standard for constructing affordable housing with a focus on thermal comfort and affordability, PRiTHVi stands as a promise for a better housing future, where simplicity, affordability and sustainability coexist effortlessly.

The results of the living laboratory experiments have been taken up with series of impactful consultations held in Chandigarh, Bengaluru, Kolkata, and Bhubaneswar to take the feedback of stakeholders. The initiative witnessed active participation from over 150 stakeholders across 30 departments. These volumes stand poised to assist state governments, ensure comprehension among beneficiaries, and expedite the nationwide adoption of thermally comfortable, affordable housing



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
Superstructure work of Building Blocks	
Pre-Engineered Steel Building (PEB) Work	· Completed
SIP Wall Form work (No. of Dwelling Units)	· Completed
Shear Wall Work (Staircase & Lift well)	· Completed
Social Infrastructure	· Completed
Infrastructure Work	· Completed



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
Casting Yard (Production of Components)	In the casting yard all 10,784 numbers of modules/ different components have been completed out of total requirements.
Foundation work	The Raft & Grade slabs of all 7 building blocks have been completed.
Superstructure	All 7 building Blocks completed.
Infrastructure work	<ul style="list-style-type: none"> • Pre-cast boundary wall- About 56% of total length completed. • STP & UG Water Tank – All civil work is near completed and MEP work is in progress. • Road, Sewer line, Electrical & Main gate works are 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)**

Activities	Progress
Raft Foundation	Completed in all 6 Blocks & D block raft in progress.
Superstructure	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	F Block is in progress.
Floor finishing	F Block is in progress.
Infrastructure Work	Boundary wall and Social Infrastructure foundation work is in progress.



Social Media



Housing For All
@PMAYUrban

Hon'ble Chief Minister of Madhya Pradesh Shri Mohan Yadav handed over the key to her house to a beneficiary of [#LightHouseProject](#) Indore under [#PMAYUrban](#), during an event in Indore on 25th December 2023.

[#HousingForAll](#) [#PMAYUrban](#) [#LightHouseProjects](#) [#TransformingLives](#)



Housing For All
@PMAYUrban

A training-cum-consultation programme on Innovative Construction Technologies & Thermal Comfort for [#AffordableHousing](#) was held in Kolkata recently. Over 35 representatives from different Government departments, along with private builders & stakeholders attended the event.



Pradhan Mantri Awas Yojana(Urban) - Madhya Pradesh
@PMAY_MP

इंदौर में पूर्व प्रधानमंत्री मा. अटल बिहारी वाजपेई जी के जन्मदिवस के सुअवसर पर आयोजित कार्यक्रम में मा. मुख्यमंत्री [@DrMohanYadav51](#) जी द्वारा [#PMAYUrban](#) अंतर्गत नवनिर्मित लाइट हाउस प्रोजेक्ट (LHP) के हितग्राही को सांकेतिक चाबी प्रदान किया गया।

[#विकसित_भारत_संकल्प_यात्रा](#) [#HFA](#)

Translate post



Housing For All
@PMAYUrban

[#LightHouseProject](#) Lucknow is ready for Inauguration & the future residents are excited about moving to the elegant & green surroundings of the housing project. Here, a beneficiary shares her experience of having a [#puccahouse](#) in her name with pride and sense of accomplishment.



Pradhan Mantri Awas Yojana(Urban) - Madhya Pradesh
@PMAY_MP

Today, Mission Director, [#HFA](#), MP, Shri Kailash Wankhede, visited Indore, along with Superintendent Engineer, UAOD, MP, Shri GS Saluja and Egis-PC, Shri [@moonisansari](#). During the visit, they reviewed the progress of [#LHP](#) & [#AHP](#) Projects with the Officials of IMC & Contractor.



SUDA (UTTAR PRADESH)
@SUDA_UP

Exciting news: The [#LightHouseProject](#) in [#Lucknow](#) is on the brink of Inauguration, revealing 1,040 cutting-edge dwelling units. The use of advanced construction technology promises faster completion and lower maintenance, marking a significant leap towards a more efficient and sustainable future.

[#InnovationInConstruction](#) [#LucknowDevelopment](#) [#GHTCIndia](#)
[#LHPLucknow](#) [#TransformingLives](#) [#TransformingUrbanLandscape](#)

Housing For All @PMAYUrban · Dec 1, 2023

A glimpse of [#LightHouseProject](#) Lucknow which is closer to Inauguration. The project has 1,040 dwelling units constructed using a technology that offers several advantages over traditional methods, including faster construction & reduced maintenance.

Show more

