

E-Newsletter-Vol - XXVII

LIGHT HOUSE PROJECTS

April 30, 2023, New Delhi

Shri Kuldeep Narayan, JS&MD, Housing for All, reviews Light House Project-Indore, interacts with beneficiaries



Shri Kuldeep Narayan, Joint Secretary & Mission Director (JS&MD), Housing For All (HFA), Ministry of Housing and Urban Affairs (MoHUA) took a detailed review of Light House Project Indore, Madhya Pradesh by visiting the site. On 28th April 2023. He was accompanied by Shri RK Gautam, Director, HFA and other senior officials from Central and State Governments.

A detailed report of the work done at site was presented before Shri Narayan. He assessed the detailed progress, took tour of the whole site and directed the officials to fast-track the completion work. LHP Indore is currently in the final stage and in a few months from now, the project will be home to over 1,000 families.

Upon his arrival at the site, JS&MD was welcomed by senior officials of the State and a few would-be beneficiaries of LHP Indore. JS&MD also interacted with these families, who told him how fortunate they feel to have got a home under the project which is affordable and at the same time, equipped with all modern facilities.

A 5-day Awas Mela was also organised at LHP Indore, wherein allotment of houses was done. The Awas Mela saw enthusiastic footfall of families who came in large numbers to fulfil their housing dreams. Most of the flats at LHP Indore has have been booked, considering the low cost of the housing unit and prime location of the site. The allotment process is ongoing for the 1,024 housing units of LHP Indore.





Message from JS&MD (HFA) Shri Kuldip Narayan

In the year 2022, we completed two of our Light House Projects – Chennai & Rajkot – for the beneficiaries and in 2023, we are targeting to complete the remaining four in Lucknow, Indore, Agartala & Ranchi. The LHPs in Lucknow & Indore are currently in the finishing stage while Ranchi & Agartala are in advanced stages of construction. There is much of an excitement amongst the beneficiaries about moving into their new homes.

It is often said that every effort counts & I totally believe in it. The Ministry is taking efforts to promote these LHP technologies through several mediums by engaging various stakeholders, including construction workers, for their use in Indian context. It is a step to ensure that awareness is created about these technologies, which in turn will encourage innovation.

I visited the LHP sites in Lucknow & Indore on different occasions in April. I must acknowledge the fact that encouraging progress has been made at the projects & in a few months from now, they will be handed over to the beneficiaries. The buildings, with affordable housing units, stand tall & are equipped with all modern facilities.

We lay special emphasis on connecting with our beneficiaries and support them in their life transformation. Recently, LHP Lucknow opened its gates for soon-to-be beneficiaries who visited the site to witness the progress & shared their valuable feedback.

It indeed is a dream come true for LHP families – the affordable rates of flats, the prime location of the projects & facilities that have been provided are a class apart.

Here's to bringing a change in the lives of people!

JS&MD, HFA visits Light House Project Lucknow



On 7th April 2023, Shri Kuldip Narayan, JS&MD, HFA, took a detailed review of Light House Project Lucknow, along with other Ministry officials. LHP Lucknow comprises of 1,040 residential housing units. During his visit, JS&MD, HFA shared his insights on the project and gave directions to the concerned officials to complete the work at the earliest.

LHPs reviewed during 13th Project Monitoring Committee Meeting



Shri Kuldip Narayan, JS&MD, HFA chaired the 13th meeting of Project Monitoring Committee (PMC) on 13th April 2023, wherein he reviewed the progress of Light House Projects (LHPs) at Indore, Lucknow, Ranchi and Agartala. Shri RK Gautam, Director, HFA, representatives of four LHPs construction agencies, respective State Government officials, officials of BMTPC and HFA division were also present during the meeting.

The progress made at each LHP site was reviewed in detail with pictures and progress graphs put in the form of a presentation. Issues flagged by the agency officials were also viewed by JS&MD. He also emphasised that all the agencies must take necessary measures in seamless supply of materials and deployment of required manpower to complete all the projects in time and in all respect.

Round-up of trainings, exposure visits of Technograhis to LHP sites

The six LHPs were started for familiarisation, learning and adaptation of innovative construction technologies, materials and processes suitable to Indian geo-climatic conditions. The project was envisaged to have a demonstrative effect wherein people from all related sectors can be able to see, get exposed, and learn the use of innovative technologies on ground for further replication and mainstreaming in the local context. These LHPs are serving as Live Laboratories for mass awareness, research, testing and technology transfer/adoption. Various onsite and online activities were started for mass education and information dissemination on technical know-how for the related stakeholders.

Here's a summary of related training/learning activities for promoting the use of innovative construction technologies:

a) Technograhis: On the lines of Satyagrahis and Swachhagrahis, a drive for free online enrolment of Technograhis was started for exposing the interested stakeholders to the innovative construction technologies through onsite activities to learn different phases of use of innovative technologies in LHPs and offsite workshops/webinars, webcasting, mentoring on technical know-how/module etc. About 40,000 Technograhis have enrolled themselves online so far.



b) e-Learning Module: An e-Learning Module has been developed on 6 LHP technologies as live laboratories are uploaded on GHTC-India website (<https://ghtc-india.gov.in>). Herein, stakeholders/ Technograhis may register themselves to visit six LHPs, learn the use of latest innovative technologies, innovate and adapt as per their local needs and contexts.

c) NAVARITIH: New, Affordable, Validated, Research Innovation Technologies for Indian Housing

The e-Course on Innovative Construction Technologies was launched by Hon'ble Prime Minister on 1st January 2021 which aims to familiarise the professionals with the latest materials and technologies being used worldwide for housing. The objectives of this course are to:

- Familiarise the professionals with the latest materials and technologies being used worldwide for housing.
- Provide an awareness of the state of art of materials and technologies in terms of properties, specifications, performance, design and construction methodologies so that professionals can successfully employ these in their day to day practice.
- Provide exposure to executed projects where such materials and technologies have been implemented.

So far, over 1,000 professionals have completed the course in 14 batches. Registrations are open for 15th batch starting July 7, 2023

Climate Smart Buildings Programme activities for April 2023

a) Awareness on Innovative Construction Technologies

Recently, CSB Cell Lucknow team delivered a session at the Centre for Excellence and Training, Lucknow to the newly appointed assistant engineers of the various departments of the Uttar Pradesh Housing and Development Board. The session was aimed at creating buzz about the innovative technologies being used at the Light House Projects (LHPs) and the importance of thermal comfort in affordable housing. Subject expert, Mr Amrish Chaturvedi, shared his extensive knowledge and experience with the participants and emphasized the need for adopting new technologies to ensure faster and efficient construction of affordable housing projects. He also discussed the importance of thermal comfort in affordable housing and highlighted the various measures that can be taken to improve it.

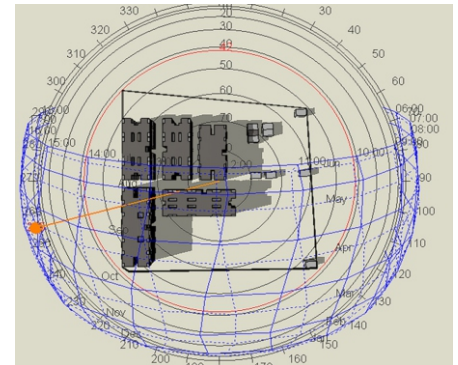


b) Thermal Performance analysis of Light House Projects

The CSB Cells are supporting upcoming PMAY-U projects in their cluster states with technical assistance to analyse the thermal performance of these projects and check for Eco Niwas Samhita (ENS) code compliance with recommendations to improve. This will help showcase these as demonstration housing projects for thermally comfortable affordable housing.

CSB Cell Indore has conducted an analysis for the identified Demo Project- Lotus Park in Akola. This analysis includes Thermal Comfort (RET_V, W/m²), Day Light Analysis & Mutual Shading Analysis.

Thermal comfort analysis of the project shows the ENS Parameters Window to Floor area Ratio (14%, Hot & Dry Climate), Window to Wall area Ratio (18%) & RET_V (9.29, W/m²), are well within the prescribed limit of ENS guidelines, while U-Roof (2.034 W/m².K) is higher than the prescribed limits.



The study also analyses and gives recommendations for the influence of mutual shading on the incidence of daylight on the lower floors.



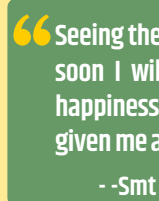
LHP Lucknow welcomed its soon-to-be beneficiaries, who visited the site to see the progress work. The officials present at the site received the valuable feedback from the future homeowners who were thrilled with the progress of the project using innovative SIP formwork technology. This advanced technique has expedited the construction process, while ensuring that all basic amenities are included, and the homes remain affordable. The use of such technology has brought people closer to their dream homes at a much faster pace.

Beneficiaries visit LHP Lucknow



“The fact that I can finally afford to have a home with basic amenities like water and electricity is a dream come true. I cannot express how happy I am to be a part of this project.”

- Shri Rahul Rai, A-103, LHP Lucknow Beneficiary



“Seeing the progress of the construction and knowing that soon I will have a place to call my own fills me with happiness and pride. Having a house in this project has given me a sense of belonging and security.”

- Smt Raj Dulari Mishra, A-102, LHP Lucknow Beneficiary



“As someone who has dreamed of owning a home for a long time, being an owner of a house in the Light House Project has been nothing short of a miracle. I feel blessed and grateful to the state and central governments for making this possible.”

- Shri Raj Kumar, A-232, LHP Lucknow Beneficiary



PROGRESS OF LIGHT HOUSE PROJECTS AS ON APRIL 30, 2023

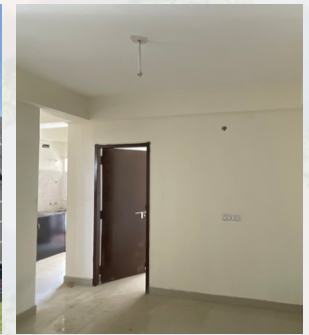
INDORE, Madhya Pradesh

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
Superstructure	
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	60 out of 64 Floors completed in 8 blocks
Sample Unit	Completed
Infrastructure Work	Community Centre, Road work, underground tank, STP & Sewer line works completed and boundary wall work is in progress.



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	• Block A1 (Part of Block A), Block C & D - Completed Remaining Blocks (A2 & B) - In progress up to 10 th floor level
SIP Wall Form work	• Block A1, Block C & D - Completed (total 624 DUs) • Remaining Blocks (A2 & B) - Completed upto 9 th Floor (A-2) & in Progress at 10 th floor level (B) along with Electrical & Plumbing work
Shear Wall Work (Staircase & Lift well)	• Block A1, Block C & D - Completed • Remaining Blocks (A2 & B) - In progress up to 12 th floor level
Social Infrastructure	Community Centre & Commercial Block completed
Infrastructure Work	Underground Water Tank- completed. Boundary wall- About 98% completed STP-RCG work completed. Rain water harvesting Pits: Completed (5 Nos.) Internal Road Work - in progress



PROGRESS OF LIGHT HOUSE PROJECTS AS ON APRIL 30, 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
Casting Yard (Production of Components)	In the casting yard 9,150 numbers of Modules/ different components have been produced out of total requirement of 10,784 number of components
Foundation work	The Raft & Grade slabs of all 7 building blocks have been completed.
Superstructure	Block wise status of erection of Modules/building components ; Blocks 1,2,6 & 7- All 8 Floors completed Block 3 - 6 th floor in progress Block 4 - 3 rd floor in progress Block 5 - 5 th floor in progress
Infrastructure work	Pre-cast boundary wall- About 56% of total length completed. STP - Foundation work completed & wall shuttering work is in progress. U&WT - Foundation work completed & wall shuttering work is 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
Foundation (Dwelling Units)	
Pile Work and Pile head breaking	Completed in All Blocks (A, B, C, D, E, F & G)
PCC for foundation	A, B, C, E, F & G Block Completed & D-block in Progress.
Raft Foundation	A, C, E, F & G Block completed and B - Block is in progress.
Plinth Beam & Pedestal Column Casting	A, E, F & G Block completed and B & C Block is in progress.
Superstructure	A, E, F & G- Block is in progress.



Social Media Corner



Housing For All @PMAYUrban · Apr 28

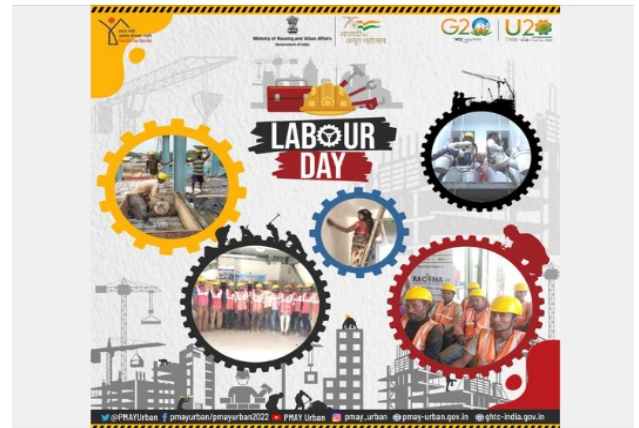
Shri @KuldipNarayan, JS&MD, Housing for All, @MoHUA_India reviews progress of #LightHouseProject Indore. He is accompanied by Shri RK Gautam, Director, HFA & other senior officials from Centre & State. A report of work done at site was presented before Shri Narayan.



प्रधानमंत्री आवास योजना शहरी
4h · 6

प्रधानमंत्री आवास योजना - शहरी श्रमिक दिवस पर आत्मनिर्भर भारत के निर्माण में महत्वपूर्ण योगदान देने वाले श्रम बल के प्रयासों, कड़ी मेहनत और समर्पण को नमन करती है। ये योग्यताएँ-यू के अभिन्न अंग हैं जो सबके लिए आवास के लक्ष्य को साकार करने की दिशा में बहुत बड़ा योगदान दे रहे हैं।

#InternationalLabourDay2023 #LabourDay #LabourDay2023 #MayDay #TransformingLives
#TransformingUrbanLandscape #DeliveringHomes #G20India



Housing For All @PMAYUrban · Apr 24

#लाइटहाउसप्रोजेक्ट इंदौर पर 5 दिवसीय आवास मेले का आयोजन किया जा रहा है, जहाँ बड़ी संख्या में लोग अपने घर के सपने को पूरा करने आ रहे हैं। रविवार तक लगभग 60 परिवारों ने यहाँ फ्लैट बुक किया। यह मेला 25 अप्रैल तक जारी रहेगा। एलएचपी इंदौर में अधिकांश फ्लैट्स की बुकिंग हो चुकी है।



Housing For All
@PMAYUrban

प्रधानमंत्री आवास योजना-शहरी के तहत लाइट हाउस प्रोजेक्ट के यह फ्लैट्स किफायती और नवीनतम तकनीक से निर्मित हैं। यहाँ लिफ्ट, गार्डन, पानी एवं सीवरेज, सिटी बस जैसी समस्त सुविधाएँ उपलब्ध हैं।

#HousingForAll #PMAYUrban #LightHouseProject #LHPIndore
#Awamela #AffordableHousing

Translate Tweet



Housing For All @PMAYUrban · Apr 16

Flip through the recent edition of our #LightHouseProject newsletter, which include details about different meetings held, site visits that happened, brief about #RACHNA 2.0 initiative & how #LHPs are transforming the urban landscape of India.



Pradhan Mantri Awas Yojana - Urban, Government of India
11 April at 17:19 · 6

#LightHouseProjects under #PMAYUrban have laid strong foundation for empowerment of families by providing them with affordable & well-equipped houses inside gated premises. Recently, #LHPLucknow welcomed its soon-to-be beneficiaries, who visited the site to see the progress work.

LHP Lucknow is in the finishing stage & use of the innovative PVC Stay-in-Place Formwork System technology has brought people closer to their dream homes. The technology is cost-effective & speeds up construction process & has environmental benefits.

#GHTCIndia #LHPs #TransformingUrbanLandscape #TransformingLives #DeliveringHomes #DeliveringSmiles #G20India



Pradhan Mantri Awas Yojana - Urban, Government of India
7 April at 19:41 · 6

Shri Kuldip Narayan, JS&MD, HFA, MoHUA took a detailed review of #LightHouseProject Lucknow by visiting the site on 7th April 2023. The project, currently in the final stages of completion, comprises of 1,040 affordable residential housing units.

JS&MD shared his insights on the project & gave directions to concerned officials to complete the work at the earliest.

#HousingForAll #PMAYUrban #GHTCIndia #TransformingUrbanLandscape #LHPLucknow #LHPs #TransformingLives #LightHouseProjects #G20India

