

E-Newsletter-Vol - XX

LIGHT HOUSE PROJECTS

September 25, 2022, New Delhi



Ministry of Housing and Urban Affairs (MoHUA) has planned to organize three-days **Indian Urban Housing Conclave (IUHC)** as a part of **Azadi Ka Amrit Mahotsav (AKAM)** to commemorate 75 Year of India's Independence scheduled to be held in the month of October 2022. The proposed Conclave will have following components:

i. Inauguration of Light House Project, Rajkot: The LHP of Rajkot, Gujarat has been completed in all respect. The beneficiaries for all 1,144 houses of LHP Rajkot has already been identified. The LHP Rajkot is ready for inauguration by the Hon'ble Prime Minister followed by handing over the keys to few selected beneficiaries.

ii. National Exhibition on Innovative Construction Practices: for demonstration of innovative construction technologies/materials /components providers from across the globe, domestic indigenous technologies, potential future technologies (start-ups) from the country.

iii. Exhibition on transformative Urban Missions of MoHUA including Housing for All-PMAY (U), Smart City Mission (SCM), Atal Mission for Rejuvenation and Urban Transformation (AMRUT-2.0), Swachh Bharat Mission-Urban (SBM-U 2.0), DAY-NULM/ PM SVANidhi and Urban Transport showcasing the achievements across the country and projections for the future.

iv. Exhibition on best practices by States/UTs under PMAY-U: The States/UTs have innovated their implementation structure as per the local context such as adopting innovative construction practices, convergence of PMAY(U) with other housing, livelihood programs, providing housing to special groups, etc.

v. Felicitation of PMAY(U) Awards 2021 Winners: The winners for

PMAY(U) Awards 2021 have been identified and it is proposed that 5 awards to the best performing States/UTs will be felicitated by the Hon'ble Prime Minister.

vi. Three days deliberations on Affordable Housing Discourses:

During three days, various dialogues, thematic sessions, roundtable discussions will be conducted with stakeholders from across the country to discuss, share and learn the progress in transforming



urban landscape to take resolve for future urban development in improving 'Ease of Living' which will be participated by State/UT officials, academia, civil society organisations and other stakeholders.

Besides the above, various publications have been prepared for release by the Hon'ble Prime Minister during the inaugural session of IUHC.



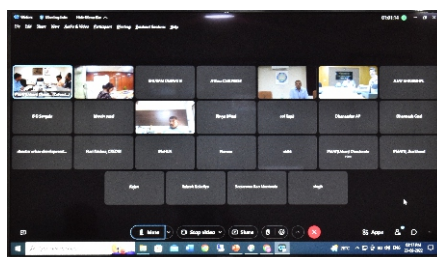


Message from JS&MD (HFA) Shri Kuldip Narayan

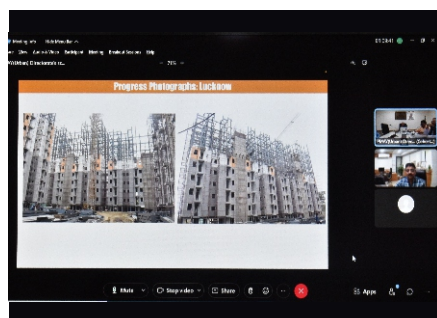
The PMAY-U Mission is steadily moving towards the goal of Housing for All. With 123 Lakh sanctions and completion of nearly 64 Lakh houses, the scheme has emerged as one of the largest Affordable Housing schemes of the world. The promotion of innovative construction technology has been a constant endeavour of the scheme. Under the ambit of GHTC-India, the Light House Projects are getting readied at a fast pace. LHP Chennai has already been inaugurated by Hon'ble Prime Minister and is home to 1,152 happy families now. Next in the line-up of inauguration is LHP Rajkot which comprises of 1,144 houses and has been constructed using 'Monolithic Concrete Construction using Tunnel Formwork'. The LHP Rajkot, once occupied, will be an iconic manifestation of innovative construction technology and a dignified living.

In order to widen the horizon and to bring technology transition in the construction sector for sustainable development, it is imperative to bring together all global and indigenous innovative technologies, materials and process shortlisted under GHTC-India as well as under IHTM and showcase them to the relevant stakeholders on a common platform. In view of the same, the **'Indian Urban Housing Conclave - 2022'** is proposed to be held in Rajkot, Gujarat from 17-19 October 2022. The expo-cum-conference will provide stakeholders a venue to demonstrate their technologies as well as deliberate upon various options of technologies, materials and processes for large scale adoption and mainstreaming in different type of housing construction suited to different Geo-climatic regions of the country. The inauguration of LHP Rajkot, an exhibition on Innovative Construction practices, Symposium on Affordable Housing and PMAY-U Awards 2021, all will be a part of the three-day extravaganza. I look forward to an active participation by all stakeholders in the event.

JS&MD, HFA, MoHUA reviews the progress of Light House Projects



A meeting to review progress of Light House Projects (LHPs) was held on 23rd September under the chairmanship of Shri Kuldip Narayan, JS&MD, HFA. Representatives of six construction agencies of LHPs, officials of BMTPC, and Ministry officials attended the meeting. A presentation on the ongoing construction activities at the LHP sites was made by Shri RK Guatam, Director, HFA, MoHUA. Subsequently, state wise presentations, progress of LHPs were also reviewed in detail.



JS&MD, HFA, directed the respective LHP construction agencies to expedite the construction activities. Discussions were held on handing over the homes to beneficiaries at Rajkot site since the work is almost complete there. Deliberations were made on allotment process at other LHP sites too. Issues related to the ongoing construction activities were discussed in detail during the meeting.



While LHPs Chennai has already been inaugurated and occupied by beneficiaries, LHP Rajkot is also complete in all respects and will soon be inaugurated. Other LHPs at Indore, Lucknow, Ranchi and Agartala are getting readied at fast pace.

Shri Amrit Abhijat, Principal Secretary, Government of Uttar Pradesh visits Light House Project, Lucknow



On 1st September 2022, Shri Amrit Abhijat, Principal Secretary, Urban Development Department, Government of Uttar Pradesh, visited Light House Project (LHP) in Lucknow to review the progress on site. He was briefed about the progress by construction agency officials and other State Government officers.

In Lucknow, 1,040 affordable houses are under construction. Already in use in Canada and Australia - 'Stay-in-Place PVC Formwork with Pre-Engineered Steel Structural System' technology - has been adopted here for construction purposes. The plant manufactured rigid poly-vinyl chloride (PVC) based polymer components serve as a permanent stay-in-place furnished formwork for concrete walls. The formwork system acts as pre-furnished walls requiring no plaster and can be constructed instantly. This System is suitable for residential and commercial buildings of any height from low to high rise. The advantage of this technology is many as having formwork already as part of system, the construction of building is faster as compared to conventional buildings. It also saves water and formwork system does not have plastering requirement and gives a very aesthetic look. The progress of LHP Lucknow is in advance stage of construction and will be completed in stipulated time period.

Shri Abhijat directed the construction agency to complete the project in all respect within the timeline.

Shri RK Gautam, Director, HFA reviews progress of Light House Project Ranchi



Shri RK Gautam, Director, Housing for All, MoHUA, visited Light House Project, Ranchi on 2nd September 2022 and reviewed progress of construction work with the officers of Ranchi Municipal Corporation and Construction Agency.

At Ranchi, 1,008 houses are being constructed in full suwing using 'Precast Concrete Construction System - 3D Volumetric' technology. It is the modern method of building by which solid precast concrete structural modules like room, toilet, kitchen, bathroom, stairs are cast monolithically in plant or casting yard in a controlled condition. These modules are then transported, erected, installed and integrated together in the form of complete building unit. About 90% of the building work including finishing is complete in plant/casting yard leading to significant reduction in construction & occupancy time. Monitoring of LHPs is being done constantly & periodic visits to sites help in expediting work.

LIGHT HOUSE PROJECTS



“ These Light House Projects are now a perfect example of the country's working practices. We also have to understand the big vision behind it. Under the Pradhan Mantri Awas Yojana, lakhs of houses have been made in the cities in a very short time. The construction work of lakhs of houses is also continuing. If we look at the houses built under PMAY-U, focus has been given on both innovation and implementation. ”

- Hon'ble Prime Minister during foundation laying ceremony of LHPs on 1st January 2021



PROGRESS OF LIGHT HOUSE PROJECTS AS ON SEPTEMBER 25, 2022

RAJKOT, Gujarat

Technology Name: **Monolithic Concrete Construction using Tunnel Formwork**



No. of Dwelling Units	: 1144 Nos. (S+13)
No. of Block / Tower	: 11 Blocks
Units in each Block / Tower	: 104 Nos.
Status	: Completed
Activities	Progress
Foundation & Superstructure work including Masonry work	Completed in all 11 blocks
Sample Unit	Completed
Internal Building work	Internal Building works are in final stage in all 11 Building blocks. Completed
Social Infrastructure	The finishing work is nearly complete in Anganwadi cum Shopping Complex and Community Centre. Completed
External Physical Infrastructure	Infrastructure works including sewer line, storm water drains, water supply works, boundary wall etc. are near completion. Completed

PROGRESS OF LIGHT HOUSE PROJECTS AS ON SEPTEMBER 25, 2022

INDORE, Madhya Pradesh

Technology Name: **Prefabricated Sandwich Panel System with Pre-engineered Steel Structural 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	69 out of 72 Floors completed in 8 blocks
Slab Work	61 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	Boundary wall, Community Centre, Road work, underground tank, STP & Sewer line works are in progress.



LUCKNOW, Uttar Pradesh

Technology Name: **Stay In Place PVC Formwork with Pre-Engineered Steel Structural 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	<ul style="list-style-type: none"> • PEB erection work is in progress upto 13th Floor in Block A1 (Part of Block A) • PEB erection work is in progress upto 9th Floor in other 2 Building Blocks (Block C & D).
Shear Wall Work (Staircase & Lift well)	Stilt to 9 th Floor shear wall work is in progress in all 4 Blocks
Slab Work & SIP Wall Form work	<ul style="list-style-type: none"> • Casting of Slab is in progress upto 9th floor in Block A1, and upto 5th and 6th floor in Block C & D respectively. • SIP Wall form installation & casting is in progress upto 10th Floor level in Block A1, and at 5th Floor & 6th floor level in Block C & Block D respectively along with Electrical & Plumbing work.
Sample Unit	Completed
Social Infrastructure	Community Centre & Commercial Block work completed upto Plinth level.
Infrastructure Work	<ul style="list-style-type: none"> • Underground Water Tank civil work is completed. • About 85% of the Boundary wall work is complete. • Wall casting work is in progress for STP.



PROGRESS OF LIGHT HOUSE PROJECTS AS ON SEPTEMBER 25, 2022

RANCHI, Jharkhand

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



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 about 2,200 numbers of different components have been produced out of total requirement of 11,151 number of components
Foundation work	<ul style="list-style-type: none"> The Raft slab of all 7 building blocks has been completed. The shear wall concrete casting has been completed in all 7 Blocks and back filling is in progress in one remaining Block (No.7).
Superstructure	The erection of building modules & components are in progress at 4 th Floor & 5 th Floor levels in two Building Blocks (Block No.1 & 2).
Infrastructure work	More than 50% Pre-cast boundary wall has been completed. The balance could not be taken up due to some site constraints.

AGARTALA, Tripura

Technology Name: **Light Gauge Steel Framed (LGSF) System with 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	Completed in 6 Blocks (A,B, C,E,F & G) & D-Block is in Progress.
Pile head breaking	A, C, E, F & G Block completed & B-Block is in Progress.
PCC for foundation	A, E, F & G Block completed.
Raft Foundation	A, E, F & G Block completed
Plinth Beam & Pedestal Column Casting	A, E, F & G Block is in Progress.
Superstructure	A & F Block is in progress
Sample Unit	In progress

Social Media Corner



Shri RK Gautam, Director, Housing For All, @MoHUA_India visited #LightHouseProject Ranchi today & reviewed progress of construction work with construction agency officials & Ranchi Municipal Corporation team.



नगरीय प्रशासन निदेशालय, झारखंड



At #LHPRanchi, 1,008 houses are being constructed using 'Precast Concrete Construction System - 3D Volumetric' technology. Monitoring of #LHPs is being done constantly & periodic visits to sites help in expediting work.

#HousingForAll #PMAYUrban #GHCIIndia #AffordableHousing



7:27 PM - Sep 2, 2022 - Twitter Web App



On 1st Sept, Shri @amritabhijat, Principal Secretary, Urban Development Department, Govt of Uttar Pradesh visited #LightHouseProject Lucknow to appraise work progress on site. Shri Abhijat directed construction agency to take steps to speedily complete work within given timeline



7:17 PM - Sep 2, 2022 - Twitter Web App

4 Retweets 1 Quote Tweet 28 Likes



Lucknow is one among the 6 cities hosting the #LightHouseProjects. Canada's 'Stay In Place PVC Formwork with Pre-Engineered Steel Structural System' technology has been adopted to construct 1,040 modern, well-equipped & affordable houses.



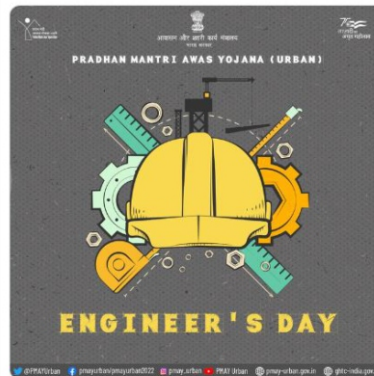
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5 Retweets 24 Likes



On #EngineersDay, we salute & celebrate the achievements of our #Engineers who are contributing immensely towards building a #NewIndia.

#HappyEngineersDay #EngineersDay2022 #TransformingLives #TransformingUrbanLandscape #AffordableHousing #ConstructionTechnology



11:49 AM - Sep 15, 2022 - Twitter Web App

2 Likes



Welcome to #LightHouseProject Rajkot, soon-to-be home of 1,144 families!

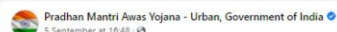
#LHPRajkot is almost complete with all basic & social infrastructure in place. It comprises of S+13 floors, accommodating 1,144 affordable flats. Have a look at how the project has shaped.

#HousingForAll



5:21 PM - Sep 8, 2022 - Twitter Web App

4 Likes



Registrations for 12th batch of #NAVARITI are now open. Enroll now! It's an online certificate course on Innovative Construction Technologies to familiarise professionals with latest materials & technologies being used worldwide for #housing. For registrations & more details, visit: <https://ict.bmtpc.org>

#HousingForAll #PMAYUrban #TransformingUrbanLandscape #GHCIIndia #ConstructionTechnologies #TransformingLives



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1 Retweet 5 Likes



#IndianUrbanHousingConclave will provide a common platform to bring together all global & indigenous innovative technologies, materials & process shortlisted under #GHCIIndia as well as #IHTM & showcase them to relevant stakeholders. #HousingConclave #UrbanHousingConclave #IUHC



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A unique opportunity awaits at #IndianUrbanHousingConclave!

Wondering who can participate? here's your answer. Register at ghci-india.gov.in/IUHC/User/Login & be part of #IUHC. All interested stakeholders, make #IUHC your first stop.



10:26 AM - Sep 16, 2022 - Twitter Web App