







Ministry of Housing & Urban Affairs Government of India

# E-Newsletter-Vol-IV LIGHT HOUSE PROJECTS

New Delhi

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

#### LIGHT HOUSE PROJECTS: REVOLUTIONISING BUILDING CONSTRUCTION TECHNOLOGY IN INDIA

The Ministry of Housing and Urban Affairs (MoHUA) initiated Global Housing Technology-India (GHTC-India) in 2019 to get the best globally available innovative construction technologies through a challenge process. Under GHTC-India, the concept of Light House Projects (LHPs) were introduced. Six cities across India are hosting LHPs, which are model housing projects being constructed in Chennai (Tamil Nadu), Lucknow (Uttar Pradesh), Indore (Madhya Pradesh), Rajkot (Gujarat), Agartala (Tripura) and Ranchi (Jharkhand).

At these sites, six globally renowned and distinct technologies, shortlisted under GHTC-India, have been selected for construction of a minimum of 1,000 houses each with allied infrastructure. The LHPs shall also serve as Live Laboratories for on-site and off-site learning, facilitating transfer of technologies to the field and its further replication on ground.

Construction of LHPs, along with all necessary infrastructure, are expected to be completed within 12 months from the date of getting all statutory approvals. The project will pave the way for a new eco-system in the building construction technology landscape, where globally proven technologies will be adopted for cost-effective, environment-friendly and speedier construction.

An arrangement for site visits has also been planned by the Ministry to help Technograhis (the interested stakeholders) learn about the use of innovative technologies. Technograhis can visit the LHP sites or be part of off-site workshops/webinars, webcasting for technical know-how.

Owing to the COVID-19 pandemic, at every site location, we have ensured that the labourers, officials of construction agencies follow all mandatory protocols. Also, process is on to get the labourers vaccinated.



## **PROGRESS OF LIGHT HOUSE PROJECTS AS ON APRIL 30, 2021**

## **CHENNAI, Tamil Nadu**

Technology Name: Precast Concrete Construction System-Precast Components



## **INDORE, Madhya Pradesh**

Technology Name: Prefabricated Sandwich Panel System



No. of Dwelling Units	4	1024 Nos. (S+8)	
No. of Block / Tower	:	8 Blocks	
Units in each Block / Tower	4	128 Nos.	

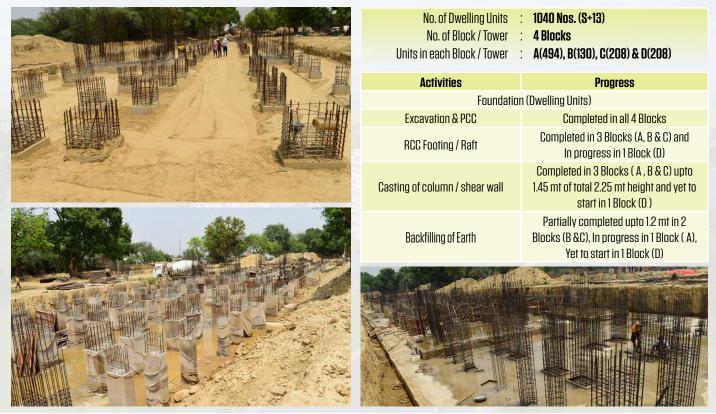
Activities	Progress					
Foundation (Dwelling Units)						
Excavation & PCC	Completed in all 8 blocks					
RCC Footing / Raft	Completed in 8 blocks					
RCC Column upto plinth level	Completed in 8 blocks					
Plinth beam	Completed in 6 blocks and					
	in progress in 2 blocks					
Infrastructure Work						
Boundary Wall	Foundation work in progress					
Community Centre	Foundation work in progress					
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### **PROGRESS OF LIGHT HOUSE PROJECTS AS ON APRIL 30, 2021**

## LUCKNOW, Uttar Pradesh

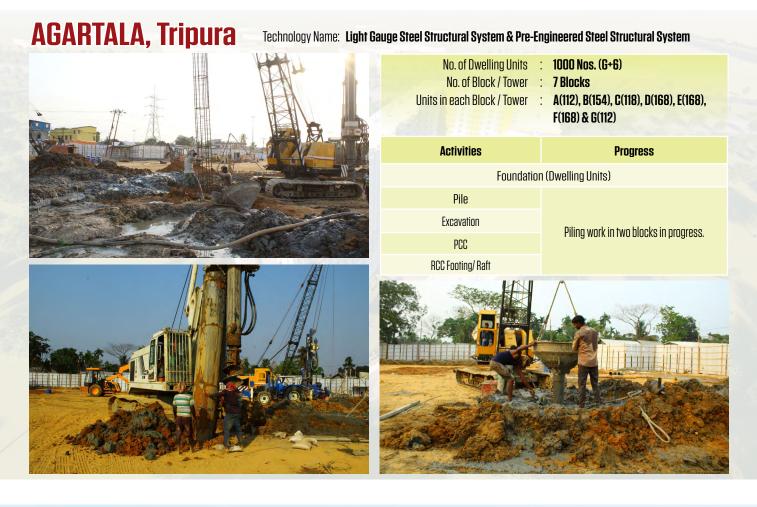
Technology Name: PVC Stay in Place Formwork System



Technology Name: Monolithic Concrete Construction using Tunnel Formwork



## **PROGRESS OF LIGHT HOUSE PROJECTS AS ON APRIL 30, 2021**



### 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. 🛛 🔪

Statutory Approvals & Site Mobilization

Status of statutory approvals & Site mobilization

Activities

Architectural drawings & other statutory approvals are in various stages. Site mobilization is in progress & the soil investigation work was stopped due to local protest.

**Progress** 



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#### **SOCIAL MEDIA CORNER**

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Housing For All 🔮 @PMAYUrban - May 11 64.6 Rajkot witnessed a massive change in the building construction front with the launch of #LightHouseProjects in January 2021.

Under LHPs, construction of 1,144 houses, using technology named 'Monolithic Concrete Construction using Tunnel Formwork', is being done.



Housing For All 😌 @PMAYUrban - May 11 This technology ensures faster construction, durability of structure, precise finishing and is disaster resilient, cost-effective, #LHPs are model housing projects. Apart from Rajkot, LHPs are being built in Chennal, Lucknow, Indore, Ranchi and Agartala.

#HousingForAll

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#### Housing For All @ @PMAYUrban - May 6

#LightHouseProjects are being implemented as part of #GHTCIndia which reflects India's commitment towards affordable housing. Houses under #LHPs are being constructed using globally-proven, modern & innovative technologies to make disaster-resilient, affordable homes for people.



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Housing For All O OPMAYUrban - May 11 On #NationalTechnologyDay, we celebrate the achievements of our technology experts, innovators, other stakeholders who have contrib immensely towards building a new india. On #1

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Their innovative ideas, knowledge has helped PMAY-U undertake initiatives such as #GHTCIndia, #LightHouseProjects, #NAVARITIH, #ASHAINDIA. that have brought major technical transformation. 0 9 11 2 A.

Housing For All

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For #LHPs, we have selected 6 globally renowned technologies to build affordable homes for people with allied infrastructure



Housing For All 🤣 @PMAYUrban · May 6

LHPs are located in Lucknow, Rajkot, Chennai, Indore, Agartala and Ranchi. The initiative will lead to a new era in the construction sector. To know more about these technologies, you can also visit the 6 LHP sites as #Technograhis soon.



#### Housing For All YA\_ @PMAYUrba

MoHUA initiated GHTC-India to identify & mainstream proven innovative construction technologies from across the globe. Under the initiative, six innovative technologies were chosen for construction of six #LightHouseProjects at six places across India.

#### #HousingForAll



@PMAYUrban

On the occasion of #InternationalLaborDay, let's salute the efforts of those who are working day and night to provide #HousingForAll.

#### #InternationalLabourDay2021



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