

E-Newsletter-Vol - VIII

# LIGHT HOUSE PROJECTS

September 10, 2021, New Delhi

## Secretary, MoHUA, reviews progress of Light House Projects at Project Monitoring Committee meeting



The 6<sup>th</sup> meeting of the Project Monitoring Committee (PMC) was held on 17<sup>th</sup> August 2021 under the chairmanship of Shri Durga Shanker Mishra, Secretary, Ministry of Housing and Urban Affairs (MoHUA) to review the progress of construction of Light House Projects (LHPs) at six locations across the country. LHPs are model housing projects being constructed with allied infrastructure at Chennai (Tamil Nadu), Lucknow (Uttar Pradesh), Rajkot (Gujarat), Indore (Madhya Pradesh), Agartala (Tripura) and Ranchi (Jharkhand).

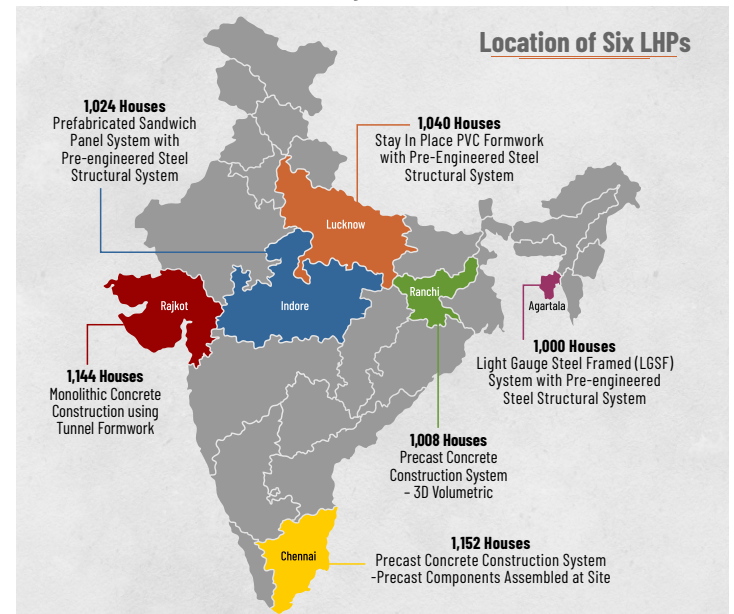
Representatives of six State Governments, concerned Urban Local Bodies (ULBs), LHP construction agencies, officials of Building Materials and Technology Promotion Council (BMTPC), NAREDCO, IITs and CSIR-NEIST, Jorhat, attended the meeting.

The PMC meeting began with a welcome address by Dr. Surendrakumar Bagde, Additional Secretary (H&V), MoHUA. Later, a presentation regarding the status of ongoing construction activities at the LHP sites was made by Shri RK Gautam, Director (HFA-V), MoHUA. Subsequently, State-wise progress of each project was reviewed in detail.

Secretary, MoHUA, directed the respective LHP States to expedite the process for selection of beneficiaries. He also urged the construction agencies to adopt COVID-19 appropriate behaviour at the sites and ensure the labours and staff are vaccinated.

Meanwhile, Secretary, MoHUA, also urged the States/Agencies to webcast the process of technology adoption at each location for knowledge sharing among Technograhis and other stakeholders. The Agencies were also asked to build sample houses at the earliest for people to see at sites.

The status of projects under ASHA-India in five Incubation Centres were also reviewed in the meeting.



## Additional Secretary, (H&V), MoHUA, visits Light House Project Indore

Dr. Surendrakumar Bagde, Additional Secretary, (H&V), MoHUA, visited Light House Project (LHP) site in Indore, Madhya Pradesh, on 21<sup>st</sup> August 2021 to review the on-ground progress of the project.

Dr. Bagde directed the concerned officials to fast-track construction process to ensure delivery of houses on time to LHP beneficiaries. He also urged the officials to promote LHPs amongst different stakeholders to let people know about the model housing project and the technology being adopted.



LHPs are being built as part of Global Housing Technology Challenge-India (GHTC-India). In Indore, 1,024 houses are being constructed using 'Prefabricated Sandwich Panel System with Pre-Engineered Steel Structural System', a globally advanced technology which does not use brick and mortar during construction process. Modern technology, innovative processes are being used to construct disaster-resilient, affordable and comfortable houses under LHPs.

## MoHUA to host Indian Housing Technology Mela in Lucknow

### INDIAN HOUSING TECHNOLOGY MELA

Promoting Indigenous and Innovative Materials, Skills,  
Construction Techniques & Processes

5<sup>th</sup> to 7<sup>th</sup> October, 2021

The Ministry of Housing and Urban Affairs (MoHUA) is organising a Conference-cum-Expo named Indian Housing Technology Mela (IHTM) in Lucknow from 5<sup>th</sup> October to 7<sup>th</sup> October 2021.

IHTM aims to bring together innovative indigenous construction technologies and material providers, innovators, entrepreneurs involved in low and mid-rise housing (up to 4 storeys) and end users at a common platform to achieve affordability, sustainability, disaster resilience while facilitating faster construction.

MoHUA invites technology providers to showcase their innovations through live demonstrations, audio-visual tools and other mediums at IHTM. Various stakeholders of construction industry like construction technology providers, architects, builders & developers, structural engineers, corporates, designers, institutions, contractors, product manufacturers & suppliers and

other stakeholders associated with housing construction sector will get opportunity to exchange their knowledge and develop their businesses. It creates a unique platform for cross learning and networking.

Various events such as technical sessions, panel discussions and display of affordable housing projects under PMAY(U) will be exhibited. Apart from these, networking sessions, convergence with the Start-up India Scheme, Skill India Mission and other related Missions; advocacy and confidence building programmes on innovative technologies/housing components and its use; outreach events to build mass awareness and training and capacity building sessions will also be a part of the Conference-cum-Expo.

**Let's Come Together & Build a New Urban India!**

## Technograhis Visit to Light House Projects sites in Chennai & Rajkot

A technical session was organised jointly by BMTPC, Tamil Nadu Slum Clearance Board (TNSCB) and B. G. Shirke Construction Company at Light House Project site in Chennai on 13<sup>th</sup> August 2021. Around 40 Technograhis, including engineers from TNSCB, Madras, students and engineers of CUBE-IIT and Construction agency attended the programme. Representatives of Third Party Quality Assurance (TPQA) from CUBE-IIT Madras were also present on site.

Precast RCC technology, in which precast components are assembled at site, is being used for construction of 1,152 EWS houses. In Chennai, the Technograhis were briefed about the GHTC-India initiatives, emerging technologies being used and construction process at the LHP site.

The participants were also shown the ongoing construction activities like erection of precast column, beam and slab. A sample flat has been constructed on site too.



Chennai



Over 50 students from Civil Engineering Department of RK University, Rajkot, visited LHP site in Rajkot on 25<sup>th</sup> August 2021. The Technograhis were briefed about the French technology of monolithic concrete construction using tunnel framework in use in Rajkot for construction of 1,144 houses with allied infrastructure. They also saw a glimpse of the ongoing construction work.



Rajkot



Like Chennai and Rajkot, such engaging sessions for Technograhis are being organised on regular basis at other LHP sites. Interested candidates can enrol at <https://ghtc-india.gov.in> to be part of on-site/virtual visits.

# PROGRESS OF LIGHT HOUSE PROJECTS AS ON SEPTEMBER 10, 2021

## CHENNAI, Tamil Nadu

Technology Name: **Precast Concrete Construction System-Precast Components**



No. of Dwelling Units : **1,152 Nos. (G+5)**  
 No. of Block / Tower : **12 Blocks**  
 Units in each Block / Tower : **96 Nos.**

Activities	Progress
Superstructure Work	<ul style="list-style-type: none"> <li>Completed - 10 blocks</li> <li>Fifth Floor work in progress - 2 blocks</li> </ul>
Sample unit	Completed Plastering & finishing work completed in 2 towers
Internal work (Electrical, Plumbing etc.)	In progress - all 12 blocks
Masonry work	In progress - all 12 blocks at different floors
Internal works (Flooring, Plastering, doors etc.)	In progress - 8 blocks



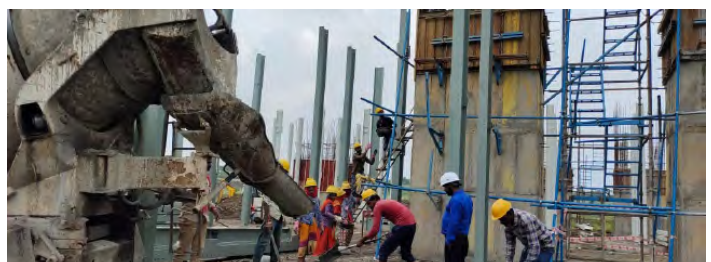
## INDORE, Madhya Pradesh

Technology Name: **Prefabricated Sandwich Panel System**



No. of Dwelling Units : **1,024 Nos. (S+8)**  
 No. of Block / Tower : **8 Blocks**  
 Units in each Block / Tower : **128 Nos.**

Activities	Progress
Superstructure work	<ul style="list-style-type: none"> <li>Ground Floor &amp; First Floor Shear wall work in progress in 4 blocks &amp; completed in 4 blocks</li> <li>Ground Floor &amp; First Floor Pre-engineered Steel (PEB) erection work in progress - 5 blocks</li> </ul>
Infrastructure Work	<ul style="list-style-type: none"> <li>Boundary wall, Community Centre, Solid Waste Management Plant work, Road work, under ground &amp; Sewer line work is in progress</li> <li>Steel (PEB) erection work in Community Centre, solid waste management work &amp; Electric Sub-station work is in progress</li> </ul>



# PROGRESS OF LIGHT HOUSE PROJECTS AS ON SEPTEMBER 10, 2021

## LUCKNOW, Uttar Pradesh

Technology Name: **PVC Stay in Place Formwork System**



No. of Dwelling Units : **1,040 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>Foundation (Dwelling Units)</b>	
Raft, Column upto Plinth	Completed – 4 Blocks
Plinth Beam & Anchor Bolts	Completed – 3 Block, In progress – 1 Blocks
<b>Superstructure work</b>	<ul style="list-style-type: none"> <li>• Stilt to 1st Floor shear wall (Staircase &amp; Lift well) work is in progress in all Blocks.</li> <li>• Stilt to 2<sup>nd</sup> Floor Pre-engineered Steel (PEB) erection work is in progress – 2 Blocks (Block A &amp; C)</li> </ul>



## RAJKOT, Gujarat

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



No. of Dwelling Units : **1,144 Nos. (S+13)**  
 No. of Block / Tower : **11 Blocks**  
 Units in each Block / Tower : **104 Nos.**

Activities	Progress
Foundation work	<ul style="list-style-type: none"> <li>• Completed - 7 blocks</li> <li>• In progress - 4 blocks</li> </ul>
Superstructure works	<ul style="list-style-type: none"> <li>• Block No. 8- Ground +10 storeys completed</li> <li>• Block No. 9 - Ground +12 storeys completed</li> <li>• Block No. 11 - Ground +5 storeys completed</li> <li>• Block No. 10 - Ground +1st floor completed</li> </ul>
Masonry work	• In progress - 2 blocks
Internal (electrical work)	• In progress - 2 blocks
Infrastructure work	• Foundation work under progress in Community Hall and Aaganwadi



# PROGRESS OF LIGHT HOUSE PROJECTS AS ON SEPTEMBER 10, 2021

## AGARTALA, Tripura

Technology Name: **Light Gauge Steel Structural System & Pre-Engineered Steel Structural System**



No. of Dwelling Units : **1,000 Nos. (G+6)**  
 No. of Block / Tower : **7 Blocks**  
 Units in each Block / Tower : **A(112), B(154), C(118), D(168), E(168), F(168) & G(112)**

Activities	Progress
Foundation (Dwelling Units)	
Pile Work	Completed – 3 Blocks In progress – 4 Blocks
Pile capping & Plinth beam	Yet to be taken up



## RANCHI, Jharkhand

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



No. of Dwelling Units : **1,008 Nos. (G+8)**  
 No. of Block / Tower : **7 Blocks**  
 Units in each Block / Tower : **144 Nos.**

Activities	Progress
Status of statutory approvals & Site mobilization	<ul style="list-style-type: none"> <li>Architectural drawings have been approved &amp; the environment clearance is expected shortly.</li> <li>The structural design &amp; drawings have been is have been approved by Committee of Experts</li> <li>The setting up of Casting Yard &amp; Batching plant is under progress. For Casting yard, PEB sections have been procured at site, Precast footings have been casted, however, laying of foundation work is delayed due to incessant rain.</li> <li>The boundary wall is being constructed using pre-fabricated footings, columns &amp; wall panels. The casting of these components are in progress.</li> </ul>



# SOCIAL MEDIA CORNER

**Durga Shanker Mishra** @Secretary\_MoHUA  
 My Ministry is promoting innovation & technology under #GHTCIndia, #LightHouseProjects. I urged stakeholders to enrol as #Technograhis & be partners in technological change transformation. I also mentioned about the new era after #RERA & #ModelTenancyAct #AazadiKaAmritMahotsav



**Housing For All** @PMAYUrban  
 The 6th meeting of Project Monitoring Committee (PMC) was held today under the chairmanship of Shri Durga Shanker Mishra, @Secretary\_MoHUA, to review the progress of 6 #LightHouseProjects under #GHTCIndia.



**Housing For All** @PMAYUrban  
 Shri Surendrakumar Bagde, Additional Secretary, MoHUA, reviewed the progress of #LightHouseProject site at Indore. Shri Bagde directed the concerned officials to fast-track construction process to ensure houses are delivered on time to LHP beneficiaries.



**Housing For All** @PMAYUrban - Aug 25  
 Another on-site training session for #Technograhis in Rajkot!  
 Over 50 students from Civil Engineering Department of RK University visited #LightHouseProject site in Rajkot today.



**Housing For All** @PMAYUrban  
 The #Technograhis were briefed about the French technology in use in Rajkot for construction of 1,144 houses with allied infrastructure. They also saw a glimpse of the ongoing construction work.



**Housing For All** @PMAYUrban - Aug 14  
 With #LightHouseProjects, let's welcome the new era of construction technology in India!

France's 'Monolithic Concrete Construction using Tunnel Formwork' technology is being used to build 1,144 affordable houses in Rajkot. Here's a glimpse of the ongoing work.



**Housing For All** @PMAYUrban  
 It is an opportunity for technology providers to showcase their innovations. The platform is open to all. All interested stakeholders, make #IndianHousingTechnologyMela your first stop.



**Housing For All** @PMAYUrban - Aug 24  
 #LightHouseProjects: A revolution in India's construction sector  
 At Ranchi, construction of 1,008 houses is underway using 'Precast Concrete Construction System - 3D Volumetric' technology from Germany. Take a look at the ongoing work at site.

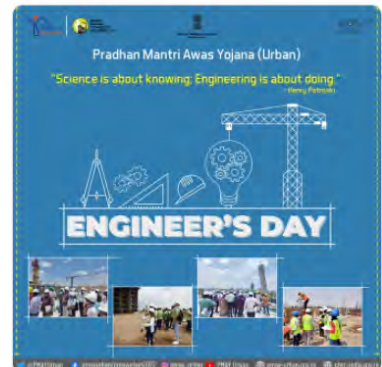


**Housing For All** @PMAYUrban  
 A seminar on 'Technology & Innovation' is being hosted under #AwasParSamvaad initiative of #PMAYUrban in Surat.



**Housing For All** @PMAYUrban  
 Remembering Shri M. Visvesvaraya, the exemplary engineer, on his birth anniversary.

Also, greetings on the occasion of #EngineersDay. It's the day to thank all the engineers who have played a pivotal role in building the nation with their innovative & technical ideas.



**Housing For All** @PMAYUrban  
 In the #Technograhis training series, an on-site programme was organised at #LightHouseProject Indore recently. Over 50 Technograhis, who were participants of #AwasParSamvaad, were briefed about innovative construction technologies on site. Here are the glimpses from the visit.



**Housing For All** @PMAYUrban  
 It's time for change, it's time to move to technology driven housing & that's what #IndianHousingTechnologyMela aims to do.

At the event, technology providers/entrepreneurs & other participants can DISCOVER indigenous & innovative construction systems for future use.

