

E-Newsletter-Vol - XL

LIGHT HOUSE PROJECTS

10th June 2024, New Delhi

Shri Narendra Modi takes oath as the Prime Minister of India



Shri Narendra Modi took oath as the Prime Minister of India for his third consecutive term at a ceremony at the Rashtrapati Bhawan. President Smt Droupadi Murmu administered the oath to the Prime Minister and his ministerial colleagues.

The President of India, Smt Droupadi Murmu hosted a banquet in honour of the leaders of neighbouring countries attending the swearing-in-ceremony of the Prime Minister of India at Rashtrapati Bhavan on June 9, 2024.

The Hon'ble Prime Minister's vision for promotion of Innovative Construction Technologies under PMAY-U shall continue in the 3rd term of the Government.

JS&MD, HFA reviews progress of Light House Projects at PMC Meeting

On 21st May 2024, Shri Kuldip Narayan, Joint Secretary & Mission Director (JS&MD), Housing for All (HFA), Ministry of Housing and Urban Affairs (MoHUA) chaired the 21st meeting of Project Monitoring Committee (PMC) in New Delhi. During the meeting, he reviewed the progress of the Light House Project (LHP), Agartala (Tripura), which is currently in construction phase. Occupancy status of LHP Lucknow and LHP Ranchi, which were inaugurated in March 2024, was also reviewed.

Shri RK Gautam, Deputy Director General (DDG), HFA and other senior officials of Ministry were present in the meeting along with respective State Government officials, representatives from the construction agencies and officials from Building Materials and Technology Promotion Council (BMTPC).



A presentation regarding the status of ongoing activities at the LHP Agartala site was made, JS&MD, HFA, directed the the construction agency of LHP Agartala to expedite work on site in order to handover the housing project timely. Issues related to the ongoing construction activities were also discussed in detail during the meeting.

Concluding the meeting, JS&MD, HFA re-emphasised the agency to take necessary measures for timely supply of materials and additional manpower to complete the LHP in all respects.



LHP Agartala

GHTC-India: A Timeline



Hon'ble Prime Minister Shri Narendra Modi envisaged a paradigm shift through technology transition using large scale construction under Pradhan Mantri Awas Yojana – Urban (PMAY-U) as an opportunity to get the best available construction technologies across the globe. On the above background, in January 2019, Ministry of Housing and Urban Affairs initiated Global Housing Technology Challenge - India (GHTC- India) with an aim to identify and mainstream best available innovative technologies from across the globe that are sustainable, green and disaster-resilient through a challenge process which could bring a paradigm shift in construction practices for housing sector.

Subsequently, Construction Technology India (CTI) – 2019: 1st Biennial Expo-cum-Conference was inaugurated by Hon'ble Prime Minister in March 2019, wherein he also declared the year 2019-20 as the 'Construction Technology Year' to promote new and alternate technologies at a large scale in the country. The Expo brought together multiple stakeholders from across the world involved in innovative and alternative housing technologies for exchange of knowledge and business opportunities and master classes.

The Ministry, through a Technical Evaluation Committee (TEC), shortlisted 54 innovative proven technologies suiting different geo-climatic conditions that could be considered for demonstration through actual ground implementation of six LHPs in six different regions across the country.

Steel Structural System, Precast Concrete Construction System - 3D Volumetric and Light Gauge Steel Framed (LGSF) System with Pre-engineered Steel Structural System, were selected for constructing six LHPs of about 1,000 houses each with allied infrastructure at Chennai, Rajkot, Indore, Lucknow, Ranchi and Agartala, respectively.

Significantly, Hon'ble Prime Minister laid the foundation stone of these LHPs in January 2021 and Hon'ble Governors, Hon'ble Chief Ministers of these six States along with other dignitaries joined the event from the LHP sites through video conferencing mode.

These six distinct innovative technologies, namely Precast Concrete Construction System - 3D Precast Volumetric, Precast Concrete Construction System – Precast Components Assembled at Site, Monolithic Concrete Construction using Tunnel Formwork, Prefabricated Sandwich Panel System with Pre-engineered Steel Structural System, Stay In Place PVC Formwork with Pre-Engineered



Location	Name of Technology	Country of Origin	No. of Houses	Project Cost (Cr.)
Chennai, Tamil Nadu	Precast Concrete Construction System – Precast Components Assembled at Site	Finland/USA	1,152	₹ 116.27
Rajkot, Gujarat	Monolithic Concrete Construction using Tunnel Formwork	France	1,144	₹ 118.90
Indore, Madhya Pradesh	Prefabricated Sandwich Panel System with Pre-engineered Steel Structural System	Japan	1,024	₹ 128.00
Lucknow, Uttar Pradesh	Stay In Place PVC Formwork with Pre-Engineered Steel Structural System	Canada	1,040	₹ 130.90
Ranchi, Jharkhand	Precast Concrete Construction System – 3D Volumetric	Germany	1,008	₹ 134.00
Agartala, Tripura	Light Gauge Steel Framed (LGSF) System with Pre-engineered Steel Structural System	New Zealand/Kenya	1,000	₹ 162.50
Total			6,368	₹ 790.57

Inauguration of LHP Chennai:

The first project - LHP Chennai was dedicated to the Nation by Hon'ble Prime Minister on 26th May 2022. This LHP was constructed in record time of 12 months despite COVID restrictions.



Inauguration of LHP Rajkot:

The project in Rajkot was inaugurated by Hon'ble Prime Minister as part of Indian Urban Housing Conclave (IUHC) hosted by MoHUA on 19th October 2022.



Inauguration of LHP Indore:

LHP Indore was inaugurated by Hon'ble Prime Minister on 5th October 2023 through digital mode.



Inauguration of LHP Lucknow and Ranchi:

The LHPs in Lucknow and Ranchi were inaugurated simultaneously by Hon'ble Prime Minister on 10th March 2024 during a mega event in Uttar Pradesh.



Lucknow

Ranchi



Message from JS&MD (HFA) Shri Kuldip Narayan

It was the year 2019 that the Ministry launched GHTC-India with an aim to bring a paradigm shift in the construction sector by enabling technology transition to enhance delivery and quality of affordable housing in India. GHTC-India proved to be a great platform to learn about the best available technologies across the globe and adopt them in Indian context. Light House Projects in six different regions of the country are a result of this initiative and today, these buildings stand tall and are home to thousands of beneficiaries.

Out of six LHPs, five of them have already been dedicated to the Nation by our Hon'ble Prime Minister while the one in Agartala is advancing towards its completion stage. With the completion of these LHPs, the dreams of spending a dignified life turned into reality for thousands of beneficiaries.

Due to rapid urbanisation, there is strong need of affordable housing in urban areas and timely delivery of these houses is only possible with adoption of new technology which are sustainable, eco-friendly and are equipped with all modern amenities and at the same time, ensure timely delivery of houses. LHPs have paved the path for their use in future context.

LHPs are model housing projects and I firmly believe that States/UTs should encourage use of new technology in the different housing projects coming up so that more and more people benefit from it and so does our economy and environment.

My best wishes!

सबका सपना घर हो अपना



“ हम एक पुराने किराये के घर में रहते हैं। बहुत परेशानी होती है। लाइट हाउस प्रोजेक्ट में मुझे सभी सुविधाएं मिल रही हैं। घर बहुत नए तरीके का है और मजबूत है। हमारे लिए इससे बढ़कर कोई खुशी नहीं। ”

- के बी त्रिपाठी, एलएचपी लखनऊ के लाभार्थी



“ हमारे सपनों का घर हमें लाइट हाउस प्रोजेक्ट परियोजना के तहत मिलेगा और इसके लिए सरकार को धन्यवाद। अब हमारे परिवार के पास भी एक है स्थिर घर होगा। ”

- शताब्दी मजूमदार, एलएचपी अगरतला की लाभार्थी



“ लाइट हाउस प्रोजेक्ट ने मुझे सिर पर छत और सुरक्षा का एहसास दिया है। अब मैं रात को चैन से सो पाता हूँ, यह जानकर कि मेरा परिवार सुरक्षित जीवन जिएगा। ”

- दिलीप कुमार, एलएचपी लखनऊ के लाभार्थी

Progress of Light House Project: 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	A & F Block is in progress
Floor finishing	A & F Block is in progress
Infrastructure Work	Boundary wall and Social Infrastructure foundation work is in progress.

