



E-Newsletter-Vol - XXXVIII

# LIGHT HOUSE PROJECTS

10<sup>th</sup> March 2024, New Delhi

## Hon'ble Prime Minister dedicates Light House Projects Lucknow & Ranchi to the Nation



On 10<sup>th</sup> March 2024, Hon'ble Prime Minister Shri Narendra Modi inaugurated Light House Projects (LHP) in Lucknow (Uttar Pradesh) and Ranchi (Jharkhand) via video conferencing mode from Azamgarh, Uttar Pradesh. Subsequently, more than 2,000 affordable houses built with modern infrastructure were dedicated to beneficiaries. Hon'ble Chief Minister of Uttar Pradesh Shri Yogi Adityanath, Hon'ble Deputy Chief Minister of Uttar Pradesh Shri Keshav Prasad Maurya and other dignitaries were also present on the occasion.

Beneficiaries of these housing projects were invited to the respective sites where they witnessed their dream of living in a pucca house getting realised. Some of the beneficiaries were also given key to their houses.

LHPs have been constructed under Global Housing Technology Challenge-India (GHTC-India) ambit of Pradhan Mantri Awas Yojana – Urban, Ministry of Housing and Urban Affairs (MoHUA). LHP Lucknow and LHP Ranchi are the fourth and fifth projects to be completed and inaugurated by Hon'ble Prime Minister among the six LHPs constructed in six different locations of the country.



## Glimpses from the inauguration day

### Lucknow



### Ranchi





## LHP Lucknow

Constructed at a cost of ₹ 130.90 Crore, the total built up area of LHP Lucknow is 47,826.6 sqm. It comprises of 1,040 dwelling units in four towers in S+13 floors configuration. The project is situated at Awadh Vihar area of Lucknow and is equipped with facilities such as internal roads, lifts, solar street light system, rain water harvesting, sewerage treatment plant, etc., among others. LHP Lucknow also has the facility of commercial centre and community centre. It has been constructed using Canada's Stay In Place PVC Formwork with Pre-Engineered Steel Structural System.



## LHP Lucknow Technology: Stay In Place PVC Formwork with Pre-Engineered Steel Structural System



### Construction Process

Conventional RCC foundation is first laid upto plinth level

Over the plinth, Customised steel columns & beams manufactured in the factory are erected at site

Factory made Stay In Place Formwork system are installed as infilled walls along with services

Deck slab installation in already erected steel structure

Concreting of deck slabs with reinforcement along with services i.e. electrical, plumbing are also installed in the already cut openings.

Once the structure is finished, finishing items are installed.

Technology brings resource optimization, improved quality, durability & better finish

Neat and dust free construction site due to use of factory-made Stay In Place Formwork system

### Special Features

- The construction of building is faster as compared to conventional buildings. The formwork needs some support only for alignment purpose
- In case of concrete as filling material, the curing requirement of concrete is significantly reduced, thus saving in precious water resources
- The formwork system does not have plastering requirement and gives a very aesthetic look



## LHP Ranchi

Germany's Precast Concrete Construction System – 3D Volumetric technology has been adopted to construct 1,008 dwelling units at LHP Ranchi. It has seven towers with G+8 floors. LHP Ranchi has been built at a cost of ₹ 134.00 Cr with total built up area of 49,442 sqm. It is located in Dhurwa area of the city. One of the primary features of the technology is that it has been used first time for mass housing project in the country. Each room has been made separately and then the entire structure has been added like Lego Blocks toys. Solar lighting, rainwater harvesting, sewerage treatment plant are the other features of LHP Ranchi.





## LHP Ranchi Technology: Precast Concrete Construction System – 3D Volumetric



### Construction Process

Conventional RCC foundation is first laid upto plinth level



Over the plinth, placement of modules/building blocks at site using cranes like Lego Blocks



Placement of pre cast floors on already erected structured modules/building blocks along with services i.e. electrical, plumbing are also installed in the already cut openings



Step 2 & 3 are repeated like Lego Blocks to complete a tower



Once the structure is finished, finishing items are installed



Technology brings resource optimization, improved quality, durability & better finish



Neat and dust free construction site due to use of factory-made building blocks

### Special Features

- The controlled factory environment brings resource optimization, improved quality, precision & finish
- The monolithic casting of walls & floor of a building module reduces the chances of leakage
- The system has minimal material wastage
- Use of optimum quantity of water through recycling
- Use of shuttering & scaffolding materials is minimal
- All weather construction & better site organization







## Social Media



**Hardeep Singh Puri (मोदी का परिवार)**  
@HardeepSPuri

Hon'ble Prime Minister, Shri @narendramodi Ji virtually inaugurated #LightHouseProjects in Lucknow & Ranchi today from Azamgarh, Uttar Pradesh.

These projects, comprising around 1000 houses each, are first of their kind and are masterpieces of innovative construction technology with all amenities inside the premises to provide ease of living to beneficiaries. These houses are durable, cost-effective, require low maintenance than the conventional practices & stride towards resource-efficiency, time saving & sustainable development in the construction sector.

@PMOIndia #PMAYUrban #HousingForAll #LightHouseProjects #TransformingUrbanLandscape



**Anurag Jain**  
@Secretary\_MoHUA

#LHPLucknow comprising of 1,040 houses with basic infrastructural facilities has been handed over to happy beneficiaries today by Hon'ble Prime Minister Shri @narendramodi.

#PMAYUrban #HousingForAll #LightHouseProjects #TransformingUrbanLandscape



**Anurag Jain**  
@Secretary\_MoHUA

#LHPRanchi comprising of 1,008 houses with basic infrastructural facilities has been dedicated today to nation by Hon'ble Prime Minister Shri @narendramodi.

#PMAYUrban #HousingForAll #LightHouseProjects #TransformingUrbanLandscape



**Ministry of Housing and Urban Affairs**  
@MoHUA\_India

Hon'ble Prime Minister Shri @narendramodi inaugurated #LightHouseProjects in Lucknow & Ranchi today through digital mode.

#PMAYUrban #HousingForAll #GHCIIndia #LHPs #LightHouseProjects #LHPLucknow #LHPRanchi #TransformingUrbanLandscape





## Social Media



**D.S. Mishra, Chief Secretary, GoUP** @ChiefSecyUP

लाइट हाउस प्रोजेक्ट लखनऊ का निर्माण नवीन तकनीक Stay In Place PVC Formwork with Pre-Engineered Steel Structural System के माध्यम से किया गया है। इसमें 34.50 वर्गमीटर कारपेट एरिया के कुल 1,040 भवन सम्मिलित हैं, जो चार बहुमंजिला ब्लॉकों में निर्मित हैं।

[Translate post](#)



**D.S. Mishra, Chief Secretary, GoUP** @ChiefSecyUP

आज माननीय प्रधानमंत्री जी ने आजमगढ़ से वीडियो कॉन्फ्रेंसिंग के माध्यम से लखनऊ में नवनिर्मित लाइट हाउस प्रोजेक्ट का लोकार्पण किया। लाइट हाउस प्रोजेक्ट अवध विहार योजना, लखनऊ के सेक्टर-5 में भूखंड संख्या-5/जीएच-4 पर बनाया गया है, जिसका क्षेत्रफल 02 हेक्टेयर है।

[Translate post](#)



**D.S. Mishra, Chief Secretary, GoUP** @ChiefSecyUP

आवासन और शहरी कार्य मंत्रालय द्वारा ग्लोबल हाउसिंग टेक्नोलॉजी चैलेंज इंडिया (GHTC-INDIA) के अंतर्गत चयनित यह लाइट हाउस प्रोजेक्ट अवध विहार योजना, लखनऊ में देश के लिए बिल्कुल नई निर्माण तकनीकी के प्रयोग से बने हैं।

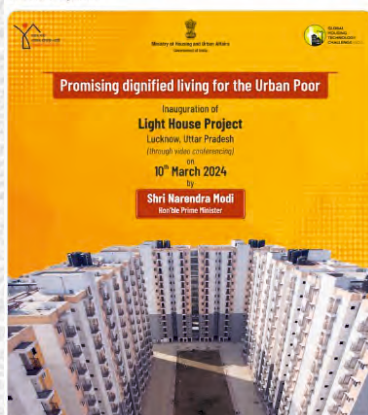
[Translate post](#)



**Housing For All** @PMAYUrban

Yet another milestone achieved!

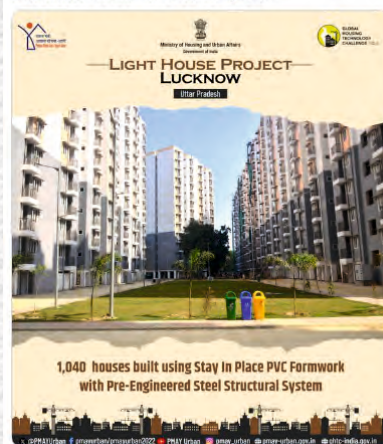
Hon'ble Prime Minister will inaugurate #LHPLucknow on 10th March 2024 through digital mode. The project, comprising of 1,040 houses, has been built using Stay-in-place PVC Formwork with Pre-Engineered Steel Structural System.



**Housing For All** @PMAYUrban

Hon'ble Prime Minister inaugurates #LHPLucknow!

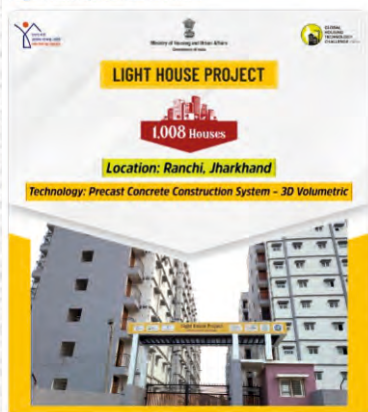
The newly-inaugurated project will provide dignified living to 1,040 families. Constructed at a cost of Rs 130.90 Crore, the housing project is spread across 4 towers in S-13 floor configuration.



**Housing For All** @PMAYUrban

#LightHouseProject Ranchi has come up with best class finish, durable & modern residential housing. Each house under the project is spacious, well-ventilated & has all basic facilities.

#PMAYUrban #HousingForAll #GHTCIndia #LHPs #LightHouseProjectRanchi #LHPRanchi



**Housing For All** @PMAYUrban

#LHPRanchi inaugurated by Hon'ble Prime Minister! With inauguration of #LHPRanchi, housing dreams of over 1,000 families have come true. The innovative construction technology employed here will give families a sustainable & futuristic living experience.





## Social Media



**Housing For All**  
@PMAYUrban

Hon'ble Prime Minister will be inaugurating the Light House Project in Ranchi on 10th March 2024 through digital mode! #LHPRanchi is first mass housing project in the country built using 'Precast Concrete Construction System - 3D Volumetric' technology.

**Promising dignified living for the Urban Poor**

Inauguration of  
**Light House Project**  
Ranchi, Jharkhand  
(through video conferencing)  
on  
**10<sup>th</sup> March 2024**  
by  
**Shri Narendra Modi**  
Hon'ble Prime Minister

#PMAYUrban #pragatiurban2022 #PMAYUrban #pmay.urban #pmay.urban.gov.in #ghtc-india.gov.in

**Pradhan Mantri Awas Yojana (Urban),UP**  
@PMAYU\_UP

दुर्बल आय वर्ग के 1,040 परिवारों को मिली आवास की सौगात।

आज, आजमगढ़ में माननीय प्रधानमंत्री श्री नरेन्द्र मोदी जी ने नवीनतम तकनीकी से बने लाइट हाउस प्रोजेक्ट लखनऊ का वीडियो कॉन्फ्रेंसिंग के माध्यम से लोकार्पण किया।

#PMAYUrbanUP #UPSUDA #PMAYUrban

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• Men and Others

**Pradhan Mantri Awas Yojana (Urban),UP**  
@PMAYU\_UP

लाइट हाउस प्रोजेक्ट ने यह साबित कर दिया कि देश के शहरी परिदृश्य को बदलने में प्रौद्योगिकी और नवाचार द्वारा महत्वपूर्ण भूमिका निभाई जा रही है। मा. प्रधानमंत्री जी के द्वारा लोकार्पित किए जाने के बाद मा. विधायक श्रीमती जय देवी द्वारा कतिपय लाभार्थियों को घरों की चाबी वितरित की गई।

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**Pradhan Mantri Awas Yojana (Urban),UP**  
@PMAYU\_UP

#एलएचपीलखनऊ: हर तस्वीर कुछ कहती है....

एलएचपी में बने प्लेग्राउंड में मस्ती करते बच्चे।

#PMAYUrbanUP #UPSUDA #PMAYUrban #HousingForAll #GHTCIndia #LightHouseProjects #LHPLucknow #AffordableHousing #ConstructionTechnology #TransformingLives #TransformingUrbanLandscape

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**SUDA (UTTAR PRADESH)**  
@SUDA\_UP

Media coverage of Grand Inauguration of #LHP in Lucknow.

Hon'ble Prime Minister Shri @narendramodi virtually inaugurated the transformative #LightHouse Project, marking a significant leap forward in affordable housing.

#LightHouseProject #AffordableHousing #PMAYUrban #PradhanMantriAwasYojana #SUDA

**नगरीय प्रशासन निदेशालय, झारखंड**  
@JharkhandDMA

Today Light House Project, Ranchi inaugurated by Hon'ble Prime Minister through Video Conferencing. At LHP Ranchi site Grih Pravesh done in the presence of Shri Sanjay Seth, MP, Shri Naveen Jaiswal, MLA, Shri Amit Kumar, MC, RMC and Shri Aditya Kumar Anand, Director, DMA.