

**GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS**

LOK SABHA

UNSTARRED QUESTION NO. 2576

TO BE ANSWERED ON MARCH 17, 2022

INNOVATIVE LIGHT HOUSE PROJECT

**NO. 2576. SHRI MITESH RAMESHBHAI PATEL (BAKABHAI):
SHRIMATI SHARDABEN ANILBHAI PATEL:**

Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

- (a) the details of the Innovative Light House project of the Government;**
- (b) the objectives of the project and the manner in which these are being achieved, project-wise; and**
- (c) the manner in which civilian and construction related academic community, engineering sector has benefitted from this project?**

ANSWER

THE MINISTER OF STATE IN THE

MINISTRY OF HOUSING AND URBAN AFFAIRS

(SHRI KAUSHAL KISHORE)

(a): The details of the Innovative Light House Projects (LHPs) of the Government are at Annexure.

(b) & (c): The objective of LHPs is to showcase the use of innovative construction technologies in the building construction industry which are rapid, sustainable, disaster resilient, cost-effective as compared to conventional construction system. It aims to bring about technology transition through adoption and mainstreaming of innovative technologies in the country.

These LHPs are serving as Live Laboratories for different aspects of transfer of technology to the field which includes planning, designing, production of components, construction practices, testing, documentation, reporting, evaluation and finally performance monitoring.

In order to achieve the objective of LHPs, hands on experience on use of innovative technologies on ground is being provided to Academic Community (Technical Institutions/Students), State/Local Govt., Central Ministries, Construction Workers, Public Sector Agencies, Private Sector Organisations, Technology/Material Providers, Architect/ Planner, professionals of engineering sector etc. who have been termed as 'Technograhis'.

Wide scale learning on the use of innovative technologies is being promoted through regular onsite visits for Technograhis. Moreover, various offsite activities such as e-courses, trainings, webinars, webcasting etc. are being organised by the Ministry for wider adoption of the innovative technologies by the stakeholders of the construction sector including States/Union Territories, Public/Private Entities. Further, various aspects of construction process of LHPs & other technical documents/videos/information are being regularly made available on the Ministry's website for learning and knowledge dissemination.

Annexure referred in reply to LS USQ No. 2576 due for answer on 17.03.2022

Details of the Innovative Light House project of the Government

S. No.	Location of LHP	No. of Dwelling Units	Adopted Technology
1.	Agartala, Tripura	1,000 (G+6)	Light Gauge Steel Frame with pre-engineered steel structural system
2.	Indore, Madhya Pradesh	1,024 (S+8)	Prefabricated Sandwich Panel System with pre-engineered steel structural system
3.	Lucknow, Uttar Pradesh	1,040 (S+13)	Stay In Place PVC Formwork with pre-engineered steel structural system
4.	Chennai, Tamil Nadu	1,152 (G+5)	Precast Concrete Construction System-Components assemble at site
5.	Rajkot, Gujarat	1,144 (S+13)	Monolithic Concrete Construction system (Tunnel Form)
6.	Ranchi, Jharkhand	1,008 (G+8)	3D Volumetric Precast Concrete construction
