

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

**LOK SABHA**

**UNSTARRED QUESTION NO. 2588**

**TO BE ANSWERED ON MARCH 17, 2022**

**PROGRESS UNDER PMAY-U**

**NO. 2588. SHRI RAJENDRA DHEDYA GAVIT:  
SHRI UNMESH BHAIYYASAHEB PATIL:  
SHRI SUJAY RADHAKRISHNA VIKHE PATIL:  
SHRI HEENA GAVIT:  
SHRI SHRIKANT EKNATH SHINDE:  
SHRI KRISHNA PAL SINGH YADAV:  
SHRIMATI APARUPA PODDAR:**

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

- (a) the details of progress made under Technology Sub-Mission (TSM) under Pradhan Mantri Awas Yojana - Urban (PMAY-U), State-wise;**
- (b) the status of six light house projects constructed under TSM;**
- (c) the total funds released for the development of projects under the scheme, project-wise; and**
- (d) the details of progress made with regards to the thirteen Demonstration Housing Projects (DHPs) undertaken by the Government under the initiative?**

**ANSWER**

**THE MINISTER OF STATE IN THE  
MINISTRY OF HOUSING AND URBAN AFFAIRS**

**(SHRI KAUSHAL KISHORE)**

**(a): A Technology Sub-Mission (TSM) under the Pradhan Mantri Awas Yojana-Urban (PMAY-U) Mission has been set up to facilitate adoption of modern, innovative and green technologies and building material for faster and quality construction of houses. Technology Sub-Mission also facilitates preparation and adoption of layout designs and building plans suitable for various geo-climatic zones and assists States/ Cities in deploying disaster resistant and environment friendly technologies.**

**Following activities have been undertaken under TSM:**

- i. Global Housing Technology Challenge – India (GHTC-India) was initiated to identify and mainstream globally best available proven construction technologies that are rapid, sustainable, green and disaster resilient.**
- ii. Under GHTC-India, 54 innovative proven construction technologies shortlisted from across the globe.**
- iii. Six Light House Projects (LHPs) using six distinct technologies shortlisted under GHTC-India are constructed at six places in the country.**
- iv. A free online Enrolment of TECHNOGRAHIS has been started for exposing the interested stakeholders to learn different phases of use of innovative technologies in LHPs for adoption and replication.**
- v. Under Affordable Sustainable Housing Accelerator (ASHA)-India, five Incubation Centres have been set up to provide Incubation Support to potential future technologies that are not yet market ready.**
- vi. An online course named NAVARITIH (New, Affordable, Validated, Research Innovation Technologies for Indian Housing) has been started to enhance the capability of building professionals about the new and emerging building materials, technologies and processes for construction.**
- vii. Indian Housing Technology Mela (IHTM) was organized to showcase the domestic indigenous and innovative technologies, building materials and construction processes for low & medium rise houses. 84 innovative technologies/ products/ materials were shortlisted under IHTM.**
- viii. More than 15 lakh houses are being constructed/completed using new technologies in various Central and State Schemes. State-wise details of houses which are constructed using new construction technologies is given at Annexure-I.**

**(b) & (c): The Ministry is constructing six LHPs consisting of about 1,000 houses each with physical and social infrastructure facilities at six places across the country using six distinct innovative technologies shortlisted**

**from across the globe. The objective of LHPs is to showcase the use of these technologies in the building construction industry which are rapid, sustainable, disaster resilient, cost-effective as compared to conventional construction system. The construction of all six LHPs are currently in full swing. The project-wise details of total funds released for development of LHPs are at Annexure-II.**

**(d): Ministry is constructing Demonstration Housing Projects (DHPs) under PMAY(U) to showcase the field level application of new emerging technologies in housing sector. 7 such DHPs have been completed and handed over to the State Governments for propagation of use of new technologies to related stakeholders. In addition, 6 DHPs are currently being constructed using the innovative technologies in different States.**

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## Houses being Constructed using New Construction Technologies

S.No.	State/UT	EPS and other Sandwich Panel	Monolithic RCC using Aluminum Formwork	Monolithic RCC using Tunnel Formwork	Precast RCC Technology	Precast RCC (Wafflecrete)	SLIP form work	Fly-Ash Hollow Blocks	Precast 3 D Volumetric Technology	Prefabricated Steel Structure	Structural Stay in Place Formwork System	Light Gauge Steel Frame Structure (LGSF)	Glass Fibre Reinforced Gypsum (GFRG) Panel	Over all houses Sanctioned
1	Andhra Pradesh	192	7,01,481	-	2,336	-	-	-	-	-	-	-	36	7,04,045
2	Chhattisgarh	-	6,882	-	11,111	-	-	-	-	-	-	-	-	17,993
3	Delhi	-	17,412	-	73,496	-	-	-	-	-	-	-	-	90,908
4	Gujarat	-	47,606	1,144	-	6,953	-	-	-	-	-	-	-	55,703
5	Haryana	-	14,700	-	10,750	-	-	-	-	-	-	-	-	25,450
6	Himachal Pradesh	-	-	-	-	-	-	-	-	249	-	-	-	249
7	Jharkhand	-	-	750	40,665	-	-	-	1,008	-	-	-	-	42,423
8	Karnataka	-	29,074	-	12,555	-	133	-	1,520	-	-	-	-	43,282
9	MadhyaPradesh	1,024	-	-	-	-	-	-	-	-	-	-	-	1,024
10	Maharashtra	-	1,72,277	32,031	1,66,306	-	3,099	864	-	-	-	-	-	3,74,577
11	Odisha	32	-	-	7,762	-	-	-	-	-	-	-	-	7,794
12	Puducherry	-	1,136	-	-	-	-	-	-	-	-	-	-	1,136
13	TamilNadu	-	21,428	532	3,664	-	-	-	-	-	-	-	-	25,624
14	Telangana	-	12,316	8,739	-	-	-	-	-	-	16	16	-	21,087
15	Tripura	-	-	-	-	-	-	-	-	-	-	1,000	-	1,000
16	UttarPradesh	1,080	12,572	-	61,782	-	-	-	-	-	-	-	-	75,434
17	Uttarakhand	-	2,187	-	-	-	-	-	-	-	-	-	-	2,187
18	WestBengal	-	12,601	-	-	-	58	-	-	-	-	-	-	12,659
<b>Total</b>		<b>2,328</b>	<b>10,51,672</b>	<b>43,196</b>	<b>3,90,427</b>	<b>6,953</b>	<b>3,290</b>	<b>864</b>	<b>2,528</b>	<b>249</b>	<b>52</b>	<b>1,016</b>	<b>36</b>	<b>15,02,611</b>

**Annexure-II referred in reply to LS USQ No. 2588 due for answer on 17.03.2022**

**Project-wise details of funds released to BMTPC as Central Assistance, States and Beneficiary Share for Light House Projects**

<b>S. No.</b>	<b>Name of LHPs</b>	<b>Project Cost (₹in crore)</b>	<b>Fund released (₹in crore)</b>
1.	Indore, Madhya Pradesh	128.00	54.15
2.	Rajkot, Gujarat	118.90	72.72
3.	Chennai, Tamil Nadu	116.26	93.01
4.	Ranchi, Jharkhand	134.00	48.38
5.	Agartala, Tripura	162.50	70.50
6.	Lucknow, Uttar Pradesh	130.90	75.24
<b>Total</b>		<b>790.56</b>	<b>414.00</b>