

**Estimated Expenditure:**

- The detailed design and drawings are under preparation and the detailed cost estimates shall be worked out once the drawings are finalized.

(c) and (d) Consultation with all stake holders, statutory bodies is a continuous process. Consultations with stakeholders including environmentalists, town planners, architects has been undertaken by the consultant appointed by the CPWD. Ministry has also held stakeholders consultations.

(e) Existing Parliament building shall be utilized for various works related to Parliamentary functions, once it is structurally rehabilitated and renovated.

**Pollution due to construction work under PMAY(U)**

†1530. SHRI PRABHAT JHA: Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

(a) whether pollution due to the construction work is the major cause of air pollution in the country;

(b) whether construction work under Prime Minister Awas Yojana (Urban) [PMAY(U)] is being done in environment-friendly manner, if so, the details thereof;

(c) whether with reference to the same, necessary guidelines have been issued to the companies engaged in construction work under PMAY(U) and whether its regular monitoring is being carried out; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF HOUSING AND URBAN AFFAIRS (SHRI HARDEEP SINGH PURI): (a) Central Pollution Control Board (CPCB) under Ministry of Environment, Forest and Climate Change (Mo EFCC) has reported that several studies have been conducted to identify major air pollution sources and their contributions to ambient air pollution levels in the country. The major sources of particulate matter are road dust suspension, vehicles, biomass/garbage burning, construction, industries, etc.

(b) Technology Sub-Mission (TSM) under Pradhan Mantri Awas Yojana - Urban (PMAYU) Mission envisages to facilitate the adoption of modern, innovative and green technologies and building materials for faster and quality construction of houses.

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†Original notice of the question was received in Hindi.

These new technologies are generally pre-engineered/prefabricated *i.e.* the components are manufactured in the factory/yard which are transported to site and then assembled to construct the building. Being manufactured in factory, the quality control is better as compared to the on-site construction and the generation of dust at project site is significantly lower in comparison to conventional construction. Building Materials and Technology Promotion Council (BMTPC), an autonomous organization under the aegis of Ministry of Housing and Urban Affairs (MoHUA) is mandated to identify, evaluate and promote emerging construction systems suiting to different geoclimatic conditions of the country, which are safe, sustainable and environment-friendly and ensure faster delivery of quality houses. So far, BMTPC has evaluated and certified 36 housing technologies/systems under Performance Appraisal and Certification Scheme (PACS).

Central Public Works Department (CPWD) has also published Schedule of rates for new technologies with an objective to give impetus to the use of new technologies. CPWD has so far issued Schedule of Rates (SORs) on 29 new and emerging technologies/materials.

The MoHUA is further implementing Global Housing Technology Challenge - India (GHTC-India) to select the innovative, disaster resilient, sustainable and cost effective technologies for affordable housing in India through global challenge process. The objective of GHTC-India is to bring paradigm shift in building construction sector through use of innovative and sustainable technologies.

(c) and (d) The projects under PMAY-U Mission are implemented by the concerned State/Union Territory (UT) Government/Urban Local Body (ULB). However, the MoHUA issues documents/guidelines regarding use of new and sustainable technologies. Under PMAY-U Mission, there is a provision for Third Party Quality Monitoring to ensure quality of construction of houses in addition to State/UT Government own monitoring system. There is also provision for sample monitoring by the MoHUA.

Further, BMTPC undertakes regular training and capacity building programmes for engineers, architects and other construction professionals on alternative/emerging technologies at State/ULB level to make the professionals aware of technical aspects of such technologies. BMTPC also organises Seminars, Workshops and Exhibitions to promote emerging technologies in different parts of the country to build capacities about use of emerging technologies amongst various stakeholders. The evaluation and certification scheme is also carried out by BMTPC under TSM of PMAY-U Mission.

So far, more than 15 lakh houses are constructed/under construction under PMAY-U Mission and other housing schemes in various States/UTs with new and sustainable technologies.

### Completion status on SCM

1531. SHRI MD. NADIMUL HAQUE: Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

(a) whether the Smart City Mission (SCM) to develop 100 cities by 2020 is nearing completion and details thereof;

(b) the total budgetary allocation and total expenditure incurred on the mission, year-wise; and

(c) the State-wise details of expenditure on the mission and smart cities and the facilities developed?

THE MINISTER OF STATE OF THE MINISTRY OF HOUSING AND URBAN AFFAIRS (SHRI HARDEEP SINGH PURI): (a) The Government of India (GoI) launched Smart Cities Mission (SCM) on 25 June 2015 for developing 100 cities as Smart Cities. The selection of 100 smart cities was conducted through a City Challenge Process in four rounds of selection from January, 2016 to June, 2018. The Smart Cities are expected to complete their projects within 5 years from the date of its selection.

(b) The year-wise details of funds allocated and released to the States/Union Territories by the GoI under SCM are given below:—

(₹ in crore)

Financial Year	Funds allocated	Funds released
2015-16	1,496.2	1,469.2
2016-17	4,598.5	4,492.5
2017-18	4509.5	4,499.5
2018-19	6,000.0	5856.8
2019-20	6,450.0	2496.0*
<b>TOTAL</b>	<b>23,054.2</b>	<b>18,810.1</b>

\*Till 24th February, 2020.