

**GOVERNMENT OF INDIA**  
**MINISTRY OF HOUSING AND URBAN AFFAIRS**  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1530**  
**TO BE ANSWERED ON MARCH 04, 2020**

**POLLUTION DUE TO CONSTRUCTION WORK UNDER PMAY(U)**

**NO. 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?

**ANSWER**  
**THE MINISTER OF STATE (INDEPENDENT CHARGE) 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. 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) & (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 Govt. 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.