

Some States/UTs have taken projects more than the approved SAAP size. In such cases, the entire excess cost will be incurred by the respective States/UTs.

So far, ₹ 7,877 crore has been released towards Central Assistance for implementation of projects under the Mission against which Utilization Certificates (UCs) of ₹ 2,238 crore has been received by the Ministry.

#### **Development of eco-friendly bricks**

†4357. SHRI SANJAY RAUT: Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

(a) whether it is a fact that many students belonging to different areas of the country have succeeded in developing eco-friendly bricks from garbage and waste chemicals which are very strong and economical than as compared to the bricks made of clay;

(b) if so, whether Government is aware of this development; and

(c) the manner in which Government is promoting such inventions so that such economical and eco-friendly bricks may be used throughout the country to get cheap houses?

THE MINISTER OF STATE OF THE MINISTRY OF HOUSING AND URBAN AFFAIRS (SHRI HARDEEP SINGH PURI): (a) to (c) The Building Materials and Technology Promotion Council (BMTPC) under the aegis of the Ministry of Housing and Urban Affairs (MoHUA) has been mandated for promotion of alternate and environment friendly building materials and technologies. The BMTPC has reported that they are not aware of any bricks developed from garbage and waste chemicals by students. The BMTPC has also not come across or been approached by students in this regard.

The BMTPC is operating Performance Appraisal Certification Scheme (PACS) to promote new and alternate innovative technologies in which the new product can be evaluated and certified.

A Technology Sub-Mission (TSM) under Pradhan Mantri Awas Yojana (Urban) {PMAY(U)} Mission has also been set up with the objective of providing “Sustainable Technological Solutions for Faster and Cost Effective Construction of Houses suiting to Geo-Climatic and Hazard Conditions of the Country”. The BMTPC has been designated as nodal agency for TSM.

Till date, the BMTPC has identified and evaluated sixteen emerging construction systems for mass housing. Central Public Works Department (CPWD) has issued

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† Original notice of the question was received in Hindi.

Schedule of Rates (SoRs) for the seven innovative housing construction technology. National Building Code (NBC) 2016 has also incorporated the use of new housing construction technology in its norms. As on date, under PMAY(U) Mission, about forty five lakh houses have been sanctioned and nearly six lakh and fifty thousand houses across the country are being constructed by using new housing construction technology.

#### **Achievements of AMRUT**

4358. SHRI HUSAIN DALWAI: Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

- (a) the details of funds allocated, sanctioned, released and utilised under each component of AMRUT, since 2015 onwards, year-wise;
- (b) the details of target set and achieved under the scheme;
- (c) whether houses without water connections have since been provided with connections; and
- (d) if so, the details of number of water connections provided including connections provided in slums?

THE MINISTER OF STATE OF THE MINISTRY OF HOUSING AND URBAN AFFAIRS (SHRI HARDEEP SINGH PURI): (a) Under Atal Mission for Rejuvenation and Urban Transformation (AMRUT), the Ministry of Housing and Urban Affairs does not approve individual projects or city/year-wise proposals but accords approval to the State Annual Action Plans (SAAPs) submitted by the State/Union Territory (UT) and releases Central Assistance as per Mission guidelines. Selection of individual projects, appraisal, approval and implementation is done by the concerned State/Union Territory Government. SAAPs of ₹ 77,640 crore, including committed Central Assistance of ₹ 35,990 crore, have been approved by the Ministry of Housing and Urban Affairs for the entire Mission period in three rounds.

As per approved SAAPs, ₹ 39,011 crore for water supply projects, ₹ 32,455 crore for sewerage and septage management projects, ₹ 2,969 crore for storm water drainage, ₹ 1,436 crore for urban transport (non-motorized) projects and ₹ 1,769 crore for parks/green spaces projects have been allocated in 500 Mission cities throughout the country. The State-wise details of funds allocated/sanctioned/released and utilization certificates received so far in the Ministry have been given in the Statement (*See below*).

(b) Against the total SAAP size of ₹ 77,640 crore, the progress in implementation of projects as on 02 April, 2018 is as under:—