GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS
RAJYA SABHA
UNSTARRED QUESTION NO. 699

ANSWERED ON 02/12/2024

ADOPTING NEW TECHNOLOGIES IN HOUSING/CONSTRUCTION SECTOR

699. DR. AJEET MADHAVRAO GOPCHADE:

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

(a) whether Government is contemplating to develop strategy for better coordination between Building Materials and Technology Promotion Council (BMTC) under Ministry of Housing and other agencies like the National Council for Cement and Building Materials (NABCB) under Ministry of Commerce, CSIR-Central Building Research Institute and CSIR-Central Road Research Institute (CRRI) in view of the fact that lack of coordination among these entities is hindering the construction industry's ability to adopt new technologies;

(b) if so, the details thereof; and

(c) the reason Government is not encouraging State Governments to adopt new technologies in housing/ construction sector and collaborate with research agencies mentioned above?

ANSWER

THE MINISTER OF STATE IN THE MINISTRY OF HOUSING AND URBAN AFFAIRS (SHRI TOKHAN SAHU)

(a) to (c): Under Pradhan Mantri Awas Yojana - Urban (PMAY-U), Ministry of Housing and Urban Affairs (MoHUA), Government of India, has set up a Technology Sub-Mission (TSM) for promotion and adoption of innovative, sustainable, eco-friendly and disaster-resilient technologies and building materials by various stakeholders of construction sector for fast, cost effective and quality construction of houses. Apart from the identification & evaluation of innovative technologies, MoHUA is working on comprehensive strategies for mainstreaming the new & innovative technologies across various States/Union Territories (UTs) in the country. Building Materials and Technology Promotion Council (BMTPC), Central Building Research Institute (CBRI) and many other such institutions are playing important role in research/development/promotion of new technologies/products within the country with collaboration of MoHUA contributing in the activities of TSM. Further, these agencies along with IITs/NITs are playing key role in evaluation & validation of technologies its suitability in terms of its structural & functional aspects as per Indian geo-climatic conditions, for application under PMAY-U or Indian building construction sector as a whole.

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All these agencies have been contributing as per their areas of expertise towards identification & evaluation of new products/technologies in seminars cum exhibitions held in the past by MoHUA under Global Housing Technology Challenge - India (GHTC-India) organized. CBRI-Roorkee along with North East Institute of Science & Technology (CSIR-NEIST) is one of the identified Affordable Sustainable Housing Accelerators (ASHA) – India centres by MoHUA, which is incubating alkali activated agro-waste based housing system.

Learning from the experiences of PMAY-U, MoHUA has launched PMAY-U 2.0 'Housing for All' Mission with effect from 01.09.2024 for implementation in urban areas across the country to construct, purchase and rent a house by eligible beneficiaries at affordable cost through four verticals i.e., Beneficiary Led Construction (BLC), Affordable Housing in Partnership (AHP), Affordable Rental Housing (ARH) and Interest Subsidy Scheme (ISS). The scheme guidelines are available at https://pmay-urban.gov.in/pmay-u-2.0-guidelines.

The TSM set up under PMAY-U continues to guide and facilitate States/UTs and other stakeholders in adoption of modern, innovative and green technologies and alternate building material for faster and quality construction of houses. It is further extended as Technology & Innovation Sub-Mission (TISM) under PMAY-U 2.0 to support innovative design and construction practices and projects. It facilitates preparation and adoption of layout designs and building plans suitable for various geoclimatic zones. The Sub-Mission coordinates with various regulatory and administrative bodies for mainstreaming and up-scaling the deployment of modern construction technologies and material in place of conventional construction materials practices. It also coordinates with other agencies working in green and energy efficient technologies, climate changes adaptation etc.

Under the TISM, Centre and State are also encouraged to partner with interested IITs, NITs, research laboratories and Planning & Architecture institutes and other technical institutions for developing technical solutions, capacity building and handholding of States/UTs/Cities. TISM aims to integrate inputs & research findings of institutions like National Council for Cement and Building Materials (NCB), CSIR - Central Road Research Institute (CSIR-CRRI), Central Building and Research Institute (CBRI) -Roorkee, and align activities of all partner institutions such as Building Materials and Technology Promotion Council (BMTPC), Bureau of Indian Standard (BIS), School of Planning and Architecture (SPA), various IITs etc. as well as States/UTs for promotion of sustainable technologies & innovative building construction practices.

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