



No. N-11019/10/2018-HFA-V-UD/FTS-9042356  
Government of India  
Ministry of Housing and Urban Affairs (MoHUA)  
(HFA Directorate)

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Nirman Bhawan, New Delhi-11,  
Dated: 09 January, 2019.

### OFFICE MEMORANDUM

Subject: **Conduct of Global Housing Technology Challenge - India (GHTC-India) - reg.**

The Ministry of Housing and Urban Affairs (MoHUA) has been implementing Pradhan Mantri Awas Yojana (Urban) {PMAY(U)} Mission to provide pucca houses by the year 2022, when the Nation completes its 75 year of independence. Till date, against the validated demand of 1 crore houses, MoHUA has sanctioned around 70 lakh houses in different States and UTs, out of which 37 lakh have been grounded for construction and around 15 lakh have been provided to the beneficiaries.

2. The PMAY(U) Mission guidelines have already provisioned for setting up of a Technology Sub-Mission (TSM) to facilitate adoption of modern, innovative, sustainable, green and disaster-resistant technologies and building material for low cost, faster and quality construction of houses. In order to address the housing shortage in a time-bound manner, it is crucial to look for emerging, cost effective and speedy construction technologies that are disaster-resilient and environment friendly, which can form the basis of affordable housing construction in India. The Hon'ble Prime Minister has impressed upon the need to use the innovative technologies in mass housing construction under PMAY (U) at several occasions. It has been envisioned to source technologies from all over the world and identify such technologies which would be suitable for adoption in India, given its unique geo-climatic conditions and user preferences based on diverse cultures. The shift in technology transition will also address the large scale housing construction in minimum time and cost with optimum use of resources and environment friendly practices.

3. For addressing the housing shortage in a time-bound manner and to get best globally available emerging, cost effective and speedy construction technologies, MoHUA has conceptualized to conduct **"Global Housing Technology Challenge - India (GHTC-India)"**. This challenge will offer an opportunity to invite innovative construction technology providers from all over the globe and develop an eco-system for getting them absorbed expeditiously in the country. GHTC - India intends to involve all stakeholders including Central/ State and UT Governments, Academic Institutions, Private Sector Agencies, Technology Certification and Standardization Organisations & Professional Organizations.

4. The challenge has three components viz. conduct of **Expo-cum-Conference**, identifying **Proven Demonstrable Technologies**, and establishment of **Affordable Sustainable Housing Accelerators- India (ASHA-India)**. The Grand Expo-cum-Conference will be conducted biennially. The First Expo-cum-Conference will be organised by MoHUA in partnership with National Real Estate Development Council (NAREDCO) and subsequent Expos will be organised by NAREDCO in partnership with MoHUA. The Expo will provide a platform for all stakeholders associated with innovative and alternative housing technologies, for the exchange of knowledge and business opportunities through networking events and workshops.
5. The second component intends to identify and pilot 'Proven Demonstrable Technologies' from all over the world. The shortlisted global technology providers will be invited to plan and construct light house projects within the framework of PMAY(U) at six identified regions of the country to showcase the effectiveness related to time, cost, quality and sustainability.
6. The third component will provide incubation and accelerator support to 'Potential Emerging Technologies' from India that have potential but are not yet market-ready and need more technical handholding/ improvements. Through this initiative, Incubation Centres will be set up in four Indian Institute of Technologies (IITs) in different regions.
7. The launch of GHTC-India will be held on 14<sup>th</sup> January, 2019 in New Delhi by Hon'ble Minister of State (Independent Charge), Ministry of Housing and Urban Affairs. The Ministry will organise the First Expo-cum-Conference during 01-02 March, 2019 at Vigyan Bhawan, New Delhi in the august presence of Hon'ble Prime Minister.
8. HFA Directorate of the Ministry will be the nodal Secretariat to conduct the GHTC-India.
9. This issues with the concurrence of IFD and approval of the Competent Authority.

  
(B.K. Mandal)

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**To:**

All Concerned

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