

Global Housing Technology Challenge-India

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Source: Ministry of Housing and Urban Affairs

The Ministry of Housing and Urban Affairs, Government of India has conceptualized a Global Housing Technology Challenge – India (GHTC- India) which **aims to identify and mainstream a basket of innovative technologies from across the globe that are sustainable and disaster-resilient.** Such technologies would be cost-effective, speedier and ensure a higher quality of construction of houses, meeting diverse geo-climatic conditions and desired functional needs.

Key features

- It **seeks to obtain the best available innovative construction technologies from across the globe through a unique competitive process.**
- It **aims to transform the eco-system of the housing construction sector in the country** through **lighthouse projects** built using advanced proven technologies.
- It will foster the development of domestic technological research, and building platforms for knowledge sharing and networking across the sector.
- The GHTC-India platform aspires to **provide an eco-system for the adoption of innovative technologies in the housing construction sector in a holistic manner.**
- Lighthouse projects are envisaged that will be built using these innovative technologies and further support will be provided to upcoming domestic technologies to foster an environment of research and development.
- Conceptualised through extensive consultations with various stakeholders, **GHTC-India leverages the scale and successes of the Pradhan Mantri Awas Yojana (Urban)** and

its Technology Sub-Mission.

- It furthers the transformative vision of the government in technological advances to rapidly deliver low-cost housing that meets stringent environmental, societal, quality and economic standards.
- To enable a technology transition, GHTC-India will encourage participation from across the affordable urban housing and construction sectors, such as technology providers, researchers, start-ups, developers, academia, public sector agencies, and civil society organizations.

Components of GHTC

1. **Construction Technology India-2019 Expo- Cum-Conference:** A grand event for innovative technology promotion that facilitates the exchange of knowledge and business and forming potential partnerships.
2. **Proven Demonstrable technologies:** Empanelling appropriate established technologies from across the globe, and inducting them in the Indian market through lighthouse projects.
3. **Potential Future Technologies:** Establishment of **Affordable Sustainable Housing Accelerators India (ASHA-India)** for Indian technologies which have potential but not market-ready yet. These technologies will be provided required support for development through Incubation Centres or field level application through Accelerator Workshops.