



**GLOBAL
HOUSING
TECHNOLOGY
CHALLENGE INDIA**



NEW URBAN INDIA

Promoting Technology & Innovations in Housing

Expo-cum-Conference

27-29 March, 2020 | Vigyan Bhawan, New Delhi



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[@GhtcIndia](https://twitter.com/GhtcIndia)



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Why ?

1cr+ houses of PMAY(U) comprises of about 60% individual houses through BLC vertical

Requirement of building materials and construction technologies is different for BLC and mid rise houses

Innovations and research with respect to construction technologies, processes and building materials/components for small/mid rise houses are being taken up and requires upscaling

Existing sustainable technologies/materials requires wider advocacy and better outreach

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New Urban India: Promoting Technology & Innovations in Housing, Expo-cum-Conference is being organized for Promoting local materials, skills & construction techniques with latest know how & innovations for low rise up to three storey construction to achieve affordability, sustainability, disaster resilience facilitating faster construction

When, Where & How ?

When ?

Day 1 (27th March 2020)

- Inauguration by Hon'ble PM
- Technical Sessions
- Exchange of Knowledge and Business
- Training and Capacity Building Sessions
- Master Classes

Day 2 (28th March 2020)

- Technical Sessions

Day 3 (29th March 2020)

- Exhibition for Public

Where?

- Vigyan Bhawan, New Delhi

How ?

- Issue based Deliberations/ Technical Sessions
- Exhibition: Audio: visual gallery, digital interfaces, PMAY (U) display
- Advocacy, wider outreach and confidence building
- Showcasing Prototype Model houses
- Preliminary screening
- Evaluation and Shortlisting
- Region wise grouping
- Compendium/ Manual
- Regional Training

Who ?



New Urban India: Promoting Technology & Innovations in Housing



COMPONENT 1

National Expo & Conference

Online Registration

Exhibition

- Of Innovative and Sustainable Construction Technologies, Materials and Components
- For Low & Mid-Rise Structures for Affordable Housing Networking Sessions
- Promotion, Sales & marketing Audio-visual Demonstration
- Exchange of Knowledge & Business Training & Capacity Building Seminars/ Panel Discussions.



COMPONENT 2

Screening & Shortlisting

Presentation to the Technical Evaluation Committee

Screening

Detail Technical Evaluation

Shortlisting

- Appropriate for different geoclimatic regions
- Cost-effective, Energy Efficient, Environment-Friendly, Disaster Resilient
- Sustainable with specific focus on use of locally available skills and resources

Region Wise Grouping

Shortlisted Technologies and Materials

4C- Strategy

COLLECT

Nationwide call to invite applicants, collect details of their previous work learnings, financial details and replication models.

COLLATE

Assessment of application on parameters of technical viability, suitability, cost effectiveness & other factors.

CATEGORISE

Grouping of applications as per their region/context specific for use by States/UTs stakeholders and beneficiaries.

CONNECT

Showcasing and disseminating to all relevant stakeholders for further learning and adoption.

Expected Outcomes

**Readily
Available
Empanelled
Technologies/
Materials**

**Compendium of
Technologies
Circulated to all
States/ UTs**

**States to be
Facilitated for
Adoption**

(Inclusion in circulars,
specifications, SORs,
tender documents)

**Training &
Capacity Building**

Regional Training on use
of such Shortlisted
Innovative Technologies
& Materials

**Supporting to
Post-prototype
Technologies
through ASHA-
India**

**Adopting the
Shortlisted
Technologies for
Demonstration
Housing Projects**

**Felicitation of
shortlisted
Technologies in
CTI-2021: 2nd
Biennial
Expo-cum-
Conference**



Thank You