

NEW URBAN INDIA

Indian Housing Technology Mela Promoting Technology & Innovation

Expo-cum-Conference

Indira Gandhi Pratishthan, Lucknow, Uttar Pradesh
5th-7th October 2021





Indian Housing Technology Mela:

Promoting Local Materials,
Skills & Construction
Techniques & Processes

Philosophy

PMAY(Urban):

Housing for All (1.12 Cr.) by 2022

Technology Sub-Mission under PMAY(U):

adoption of modern, innovative and green technologies and building materials, for faster and quality construction of houses

GHTC-India: Light House Projects

To identify and mainstream globally available proven technologies in Indian context

New Urban India:

Transforming Urban Landscape

Make In India

AatmaNirbhar Bharat

Be Vocal for Local

Promoting Local Materials, Skills & Construction Techniques & Processes



Why ?

PMAY(U): BLC

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

Requirement of BLC houses are different

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

Innovations are happening in the country

- Innovations/research in construction technologies, processes & building materials/components for small/mid rise houses are being taken up which requires upscaling

Need of advocacy and outreach

- Existing sustainable technologies/materials requires wider advocacy and better outreach

Vocal for Local technologies, materials

- **New Urban India: Promoting Technology & Innovations in Housing, Expo-cum-Conference** for Promoting local materials, skills & construction techniques & innovations for low rise housing up to three storey construction

When & Where?

WHEN ?

05 to 07 October
2021

WHERE ?

Indira Gandhi
Pratishthan, Lucknow,
Uttar Pradesh

How??

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.

NUI: Components



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

Who ?

**Innovators,
Start-ups,
Entrepreneurs**

**Innovative
materials/
component
Providers**

**Innovative/
Indigenous
Technology
Providers**

Professionals

**Civil Society
Organizations
dealing with
the subject**

**Innovative Tools
and equipment
Providers**

**Contractors/
Developers**

**Public/
Private
Agencies**

Institutions

**Public/
Beneficiary**

Group of Women Engineers, Beneficiaries, Start-ups, Artisans,
Skilled Craftsman, States/UTs/ULBs, Developers, Organisations



Expected Outcomes

Local to National:
Platform/Exposure
to such
technologies which
are exiting at local
level

**Inclusion in
SORs, circulars,
specifications,
tender
documents:** States
to be Facilitated for
Adoption

**Realizing the
Vision of
PMAY – Urban &
Rural**

**Readily Available
Empanelled
Technologies/
Materials in the
form of
Compendium**

**School of
Indigenous
Technologies for
cross learning &
knowledge
sharing**

**Training &
Capacity Building**
Regional Training on use
of such Shortlisted
Innovative Technologies
& Materials

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

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



Thank You