



RACHNA
RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Two-Day Awareness Programme on

'Innovative Construction Technologies & Thermal Comfort for Affordable Housing'

Location: Lucknow | Date : 21st & 22nd April 2022 | Time : 10:00 AM to 5:30 PM

ABOUT THE AWARENESS WORKSHOP:

The Ministry of Housing & Urban Affairs (MoHUA) in partnership with GIZ and Building Material and Technology promotion Council (BMTPC) is hosting series of trainings/workshops on Innovative Construction Technologies & Thermal Comfort for Affordable Housing named RACHNA (Resilient, Affordable and Comfortable Housing through National Action). The prime focus of this awareness workshop is to make participants gain knowledge on thermal comfort and its necessity in the affordable housing sector. The workshop covers the thermal comfort basics, material influences, low-cost solutions & codes that are available in India to create Climate-Smart Buildings. The participants will also get opportunity to explore more through unraveling a small design problem. The outcome of the workshop would be to make the stakeholders understand the need for thermal comfort & urge them to use their learnings in future assignments.

Venue:

Smart-Class Room
Government College of Architecture
FoAP, AKTU, Lucknow

For Further Details, Please drop an email to
Mr. Amrish Chaturvedi; lucknow.gizcsbcell@gmail.com

TARGET STAKEHOLDERS



Senior Govt.
Officials &
Policy makers



Built-environment
professionals &
Govt. Departments



Building Sector
Stakeholders



Technograhis

Innovative Construction Technologies & Thermal Comfort for Affordable Housing

Location: Lucknow | Date : 21st April 2022 , Thursday | Time : 10:00 AM to 5:30 PM

AGENDA – Day 1

DURATION	TOPIC	SPEAKER
10:00 - 10:30	Registration	
10:30 - 10:45	Welcome Address	Prof. Vandana Sehgal Dean, GCA, FoAP, AKTU, Lucknow
	Introduction a) Keynote Address b) Introducing GIZ and Climate Smart Buildings Cell (CSB)	Mr. Munish Nassa Senior Consultant – BMTPC, Climate Smart Buildings (CSB) Cell
10:45 - 11:00	CSB Cell Activities a) New age innovative technologies along with the 6 LHP construction technologies focusing on – efficiency in construction, mainstreaming & replication of technologies, and sustainable cum thermal comfort aspects. b) DHPS & AHRCs c) Integration of Thermal comfort standards into Building Byelaws	Climate Smart Buildings (CSB) Cell
11:00 - 11:15	TEA BREAK	
11:15 - 12:00	Session 1: a) Introduction to Affordable Housing b) Challenges & future Concerns c) Need for thermal comfort in affordable housing d) Thermal Comfort i. Indices ii. Thermal comfort in Affordable Housing iii. Passive architectural strategies	Mr. Saif Uddin M.Tech (Energy), IGBC AP, GRIHA CP, Energy Policy Expert
12:00 - 13:00	Session 1: (Contd) Thermal Comfort a) Thermal Comfort standards i. IMAC ii. ASHRAE b) Effect of building materials on thermal comfort c) Case studies and Best Practices	Mr. Saif Uddin M.Tech (Energy), IGBC AP, GRIHA CP, Energy Policy Expert
13:00 - 14:00	LUNCH BREAK	
14:00 - 15:00	Session 2: Eco Niwas Samhita (2018) Part 1	Mr. Saif Uddin M.Tech (Energy), IGBC AP, GRIHA CP, Energy Policy Expert
15:00 - 16:00	Session 2:(Contd) Eco Niwas Samhita (2021) Part 2	Mr. Saif Uddin M.Tech (Energy), IGBC AP, GRIHA CP, Energy Policy Expert
16:00 - 16:15	HIGH TEA & NETWORKING	
16:15 - 17:15	Session 2:(Contd) a) BEE Star labeling for Residential Buildings b) ENS Compliance tool c) Recommendation for designing of an Affordable Housing project (for thermal comfort); Case studies (LHP/ARHC/DHP)	Mr. Saif Uddin M.Tech (Energy), IGBC AP, GRIHA CP, Energy Policy Expert
17:15 - 17:30	Q&A	Climate Smart Buildings (CSB) Cell

Innovative Construction Technologies & Thermal Comfort for Affordable Housing

Location: Lucknow | Date : 22nd April 2022 , Friday | Time : 10:30 AM to 5:30 PM

AGENDA – Day 2

DURATION	TOPIC	SPEAKER
10:30 - 11:00	Session 3: Affordable Housing Design Challenge a) Design Problem Introduction b) Grouping	Mr. Saif Uddin M.Tech (Energy), IGBC AP, GRIHA CP, Energy Policy Expert
11:00 - 11:15	TEA BREAK	
11:15 - 13:00	Session 3: (Contd) Design Challenge Exercise	Mr. Saif Uddin M.Tech (Energy), IGBC AP, GRIHA CP, Energy Policy Expert
13:00 - 14:00	LUNCH BREAK	
14:00 - 16:00	Session 3:(Contd) Design Challenge Exercise	Mr. Saif Uddin M.Tech (Energy), IGBC AP, GRIHA CP, Energy Policy Expert
16:00 - 16:15	HIGH TEA & NETWORKING	
16:15 - 17.15	Session 4: Design Challenge Judgement & Winner Announcement	Climate Smart Buildings (CSB) Cell
17:15 - 17:30	Vote of Thanks	Climate Smart Buildings (CSB) Cell

-----END of AWARENESS PROGRAMME-----