

RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training #66: Two-Day Training Programme on

'Innovative Construction Technologies & Thermal Comfort for Affordable Housing'

Location: Lucknow | Date : 28th & 29th July 2022 | Time : 11:00 AM to 5:00 PM

ABOUT THE TRAINING PROGRAMME:

The Ministry of Housing & Urban Affairs (MoHUA) in partnership with GIZ and the Building Material and Technology Promotion Council (BMTPC) is hosting a series of trainings/workshops on new age 'Innovative Construction Technologies & Thermal Comfort for Affordable Housing' named RACHNA (Resilient, Affordable and Comfortable Housing through National Action). The prime focus of this training Programme is to make participants aware of the Climate-Smart Buildings programme and gain knowledge on thermal comfort and its necessity in the affordable housing sector. The programme will cover the thermal comfort basics, material influences, low-cost solutions & codes that are available in India to create Climate-Smart Buildings. The participants will also learn about six Light-House Project's construction technologies and aspects of mainstreaming and replication of these technologies in their upcoming or future projects.

Venue:

**Conference Hall, 11th Floor
Naveen Pradhikaran Bhawan
Lucknow Development Authority
Lucknow**

*For Further Details, Please drop an email at :
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: 28th July 2022, Thursday | Time: 10:30 AM to 5:00 PM

AGENDA - Day 1

TIME	SESSION	TOPIC	SPEAKER
10:30 - 11:00		Registration & Lamp Lighting	CSB Cell & Dignitaries
11:00 - 11:30	Introductory Session	Welcome Address	Shri Ram Kumar Project Officer, UPNEDA
		Keynote Address	Shri Awdhesh Tiwari Chief Engineer, LDA
11:30 - 11:45		Introducing GIZ and Climate Smart Buildings Cell (CSB)	CSB Cell, North Cluster
		Introduction to MoHUA's Housing for All Programme, GHTC India Challenge and Light House Projects	
11:45 - 12:00	HIGH TEA and NETWORKING		
12:00 - 13:00	Session-1	<p>Thermal Comfort:</p> <p>a) Indices</p> <p>b) Thermal comfort in Affordable Housing</p> <p>c) Passive strategies & Building Physics</p> <p>d) Case studies</p> <p>e) Live Exercise</p> <p>i. Passive Architectural Design Strategies</p> <p>ii. Building Construction Material No Cost Solutions</p>	Mr. Saif Uddin (Expert Trainer)
13:00 - 14:00	LUNCH BREAK		
14:00 - 15:00	Session - 2	<p>Thermal Comfort models:</p> <p>a) Thermal Comfort standards</p> <p>b) i. IMAC</p> <p>c) ii. ASHRAE</p> <p>d) b) Effect of materials on thermal comfort</p>	Mr. Saif Uddin (Expert Trainer)
15:00 - 16:00	Session - 3	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.	Shri Munish Nassa BMTPC
16:00 - 16:15	HIGH TEA and NETWORKING		
16:15 - 16:45	Session - 4	<p>Green Buildings</p> <p>a) Brief</p> <p>b) Green Measures</p> <p>c) Indigenous and low-embodied materials</p> <p>d) Best Practices</p>	Mr. Saif Uddin (Expert Trainer)
16:45 - 17:00	Q & A		

'Innovative Construction Technologies & Thermal Comfort for Affordable Housing'

Location: Lucknow | Date: 29th July 2022, Friday | Time: 11:00 AM to 5:00 PM

AGENDA - Day 2

TIME	SESSION	TOPIC	SPEAKER
11:00 - 11:45	Session - 5	<i>Eco Niwas Samhita 2021 with group exercise</i>	Mr. Shobhit Kumar (Expert Trainer)
11:45 - 12:00	HIGH TEA and NETWORKING		
12:00 - 13:00	Session - 6	<ul style="list-style-type: none"> a) <i>ENS 2021 Compliance</i> b) <i>Live demo on Tool</i> c) <i>Thermal comfort analysis</i> d) <i>Recommendation to current and future Affordable Housing projects.</i> 	Mr. Shobhit Kumar (Expert Trainer)
13:00 - 14:00	LUNCH BREAK		
14:00 - 15:30	Session - 7	<i>ENS 2018 Brief With technical exercise (Calculating RETV etc.)</i>	Mr. Shobhit Kumar (Expert Trainer)
15:30 - 15:45	HIGH TEA and NETWORKING		
15:45 - 16:30	Session - 8	<ul style="list-style-type: none"> a) <i>Low Energy Comfort Systems and BEE Star Labelling</i> b) <i>Indian & International Best Practices.</i> 	Mr. Shobhit Kumar (Expert Trainer)
16:30 - 16:45	Concluding Session	<i>Question & Answer Session</i>	Expert Trainers
16:45 - 17:00		<i>Vote of Thanks</i>	CSB Cell, North Cluster