

# RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #60: Two-Day Training Programme on

**'Innovative Construction Technologies & Thermal Comfort for Affordable Housing'**

**Location: Lucknow | Date : 22<sup>nd</sup> & 23<sup>rd</sup> July 2022 | Time : 10:00 AM to 5:30 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:

**Centre For Excellence & Training  
Sector 14, Indira Nagar, Lucknow  
Uttar Pradesh - 226016**

*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: 22<sup>nd</sup> July 2022, Friday | Time: 10:00 AM to 5:30 PM

### AGENDA - Day 1

TIME	SESSION	TOPIC	SPEAKER
9:30 - 10:00		Registration & Lamp Lighting Ceremony	
10:00 - 10:30	Inaugural Session	Welcome Address	Shri Shailesh Agrawal ED - BMTPC
		Keynote Address	Shri Shyam Charan Rai Chief Engineer - UPHDB
		Introducing GIZ and Climate Smart Buildings Cell (CSB) Introduction to MoHUA's Housing for All Programme, GHTC India Challenge, and Light House Projects	Shri S Vikash Ranjan Project Head - GIZ
10:30 - 10:45			
10:45 - 11:00	HIGH TEA and NETWORKING		
11:00 - 12:00	Session - 1	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 Shailesh Agrawal ED - BMTPC
12:00 - 13:30	Session-2	Thermal Comfort: a) Indices b) Thermal comfort in Affordable Housing c) Passive strategies & Building Physics d) Case studies e) Live Exercise i. Passive Architectural Design Strategies ii. Building Construction Material No Cost Solutions	Mr. Abu Talha Farooqui (Expert Trainer)
13:30 - 14:30	LUNCH BREAK		
14:30 - 15:45	Session - 3	Thermal Comfort models: a) Thermal Comfort standards b) i. IMAC c) ii. ASHRAE d) b) Effect of materials on thermal comfort	Mr. Abu Talha Farooqui (Expert Trainer)
15:45 - 17:00	Session - 4	Green Buildings a) Brief b) Green Measures c) Indigenous and low-embodied materials d) Best Practices	Mr. Abu Talha Farooqui (Expert Trainer)
17:00 - 17:15	HIGH TEA and NETWORKING		
17:15 - 17:30	Question & Answer Session		

## 'Innovative Construction Technologies & Thermal Comfort for Affordable Housing'

Location: Lucknow | Date: 23<sup>rd</sup> July 2022, Saturday | Time: 10:00 AM to 5:30 PM

### AGENDA - Day 2

TIME	SESSION	TOPIC	SPEAKER
10:00 - 11:30	Session - 5	<i>Eco Niwas Samhita 2021 with group exercise</i>	<b>Mr. Abu Talha Farooqui (Expert Trainer)</b>
11:30 - 11:45	<b>HIGH TEA and NETWORKING</b>		
11:45 - 13:00	Session - 6	<ul style="list-style-type: none"> <li>a) <i>ENS 2021 Compliance</i></li> <li>b) <i>Live demo on Tool</i></li> <li>c) <i>Thermal comfort analysis</i></li> <li>d) <i>Recommendation to current and future Affordable Housing projects.</i></li> </ul>	<b>Mr. Abu Talha Farooqui (Expert Trainer)</b>
13:00 - 14:00	<b>LUNCH BREAK</b>		
14:00 - 15:30	Session - 7	<i>ENS 2018 Brief With technical exercise (Calculating RETV etc.)</i>	<b>Mr. Abu Talha Farooqui (Expert Trainer)</b>
15:30 - 15:45	<b>HIGH TEA and NETWORKING</b>		
15:45 - 17:00	Session - 8	<ul style="list-style-type: none"> <li>a) <i>Low Energy Comfort Systems and BEE Star Labelling</i></li> <li>b) <i>Indian &amp; International Best Practices.</i></li> </ul>	<b>Mr. Abu Talha Farooqui (Expert Trainer)</b>
17:00 - 17:15	<b>Concluding Session</b>	<i>Question &amp; Answer / Feedback Session</i>	
17:15 - 17:30		<i>Vote of Thanks</i>	<b>Shri S Vikash Ranjan Project Head - GIZ</b>