

# RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #72: One-Day Training Programme on

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

**Location: Shimla | Date : 4<sup>th</sup> August 2022, Thursday| Time : 10:00 AM - 04:30 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 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 gain knowledge on thermal comfort and its necessity in the affordable housing sector. The programme covers material influences, low-cost solutions & codes that are available in India to create Climate-Smart Buildings. The participants will also get familiar with a low-energy comfort system and global best practices. The outcome of the programme would be to develop the capacities of participating policymakers and implementers for mainstreaming thermal comfort in housing policies and incorporating thermal comfort provisions in Byelaws.

### Venue:

**Utsav Hall,  
Hotel Holiday Home  
Circular Road, Shimla - 171001**

*For further details, please drop an email to  
[lucknow.gizcsbcell@gmail.com](mailto:lucknow.gizcsbcell@gmail.com)*

### TARGET STAKEHOLDERS



**Senior Govt.  
Officials &  
Policymakers**



**Built-environment  
professionals &  
Govt. Departments**



**Building  
Sector  
Stakeholders**

## Innovative Construction Technologies & Thermal Comfort for Affordable Housing

Location: Shimla | Date : 4<sup>th</sup> August 2022, Thursday | Time : 10:00 AM – 4:30 PM

### AGENDA

DURATION	TOPIC	SPEAKER
10:00 – 10:30	Registration	
10:30 – 10:40	Lamp Lighting	By Dignitaries
10:40 – 10:50	Welcome Address	Climate Smart Buildings (CSB) Cell
10:50 – 11:00	Felicitation of Dignitaries	Climate Smart Buildings (CSB) Cell
11:00 – 11:15	Keynote Address	Shri Rajiv Sharma Chief Architect, PWD
11:15 – 11:30	<b>HIGH TEA &amp; NETWORKING</b>	
11:30 – 12:00	New age innovative technologies along with the 6 LHP construction technologies focusing on - efficiency in construction, mainstreaming & replication of technologies.	Mr. Amrish Chaturvedi Climate Smart Buildings (CSB) Cell
12:00 – 12:30	Introduction: Thermal Comfort for Affordable Housing	Mr. Amrish Chaturvedi Climate Smart Buildings (CSB) Cell
12:30 – 13:15	<b>Session 1: Thermal Comfort</b> a) Need and Impact b) Thermal comfort in Affordable Housing c) Passive strategies & Building Physics d) Case Studies	Mr. Saif Uddin (Expert Trainer)
13:15 – 14:15	<b>LUNCH BREAK</b>	
14:15 – 14:45	<b>Session 2: Thermal Comfort Models</b> a) Thermal comfort standards 1. IMAC 2. ASHRAE b) Effect of materials on thermal comfort	Mr. Saif Uddin (Expert Trainer)
14:45 – 15:30	<b>Session 3: Eco Niwas Samhita</b> EcoNiwas Samhita Part 1 & 2, Overview and its role in Thermal Comfort and Energy Efficiency in Affordable Housing	Mr. Saif Uddin (Expert Trainer)
15:30 – 16:00	<b>Session 4:</b> a) Low Energy Comfort Systems and BEE Star Labelling b) Indian & International Best Practices	Mr. Saif Uddin (Expert Trainer)
16:00 – 16:15	<b>HIGH TEA &amp; NETWORKING</b>	
16:15 – 16:30	Vote of thanks	Mr. Ashwini Kumar Consultant Architect at SDA, Directorate of Energy Government of HP