



# Trainings on Innovative Construction Technologies & Thermal Comfort for Affordable Housing

**Climate Smart Buildings – Training – One day**

**Date: 31<sup>st</sup> May 2022, Tue | Time: 10:00 am to 5:30 pm**

**Venue- Lemon Tree Premier, Bhubaneswar**

## ABOUT THE TRAINING

Ministry of Housing & Urban Affairs in partnership with GIZ is hosting series of trainings on Innovative Construction Technologies & Thermal Comfort for Affordable Housing named RACHNA (Resilient, Affordable and Comfortable Housing through National Action). The focus of this training is thermal comfort and its necessity in the affordable housing sector. The training covers the thermal comfort basics, material influences, low-cost solutions & codes that are available in India to create Climate-Smart Buildings. The outcome of the training would be to make the stakeholders in the affordable housing sector understand the need for thermal comfort & urge them to include no cost or low-cost strategies in upcoming projects.

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## Target Stakeholders



**Senior Govt. Officials  
& Policy makers**



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



**Building sector  
stakeholders**



**Technograhis**

'RACHNA for Officers' training program will familiarize participants with the concept of thermal comfort and its nuances. Moreover, it will equip the participants with necessary knowledge to identify and implement opportunities of providing desirable thermal comfort to occupants of affordable housing along with skills to develop and integrate thermal comfort policy at national/ state level. It will discuss design strategies, construction techniques, policy documents, building codes, international practices, and other aspects relevant to thermal comfort in affordable housing through a suite of case studies.

## Session plan is as follows:

<b>Thermal Comfort Training Module   (One-day)</b>		
<i>*all names of the presenters/faculty are placeholders</i>		
10h00 – 10h10	<b>Welcome address and Introduction to PMAY (U)</b>	MoHUA
10h10 – 10h15	<b>Introduction to Climate Smart Buildings Programme (IGEN – CSB) and overview of workshop</b>	GIZ
10h15 – 11h00	<b>Session 2 (Technical):</b> Importance of Thermal Comfort	Dr. Rajan Rawal
11h00 – 11h10	Questions and Answers	
11h10 – 11h20	<b>Health Break</b>	
11h20– 12h05	<b>Session 3 (Technical):</b> Affordable housing Passive Design Strategies	Dr. Rajan Rawal
12h05 – 12h15	Questions and Answers	
12h15 – 13h15	<b>Session 4 (Technical):</b> Building Materials and Methods of Construction for Affordable Housing	Dr. Rajan Rawal
13h15 – 13h30	Questions and Answers	
13h30 – 14h30	<b>Lunch Break</b>	
14h30 – 15h15	<b>Session 5 (Technical):</b> Building Codes, Affordable Housing and Thermal Comfort	Dr. Rajan Rawal
15h15 – 15h30	Questions and Answers	
15h30 – 15h45	<b>Health Break</b>	
15h45 – 16h45	<b>Session 6 (Technical):</b> Application of Thermal Comfort in Affordable Housing – A Suite of Case studies	Dr. Rajan Rawal
16h45 – 16h55	Questions and Answers	
16h55 – 17h25	<b>Session 7:</b> Overview of Innovative construction technologies implemented in Light House Projects (LHPs)	BMTPC
17h25 – 17h30	<b>Session 8:</b> Feedback and Concluding Remarks	Dr. Rajan Rawal