



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

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

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

**Venue- Hotel Novotel, Ahmedabad**

## 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:

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