

# RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training # 32: One-Day Training Programme on 'INNOVATIVE CONSTRUCTION TECHNOLOGIES & THERMAL COMFORT FOR AFFORDABLE HOUSING'

Location: Pune, MH | Date: 20<sup>th</sup> January'2023 | Time: 10:00 AM to 5:30 PM

### ABOUT THE TRAINING:

RACHNA - 'Affordable and Comfortable Housing Through National Action', is an initiative of Ministry of Housing Urban Affairs (MoHUA) in partnership with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH and Building Material and Technology promotion Council (BMTPC).

75 trainings workshops on Innovative Construction Technologies Thermal Comfort for Affordable Housing were conducted under this program between April and August 2022. After the success of RACHNA series, now the next series of trainings 'RACHNA 2.0' from Dec 2022 till Mar 2023 is planned across India. The main focus of the training is thermal comfort and its necessity in the affordable housing sector to a wider set of audience and stakeholders. This training program covers Handbook on Innovative Construction Technologies & Thermal comfort in Affordable housing, Thermal Comfort analysis of LHP and Demonstration Projects, Life cycle cost of LHPs, low-cost solutions, policy documents, building codes, international practices, and other aspects relevant to thermal comfort in affordable housing.

**JOIN US AT:**  
**Hotel Kala Sagar, Pimpri**  
**Pune, Maharashtra**

### TARGET STAKEHOLDERS



Senior Govt  
Officials &  
Policy Makers



Govt. Officials  
(Sr. Technical  
Resources)



Building Sector  
Stake Holders



Technograhis

For Further Details, Please drop an email to  
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# 'Innovative Construction Technologies & Thermal Comfort For Affordable Housing'

Location: Pune, MH | Date: 20<sup>th</sup> Jaunaury'2023 | Time: 10:00 AM to 5:30 PM

Date: 20 January 2023

TIME	TOPIC	SPEAKER
09:50 AM - 10:00 AM	Registration	Participants
10:00 AM - 10:15 AM	Welcome Address	CSB Cell Member
	Key Note Address	By Dignitaries
10:15 AM - 10:45 AM	Introduction to MoHUA's Housing for All Programme, GHTC India Introduction to GIZ and Climate-Smart Buildings, Aim & Concept LHP, DHP & ARHC Concepts	CSB Cell Member
10:45 AM - 11:00 AM	High Tea & Networking	
11:00 AM - 11:30 AM	<b>Session – 01</b> Thermal Comfort & Affordable Housing Thermal Comfort Importance & Factors Affecting Thermal Comfort Cooling Demand Growth & Mitigations Cooling Requirement Scenario, Building Envelop Impact & Building Physics & Affect on Thermal Comfort Thermal comfort Fundamentals Thermal Comfort Indices Passive Design Strategies	Expert Trainer Shri Akshay Pahade
11:30 AM - 12:45 PM	<b>Session – 02</b> Innovative Building Material Effect of Material on Thermal Comfort Characteristics of Different Materials New method of construction for Affordable housing Case Studies for the application of thermal comfort in affordable housing Demo Projects Analysis Low energy cooling Technologies & comfort	Expert Trainer Shri Akshay Pahade
12:45 PM - 01:00 PM	Question & Answer Session	
01:00 PM - 02:00 PM	Lunch Break	
02:00 PM - 03:00 PM	<b>Session - 03</b> Building Physics & Fundamental of Thermal Comfort Thermal Comfort Standards - ASHRAE, IMAC, ENS, NBC ENC Code Provision Eco Niwas Samhita 2018, 2021 Technical Exercise (RETV Analysis with Example - LHP, DEMO Project)	Expert Trainer Shri Jitendra Vyas
03:00 PM - 03:45 PM	<b>Session - 04</b> Passive Strategies & Building Materials ENS 2018 & 2021 Brief ENS Compliance Live Demo on Tool, Thermal Comfort Analysis Recommendations to current & future Affordable Housing Projects	Expert Trainer Shri Jitendra Vyas
03:45 PM - 04:00 PM	Question & Answer Session	
04:00 PM - 04:15 PM	High Tea & Networking	
04:15 PM - 05:00 PM	<b>Session - 05</b> Building Codes Green Building Concepts BEE Star Labeling, Indian & International Best Practices	Expert Trainer Shri Jitendra Vyas
05:00 PM - 05:15 PM	Question & Answer Session	
05:15 PM to 05:30 PM	Vote of Thanks	