



GLOBAL  
HOUSING  
TECHNOLOGY  
CHALLENGE INDIA

# RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #10: Two Days Awareness Programme on “THERMAL COMFORT FOR AFFORDABLE HOUSING”

Location: SOA,IPS Academy, Indore | Date: 17<sup>th</sup> & 18<sup>th</sup> MAY 2022 | Time: 10:30 AM to 5:00 PM

### ABOUT THE TRAINING:

The Ministry of Housing & Urban Affairs (MoHUA) in partnership with GIZ and Building Material and Technology promotion Council (BMTPC) is hosting 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 is to make **Architectural Students aware about the Thermal Comfort, Measuring Indices, Standards & Codes, Tools & Compliances** are being applicable in **Green / Passive Architecture**. This also focus on passive design strategies. The outcome of the training is to make the students understand about the innovative technologies, tools & compliances which may further utilize in study & practices.

### TARGET AUDIENCE

*Awareness Programme Tailored For  
Architectural Students And  
Faculties*

### JOIN US AT:

School of Architecture, IPS Academy  
AB Road, Rajendra Nagar, Indore,  
Madhya Pradesh 452012

### FOR FURTHER DETAILS, PLEASE CONTACT

CSB Cell, Central Cluster  
Light House Project,  
Kanadia ext., Sanyogitaganj Mandal,  
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## Awareness Programme On Thermal Comfort In Affordable Housing

Location: SOA, IPS Academy, Indore | Date: 17<sup>th</sup>-18<sup>th</sup> MAY 2022 | Time: 10:30 AM to 5:00 PM

### Day 1

TIME	TOPIC	SPEAKER
10:30AM – 10:45AM	Welcome Address	CSB Cell - Central Cluster
	Introduction to MoHUA's Housing for All Programme, GIZ, and the Bilateral Programme – Climate-Smart Buildings.	CSB Cell - Central Cluster
10:45AM – 11:00AM	CSB Cell Activities a) 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. b) DHPS & AHRCs c) Integration of Thermal comfort standards into Building Byelaws	CSB Cell member
11:00AM – 11:05AM	Question and answer session	
11:05AM – 11:20AM	<b>Tea Break</b>	
11:20AM – 12:00PM	Session 1: a) Introduction to Affordable Housing b) Challenges & future Concerns c) Need for thermal comfort in affordable housing d) Thermal Comfort i. Indices ii. Thermal comfort in Affordable Housing iii. Passive architectural strategies	CSB Cell member / Trainer
	Session 1: (Contd) Thermal Comfort a) Thermal Comfort standards i. IMAC ii. ASHRAE b) Effect of building materials on thermal comfort c) Case studies and Best Practices	
12:00PM – 12:45PM	Question and answer session	
12:45PM – 01:00PM	<b>Lunch Break</b>	
01:00PM – 02:00PM	Session 2: Eco Niwas Samhita (2018) – Part 1	CSB Cell member /Trainer
02:00PM – 02:45PM	Session 2: (Contd) Eco Niwas Samhita (2021) – Part 2	CSB Cell member /Trainer
02:45PM – 03:30PM	Question and answer session	
03:30PM – 03:35PM	<b>High Tea &amp; Networking</b>	
03:35PM – 03:50PM	Session 2: (Contd) a) BEE Star labelling for Residential Buildings b) ENS Compliance tool c) Recommendation to designing of an Affordable Housing project (for thermal comfort); Case studies (LHP/ARHC/DHP)	CSB Cell member /Trainer
03:50PM – 04:50PM	Question and answer session	

### Day 2

10:30AM – 11:00AM	Session 3: Affordable Housing Design Challenge a) Design Problem Introduction b) Grouping	CSB Cell members
	Session 3: (Contd) Design Challenge Exercise	
11:00AM – 01:00PM	Question and answer session	
01:00PM – 02:00PM	<b>Lunch Break</b>	
02:00PM – 04:00PM	Session 3: (Contd) Design Challenge Exercise	
04:00PM – 04:15PM	<b>Tea Break</b>	
04.15PM – 04:45PM	Session 4: Design Challenge Judgment and Certificate Distribution	CSB Cell - Central Cluster
04:45PM – 05:00PM	<b>Vote of Thanks</b>	
		CSB Cell - Central Cluster