

# RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #32: Two-Day Training Programme on

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

Location: Red Velvet Hotel Patna, Bihar | Date: 15<sup>th</sup> -16<sup>th</sup> June 2022 | Time: 09:30 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 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.

#### JOIN US AT:

THE RED VELVET HOTEL, Patna, Bihar

[Click here to register](#)

For Further Details, Please drop an email to  
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#### TARGET STAKEHOLDERS



Training Program tailored for: Government Department, Building Sector Stakeholders, Construction Professionals, and Universities. The participants will be a mix of architects, engineers, project architects' developers, builders, government officials from PWD, junior engineers and architects from ULBs, TCPO and UDDs who are technical resources in their organization.

## Innovative Construction Technologies & Thermal Comfort for Affordable Housing

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### AGENDA

DURATION	TOPIC	SPEAKER
09:30-10:00	Registration	CSB Cell
10:00-10:15	Introduction & Agenda Briefing	CSB Cell
10:15-10:25	Welcome Address	Shri Abhishek Sharma, Co-Chair – IIA Bihar Chapter
10:25-10:35	Keynote Address	Shri Sudip Kumar, CREDAI Core Committee member, MD - Saakar Constructions
10:35-10:45	Theme Address	Shri Umesh Dhule, Team Lead – SLTC, PMAY Urban, Bihar
10:45-11:00	Introduction to MoHUA's 'Housing for All' Programme, GIZ, and the Bilateral Programme – Climate Smart Buildings	Shri. Chawan Vijay Kumar, GIZ
11:00-11:15	HIGH-TEA & NETWORKING	
11:15-13:00	Session 1: Thermal Comfort a)Indices b)Thermal comfort in Affordable Housing c)Passive strategies & Building Physics d)Case studies e)Live exercise <i>i. Passive Architectural Design Strategies</i> <i>ii. Building Construction material</i> <i>iii. No cost solutions</i>	Shri Jitendra Vyas ECBC Master Trainer
13:00-14:00	LUNCH BREAK	
14:00-15:00	Session 2: Thermal Comfort a)Thermal Comfort standards b)IMAC c)ASHRAE d)Effect of materials on thermal comfort	Shri Jitendra Vyas ECBC Master Trainer
15:30-16:00	Session 3: 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	Ar Glory Srivastava, CSB Cell
16:00-16:45	Session 4: Green Buildings a)Brief b)Green Measures c)Indigenous and low-embodied materials d)Best Practices	Ar Glory Srivastava, CSB Cell
16:45 – 17:00	Q & A	CSB Cell

**CLOSE of Day -1**

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### Day -2 AGENDA

DURATION	TOPIC	SPEAKER
10:00-11:30	Session 5: Eco-Niwas Samhita 2021 With group exercise	<i>Shri. Saibal Saha</i> ECBC Master Trainer
11:30-11:45	HIGH-TEA & NETWORKING	
11:45-13:00	Session 6: a)ENS 2021 Compliance b)Live demo on Tool c)Thermal comfort analysis d)Recommendation to current and future Affordable Housing projects	<i>Shri. Jitendra Vyas</i> ECBC Master Trainer
13:00-14:00	LUNCH BREAK	
14:00-15:30	Session 7: ENS 2018 Brief With technical exercise (Calculating RETV etc.)	<i>Shri. Saibal Saha</i> ECBC Master Trainer
15:30-16:15	Session 8: a)Low Energy Comfort Systems and BEE Star Labelling b)Indian & International Best Practices	<i>Shri. Jitendra Vyas</i> ECBC Master Trainer
16:15-16:30	Q&A and Feedback	CSB Cell
16:15-16:30	Vote of Thanks	GIZ/CSB Cell
16:30-17:00	Hi-Tea & Networking	

**CLOSE**