

# RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #54: 2-Day Training Programme on

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

Location: Agartala | Date : 14<sup>th</sup> – 15<sup>th</sup> July 2022 , Thursday & Friday | Time : 09:30 AM to 5:30 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:

State Institute of Public Administration  
& Rural Development (SIPARD)  
Agartala, Tripura

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



Senior Govt.  
Officials &  
Policy makers



Built-environment  
professionals &  
Govt. Departments



Building Sector  
Stakeholders



Technograhis

# Innovative Construction Technologies & Thermal Comfort for Affordable Housing

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## AGENDA – DAY 1

DURATION	TOPIC	SPEAKER
9:30-10:00	Registration	
10:00-10:15	Welcome Address	GIZ Team
10:15-10:45	Introduction to MoHUA's Housing for All Programme, GIZ, and the Bilateral Programme – Climate Smart Buildings (CSB)	<b>Shri Rahul Bose</b> Architect, CSB Cell East Cluster
10:45-11:00	<b>HIGH-TEA &amp; NETWORKING</b>	
11:00-13:00	Session 1: Thermal Comfort: a) Indices, b) Thermal comfort in Affordable Housing c) Passive strategies & Building Physics, d) Case studies, e) Live Exercise (passive architectural design strategies, building construction material & no cost solutions)	<b>Shri Saibal Saha</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
13:00-14:00	<b>LUNCH BREAK</b>	
14:00-15:00	Session 2: Thermal Comfort: a) Standards, b) IMAC, c) ASHRAE, d) Effects of materials on Thermal Comfort	<b>Shri Saibal Saha</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
15:00-16:00	Session 3: New age innovative technologies along with 6 LHP construction technologies	<b>Shri Rahul Bose</b> Architect, CSB Cell East Cluster
16:00-16:15	<b>HIGH-TEA &amp; NETWORKING</b>	
16:15-17:00	Session 4: Green Buildings: a) Brief, b) Green measures, c) Indigenous & low-embodied materials, d) Best practices	<b>Shri Saibal Saha</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
17:00-17:15	Q & A	Climate Smart Buildings (CSB) Cell East Cluster
17:15-17:30	Vote of Thanks	GIZ / Climate Smart Buildings (CSB) Cell

**CLOSE**

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### AGENDA – DAY 2

DURATION	TOPIC	SPEAKER
9:30-10:00	Registration	
10:00-11:30	Session 5: Eco Niwas Samhita 2021 with group exercise	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
11:30-11:45	<b>HIGH-TEA &amp; NETWORKING</b>	
11:45-13:00	Session 6: a) ENS 2021 Compliance, b) Live demo on Tool, c) Thermal Comfort Analysis, d) Recommendation to current & future Affordable Housing projects	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
13:00-14:00	<b>LUNCH BREAK</b>	
14:00-15:30	Session 7: ENS 2018 brief With technical exercise (Calculating RETV etc.)	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
15:30-15:45	<b>HIGH-TEA &amp; NETWORKING</b>	
15:45-16:30	Session 8: a) Low Energy Comfort Systems & BEE Star Labelling, b) Indian & International Best Practices	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
16:30-16:45	Q & A	Climate Smart Buildings (CSB) Cell East Cluster
16:45-17:00	Vote of Thanks	GIZ / Climate Smart Buildings (CSB) Cell

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