

# RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## TRAINING#13: Two-Day Awareness Programme for Architecture Students on

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

Location: Guwahati | Date : 19<sup>th</sup> -20<sup>th</sup> May 2022; Thursday & Friday | Time : 10:30 AM to 5:30 PM

#### ABOUT THE AWARENESS PROGRAMME:

The Ministry of Housing & Urban Affairs (MoHUA) in partnership with GIZ and Building Material and Technology Promotion Council (BMTPC) is hosting a 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 these initiatives is thermal comfort and its necessity in the affordable housing sector. The awareness programme 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 programme would be to make the architectural students 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:

Royal Global University,  
Opposite to Tirupati Balaji Temple,  
Guwahati, Assam

For Further Details, Please drop an email to  
Mr. Rajesh Debbarma  
[in\\_agartala\\_giz\\_csbcell@pwc.com](mailto:in_agartala_giz_csbcell@pwc.com)

#### TARGETED STAKEHOLDERS



Faculties



Students



Technograhis

# Innovative Construction Technologies & Thermal Comfort for Affordable Housing

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## AGENDA: Day 1

DURATION	TOPIC	SPEAKER
9:30-10:30	Registration	CSB East Cluster Cell
10:30-10:45	Welcome Address	<b>Shri Siddhartha Deb</b> Dean In-charge, Royal School of Architecture, Royal Global University, Guwahati
	Introduction GIZ, and the Bilateral Programme – Climate Smart Buildings (CSB)	GIZ Team
10:45-11:00	CSB Cell Activities: a) New age innovative technologies along with the 6 LHP construction technologies, b) DHPs & ARCHS, c) Integration of Thermal Comfort standards in building bye-laws	<b>Shri Rahul Bose</b> Specialist: Urban Planning & Architecture, CSB East Cluster Cell, Agartala
11:00-11:15	TEA BREAK	
11:15-12:00	Session 1: a) Introduction to Affordable Housing, b) Challenges & Future Concerns, c) Need for thermal comfort in affordable housing; Thermal Comfort: d) Indices, e) Thermal comfort in Affordable Housing f) Passive architectural strategies	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
12:00-1:00	Session 1: (Contd.) Thermal Comfort models: a) Thermal Comfort standards (IMAC & ASHRAE) b) Effect of materials on thermal comfort, c) Case Studies & Best Practices	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
13:00-14:00	LUNCH BREAK	
14:00-15:00	Session 2: Eco Niwas Samhita (2018) - Part 1	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
15:00-16:00	Session 2: (Contd.) Eco Niwas Samhita (2021) - Part 2	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
16:00-16:15	TEA BREAK	
16:15-17:15	Session 2: (Contd.) a) BEE Star Labelling, b) ENS Compliance Tool, c) Recommendation to design an Affordable Housing Project (thermal comfort) & Case Studies	<b>Smt. Ragini Goswami</b> ECBC Master Trainer certified by Bureau of Energy Efficiency
17:15-17:30	Q&A	CSB East Cluster Cell

CLOSE

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### AGENDA: Day 2

DURATION	TOPIC	SPEAKER
9:30-10:30	Registration	CSB East Cluster Cell
10:30-11:00	Session 3: Affordable Housing Design Challenge: a) Design Problem Introduction, b) Grouping	Smt. Ragini Goswami ECBC Master Trainer certified by Bureau of Energy Efficiency
11:00-1:00	Session 3: (Contd.) Design Challenge Exercise	CSB East Cluster Cell
13:00-14:00	LUNCH BREAK	
14:00-16:00	Session 3: (Contd.) Design Challenge Exercise	CSB East Cluster Cell
16:00-16:15	TEA BREAK	
16:15-17:15	Session 4: Design Challenge Judgement & Winner Announcement	CSB East Cluster Cell
17:15-17:30	Vote of Thanks	CSB East Cluster Cell

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