

RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training # 52: Two-Days Awareness Programme on

'Innovative Construction Technologies and Thermal Comfort in Affordable Housing'

Location: Hindu College of Design, Architecture & Planning, Sonipat | Date : 2nd & 3rd Mar 23 | Time : 09:50 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:

Hindu College of Design, Architecture & Planning,
Industrial Area, Sonipat - 131001

TARGET STAKEHOLDERS



Faculty



Students



Technograhis

For Further Details, Please drop an email to
Mr. Winamra Negi; in_Rajkot_giz_csbcell@pwc.com

'Innovative Construction Technologies and Thermal Comfort in Affordable Housing'

Location: Hindu College of Design, Architecture & Planning, Sonipat | Date : 2nd & 3rd Mar 23 | Time : 09:50 AM to 5:30 PM

AGENDA – DAY 1

TIME	TOPIC	SPEAKER
9:50-10:00	Registration	By Participants
10:00-10:15	Welcome Address	Ar. Deepshikha Jain Asst. Professor - Architecture
10:15-10:30	Keynote Address	Prof. Heeramani Thapliyal Principal - Hindu College of Design, Architecture & Planning, Sonipat
10:15-10:30	<ul style="list-style-type: none"> Introduction to MoHUA's Housing for All Programme, GHTC India Challenge Introducing GIZ and Climate Smart Buildings Cell (CSB) 	CSB Cell - GIZ
10:30-10:45	Tea Break	
10:45-11:30	<p>Session 1: Innovative Construction Technologies of Light House Projects, LHP Study and Observations</p> <ul style="list-style-type: none"> a) New age innovative technologies along with LHPs construction technologies focusing on - efficiency in construction, mainstreaming & replication of technologies, and sustainable cum thermal comfort aspects. b) Thermal Comfort Analysis and Recommendations on LHPs and Demo Projects. c) Concept of Life cycle cost and its impact on carbon emission. d) Q&A on New & Innovative technologies and Thermal Comfort. 	Ar. Abu Talha Farooqi M. Arch (Healthcare), B. Arch and BEE Certified ECBC Master Trainer [Expert Trainer – 1]
11:30-13:15	<p>Session 2: Importance of Thermal Comfort</p> <ul style="list-style-type: none"> a) Thermal comfort and cooling demand b) Factors affecting thermal comfort and cooling demand c) Contemporary approaches d) Thermal Comfort Metrics 	Ar. Abu Talha Farooqi M. Arch (Healthcare), B. Arch and BEE Certified ECBC Master Trainer [Expert Trainer – 1]
13:15-14:15	Lunch Break	
14:15-15:00	<p>Session 3: Building Physics & Fundamental of Thermal Comfort</p> <ul style="list-style-type: none"> a) Concept of energy and Heat b) Factors Influencing Heat Transfer and Laws of thermodynamics c) Heat Balance and Adaptive Thermal Comfort Method d) Local Thermal Discomfort 	Ar. Mariyam Zakiah M. Arch. - Sustainable Environmental Design and BEE Certified ECBC Master Trainer [Expert Trainer – 2]
15:00-15:30	<p>Session 4: Passive Strategies & Building Materials</p> <ul style="list-style-type: none"> a) Affordable Housing & Passive Design Strategies b) Innovative building materials (Wall, Glazing & Roof) c) Case Studies 	Ar. Mariyam Zakiah M. Arch. - Sustainable Environmental Design and BEE Certified ECBC Master Trainer [Expert Trainer – 2]
15:30-15:45	High Tea & Networking	
15:45 -17:00	<p>Session 5: Building Codes</p> <ul style="list-style-type: none"> a) IMAC & ASHRAE b) Eco Niwas Samhita Part -1 & Part -2 c) Code Provisions d) ENS Compliance Tool 	Ar. Mariyam Zakiah M. Arch. - Sustainable Environmental Design and BEE Certified ECBC Master Trainer [Expert Trainer – 2]
17:00-17:20	Q & A Session	Expert Trainers 1 & 2
17:20-17:30	Vote of Thanks	CSB Cell- GIZ
End of Day 1		

'Innovative Construction Technologies and Thermal Comfort in Affordable Housing'

Location: Hindu College of Design, Architecture & Planning, Sonipat | Date : 2nd & 3rd Mar 23 | Time : 09:50 AM to 5:30 PM

AGENDA – DAY 2

TIME	TOPIC	SPEAKER
10:30 - 11:00	Revisiting Day 1	CSB Cell - GIZ
11:00 - 13:00	Design Challenge Exercise	CSB Cell - GIZ
13:00 - 14:00	Lunch Break	
14:00 - 16:00	Design Challenge Exercise	CSB Cell - GIZ
16:00 - 16:15	High Tea	
16:15 - 17:15	Design Challenge Judgment and Winner Announcement	CSB Cell - GIZ
17:00 - 17:15	Vote of Thanks	CSB Cell - GIZ
End of Awareness Programme		