

RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training # 07: Two-Days Training Programme on

'Innovative Construction Technologies & Best Construction Practices for Thermal Comfort in Affordable Housing'

Location: Seminar Hall, Ahmedabad Management Association | Date : 16th & 17th Dec 22 | Time : 09:30 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:

Seminar Hall, Ahmedabad Management Association,
Dr. Vikram Sarabhai Marg, University Area,
Ahmedabad, Gujarat - 380009

TARGET STAKEHOLDERS



Senior Govt.
Officials &
Policy makers



Built-environment
professionals &
Govt. Departments



Building Sector
Stakeholders



Technograhis

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

'Innovative Construction Technologies & Best Construction Practices for Thermal Comfort in Affordable Housing'

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AGENDA – DAY 1

TIME	TOPIC	SPEAKER
09:30 – 10:00	Registration	By Dignitaries
10:00 - 10:15	Welcome Address	CSB Cell- GiZ
10:15 - 10:30	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	High Tea & Networking	
10:45 - 12:00	<p>Session 1: Innovative Construction Technologies of Light House Projects, LHP Study and Observations</p> <p>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.</p> <p>b) Thermal Comfort Analysis and Recommendations on LHPs and Demo Projects.</p> <p>c) Concept of Life cycle cost and its impact on carbon emission.</p> <p>d) Q&A on New & Innovative technologies and Thermal Comfort.</p>	Mr. Abu Talha Farooqi – M. Arch (Healthcare), B. Arch BEE Certified ECBC Master Trainer [Expert Trainer - 1]
12:00 - 13:30	<p>Session 2: Importance of Thermal Comfort</p> <p>a) Thermal comfort and cooling demand</p> <p>b) Factors affecting thermal comfort and cooling demand</p> <p>c) Contemporary approaches</p> <p>d) Thermal Comfort Metrics</p>	Expert Trainer - 1
13:30 - 14:30	Lunch Break	
14:30 - 15:30	<p>Session 3: Building Physics & Fundamental of Thermal Comfort</p> <p>a) Concept of energy and Heat</p> <p>b) Factors Influencing Heat Transfer and Laws of thermodynamics</p> <p>c) Heat Balance and Adaptive Thermal Comfort Method</p> <p>d) Local Thermal Discomfort</p>	Expert Trainer - 1
15:30 – 16:45	<p>Session 4: Passive Strategies & Building Materials</p> <p>a) Affordable Housing & Passive Design Strategies</p> <p>b) Innovative building materials (Wall, Glazing & Roof)</p> <p>c) Case Studies</p>	Expert Trainer - 1
16:45 - 17:00	High Tea & Networking	
17:00 - 17:15	Q & A	Expert Trainer - 1
17:15 - 17:30	Vote of Thanks	CSB Cell- GiZ
End of Day 1		

'Innovative Construction Technologies & Best Construction Practices for Thermal Comfort in Affordable Housing'

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AGENDA - DAY 2

TIME	TOPIC	SPEAKER
10:00 - 11:00	Session 5: Thermal Comfort Study Methods a) Study Environments b) Statistical Analysis	Mr. Kumar Biplab- LEED Professional (O+M), EDGE Expert, BEE Master Trainer [Expert Trainer - 2]
11:00 - 11:15	High Tea & Networking	
11:15 - 13:00	Session 6: Low Energy Cooling Technologies and Comfort a) Categories of Low energy cooling systems b) Rating Steps and Standards c) Case Studies	Expert Trainer - 2
13:00 - 14:00	Lunch Break	
14:00 - 16:00	Session 7: Building Codes a) IMAC & ASHRAE b) Eco Niwas Samhita Part -1 & Part -2 c) Code Provisions d) ENS Compliance Tool	Expert Trainer - 2
16:00 - 16:15	High Tea & Networking	
16:15 - 16:45	Session 8: Green Building and Green Measures	Expert Trainer - 2
16:45 - 17:00	Q & A/ Quiz	Expert Trainer - 2
17:00 - 17:15	Vote of Thanks	CSB Cell- GIZ
End of Day 2		