

RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training # 43: Two-Days Training Programme on

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

Location: Radisson Gurugram Udyog Vihar, Gurugram | Date : 21st & 22nd March 23 | 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:

Radisson Gurugram Udyog Vihar, Nh-8, Phase 3, Udyog Vihar,
Sector 20, Gurugram

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. Darshan Gohil; in_rajkot_gizcsbcell@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 and Introductory Address	TBD
	Inaugural Address	TBD
10:15 - 10:30	i) Introduction to MoHUA's Housing for All Programme, GHTC India Challenge; & ii) Introducing GIZ and Climate Smart Buildings Cell (CSB)	GIZ / GiZ CSB Cell
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>	<p style="text-align: center;">Shri. Akshay Kumar Gupta IGBC Accredited Professional, GRIHA Certified Professional & Evaluator and BEE Certified ECBC Master Trainer [Master Trainer – 1]</p>
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>	<p style="text-align: center;">Shri. Akshay Kumar Gupta IGBC Accredited Professional, GRIHA Certified Professional & Evaluator and BEE Certified ECBC Master Trainer [Master Trainer – 1]</p>
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>	<p style="text-align: center;">Shri. Akshay Kumar Gupta IGBC Accredited Professional, GRIHA Certified Professional & Evaluator and BEE Certified ECBC Master Trainer [Master Trainer – 1]</p>
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>	<p style="text-align: center;">Shri. Akshay Kumar Gupta IGBC Accredited Professional, GRIHA Certified Professional & Evaluator and BEE Certified ECBC Master Trainer [Master Trainer – 1]</p>
16:45 - 17:00	High Tea & Networking	
17:00 - 17:15	Q & A / Quiz	[Master Trainer – 1]
17:15 - 17:30	Vote of Thanks	GIZ/ GiZ CSB Cell

End of Day 1

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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	Shri. Jitendra Kumar Vyas GRIHA Trainer Evaluator, EDGE Expert Auditor and BEE Certified ECBC Master Trainer [Master 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	Shri. Jitendra Kumar Vyas GRIHA Trainer Evaluator, EDGE Expert Auditor and BEE Certified ECBC Master Trainer [Master 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	Shri. Jitendra Kumar Vyas GRIHA Trainer Evaluator, EDGE Expert Auditor and BEE Certified ECBC Master Trainer [Master Trainer – 2]
16:00 - 16:15	High Tea & Networking	
16:15 - 16:45	Session 8: Green Building and Green Measures	Shri. Jitendra Kumar Vyas GRIHA Trainer Evaluator, EDGE Expert Auditor and BEE Certified ECBC Master Trainer [Master Trainer – 2]
16:45 – 17:00	Q & A / Quiz	Shri. Jitendra Kumar Vyas GRIHA Trainer Evaluator, EDGE Expert Auditor and BEE Certified ECBC Master Trainer [Master Trainer – 2]
17:00 - 17:15	Vote of Thanks	GiZ / CSB Cell Rajkot
End of Training Program		