

RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training # 25: One Day Training Programme on 'Innovative Construction Technologies & Thermal Comfort in Affordable Housing'

Location: Infocity Club & Resort - Gandhinagar | Date : 12th Jan 23 | Time : 10:00 AM to 4:30 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:

Infocity Club & Resort
Indroda Circle, S.G. Highway
Gandhinagar – 382009, Gujarat

TARGET STAKEHOLDERS



Head of UDAs/ ULBs / Municipal Corporations & Senior
Administrative Grade from UDD, State and Senior
Administrative Grade (SAG) from Ministry of Housing and
Urban Affairs

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

'Innovative Construction Technologies & Thermal Comfort in Affordable Housing'

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AGENDA

TIME	TOPIC	SPEAKER
10:00 – 10:30	Registration	By Dignitaries
10:30-10:45	Welcome Address	Shri. Rajendra Pandya BEE Certified ECBC Master Trainer Director – Sustainable Energy Alternatives [NGO] Ex. HoD. Energy Conservation Cell – Gujarat Energy Development Agency, Climate Change Department, Govt. of Gujarat
10:45-11.00	Introduction to MoHUA's Housing for All Programme, GHTC India Challenge Introducing GIZ and Climate Smart Buildings Cell (CSB)	GIZ/ CSB Cell Rajkot
11:00 – 11:15	High Tea & Networking	
10:45 - 12:00	Session 1: Innovative Construction Technologies of Light House Projects, LHP Study and Observations 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.	Shri. Jit Kumar Gupta B.Arch., Master of City and Regional Planning, Sr. Fellow , Indian Green Building Council, Ex. Advisor Town Planning & Planning Head- Senior Town Planner- Punjab Urban Planning and Development Authority(PUDA)
12:00 - 13:30	Session 2: Importance of Thermal Comfort a) Thermal comfort and cooling demand b) Factors affecting thermal comfort and cooling demand c) Contemporary approaches d) Thermal Comfort Metrics	Shri. Jit Kumar Gupta B.Arch., Master of City and Regional Planning, Sr. Fellow , Indian Green Building Council, Ex. Advisor Town Planning & Planning Head- Senior Town Planner- Punjab Urban Planning and Development Authority(PUDA)
13:30 - 14:30	Lunch Break	
14:30 - 15:30	Session 3: Building Physics & Fundamental of Thermal Comfort 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	Shri. Jitendra Kumar Vyas GRIHA Trainer Evaluator, EDGE Expert Auditor and BEE Certified ECBC Master Trainer
15:30 – 16:00	Session 4: Passive Strategies & Building Materials a) Affordable Housing & Passive Design Strategies b) Innovative building materials (Wall, Glazing & Roof) c) Case Studies	Shri. Jitendra Kumar Vyas GRIHA Trainer Evaluator, EDGE Expert Auditor and BEE Certified ECBC Master Trainer
16:00 - 16:15	High Tea & Networking	
16:15 - 16:30	Vote of Thanks	GIZ/ CSB Cell Rajkot

End of Training Program