

# RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training # 36: One Day Training Programme on 'Innovative Construction Technologies & Thermal Comfort in Affordable Housing'

Location: Hotel Park Prime, Jaipur | Date : 3<sup>rd</sup> Feb 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:

Hotel Park Prime  
C-59, Prithviraj Road, C-Scheme, Jaipur

### 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  | <b>Shri. Pradeep Garg</b><br>Project Director RUDSICO (Housing)   |
|                                | Keynote Address  | <b>Chief Guest: Shri. V. K. Dadhich</b><br>Advisor – Local Self Government and<br>Urban Development and Housing<br>Department, Govt. of Rajasthan |
| 10:45-11.00                    | Introduction to MoHUA's Housing for All Programme, GHTC India Challenge<br>Introducing GIZ and Climate Smart Buildings Cell (CSB)  | <b>GiZ/ GIZ CSB Cell</b>  |
| 11:00 – 11:15                  | <b>High Tea &amp; Networking</b>   |   |
| 10:45 - 12:00                  | <b>Session 1: Innovative Construction Technologies of Light House Projects, LHP<br/>Study and Observations</b>   | <b>Mr. Jitendra Kumar Vyas</b><br>GRIHA Trainer & Evaluator, EDGE<br>Expert & Auditor and BEE Certified<br>ECBC Master Trainer                    |
|                                | 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.<br>b) Thermal Comfort Analysis and Recommendations on LHPs and Demo Projects.<br>c) Concept of Life cycle cost and its impact on carbon emission.<br>d) Q&A on New & Innovative technologies and Thermal Comfort. |   |
| 12:00 - 13:30                  | <b>Session 2: Importance of Thermal Comfort</b>  | <b>Ar. Prachi Gupta</b><br>GRIHA Trainer and Evaluator, GEM<br>Certified Professional and BEE<br>Certified ECBC Master Trainer                    |
|                                | a) Thermal comfort and cooling demand<br>b) Factors affecting thermal comfort and cooling demand<br>c) Contemporary approaches<br>d) Thermal Comfort Metrics   |   |
| 13:30 - 14:30                  | <b>Lunch Break</b>   |   |
| 14:30 - 15:30                  | <b>Session 3: Building Physics &amp; Fundamental of Thermal Comfort</b>  | <b>Ar. Prachi Gupta</b><br>GRIHA Trainer and Evaluator, GEM<br>Certified Professional and BEE<br>Certified ECBC Master Trainer                    |
|                                | a) Concept of energy and Heat<br>b) Factors Influencing Heat Transfer and Laws of thermodynamics<br>c) Heat Balance and Adaptive Thermal Comfort Method<br>d) Local Thermal Discomfort   |   |
| 15:30 – 16:00                  | <b>Session 4: Passive Strategies &amp; Building Materials</b>  | <b>Mr. Jitendra Kumar Vyas</b><br>GRIHA Trainer & Evaluator, EDGE<br>Expert & Auditor and BEE Certified<br>ECBC Master Trainer                    |
|                                | a) Affordable Housing & Passive Design Strategies<br>b) Innovative building materials (Wall, Glazing & Roof)<br>c) Case Studies  |   |
| 16:00 - 16:15                  | <b>High Tea &amp; Networking</b>   |   |
| 16:15 - 16:30                  | Vote of Thanks   | <b>GiZ/ GIZ CSB Cell</b>  |
| <b>End of Training Program</b> |  |   |