

# RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #19: One Day Training Programme

### 'Training on Climate Smart Buildings'

Location: Bengaluru | Date : 10-01-2023 | Time : 10:00 AM to 04:30 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:

Board Room,  
Karnataka Housing Board (KHB),  
Cauvery Bhavan, KG Road, Bengaluru - 560069

#### TARGET STAKEHOLDERS



Senior Govt.  
Officials &  
Policy makers



Built-environment  
professionals &  
Govt. Departments

For Further Details, Please drop an email to  
Mr. Anand Sachithanatham; Chennai.gizCSBcell@gmail.com ;

## 'Climate Smart Buildings'

Location: Bengaluru | Date : 10-01-2023 | Time : 09:30 AM to 04:30 PM |

TIME	TOPIC	SPEAKER
10:00 – 10:30	Registration	
10:30 - 10:45	Welcome Address	<b>Mr. Selvarasu</b> Team Leader, Climate Smart Buildings Cell
	Lamp Lighting & Facilitation	By Dignitaries & CSB Cell
	Special Address	<b>Mr. NS Siddhalingappa</b> Secretary, Karnataka Housing Board
	Keynote Address	<b>Mr. Sharanappa Sulgante</b> Chief Engineer, Karnataka Housing Board
10:45 - 11:00	Introduction to MoHUA's Housing for All Programme, GHTC India, Introduction to GIZ, and Climate Smart Buildings	<b>Ms. Rathnashree,</b> General Manager, Sustainable Designs, Lead Consultancy and Engineering Service Pvt. Ltd
<b>11:00 - 11:15</b>	<b>High Tea &amp; Networking</b>	
11:15 - 12:00	<b>Session 1: Innovative Construction Technologies of Light House Projects, LHP Study and Observations</b> <ol style="list-style-type: none"> <li>New age innovative technologies along with the 6 LHP construction technologies focusing on - efficiency in construction, mainstreaming &amp; replication of technologies, and sustainable cum thermal comfort aspects.</li> <li>Thermal Comfort Analysis and Recommendations on LHPs and Demo Projects.</li> <li>Concept of Life cycle cost and its impact on carbon emission.</li> <li>Q&amp;A on New &amp; Innovative technologies and Thermal Comfort.</li> </ol>	<b>Ms. Rathnashree,</b> General Manager, Sustainable Designs, Lead Consultancy and Engineering Service Pvt. Ltd
12:00 - 13:15	<b>Session 2: Importance of Thermal Comfort</b> <ol style="list-style-type: none"> <li>Thermal comfort and cooling demand</li> <li>Factors affecting thermal comfort and cooling demand</li> <li>Contemporary approaches</li> <li>Thermal Comfort Metrics</li> </ol>	<b>Ms. Neha Vyas</b> ECBC Master Trainer
<b>13:15 – 14:15</b>	<b>Lunch Break</b>	
14:15 - 15:00	<b>Session 3: Building Physics &amp; Fundamental of Thermal Comfort</b> <ol style="list-style-type: none"> <li>Concept of Heat and Energy</li> <li>Factors Influencing Heat Transfer and Laws of thermodynamics</li> <li>Heat Balance and Adaptive Thermal Comfort Method</li> <li>Local Thermal Discomfort</li> </ol>	<b>Ms. Neha Vyas</b> ECBC Master Trainer
15:00 - 16:00	<b>Session 4: Passive Strategies &amp; Building Materials</b> <ol style="list-style-type: none"> <li>Affordable Housing &amp; Passive Design Strategies</li> <li>Innovative building materials</li> <li>Case Studies</li> </ol>	<b>Ms. Neha Vyas</b> ECBC Master Trainer
16:00 – 16:15	Q&A Session	Trainer & CSB Cell
16:15 – 16:20	Vote of Thanks	<b>Ms. Kalaiyarasi</b> Climate Smart Buildings Cell
<b>16:20 - 16:30</b>	<b>High Tea &amp; End of Sessions</b>	