

RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION
Training #17: Two-Day Vocational Training Programme on

'Innovative Construction Technologies & Thermal Comfort for Affordable Housing'

Location: Ranchi | Date : 26th - 27th May 2022, Thursday - Friday | Time : 09:30 AM to 5:00 PM |

ABOUT THE TRAINING:

The Ministry of Housing & Urban Affairs (MoHUA) in partnership with GIZ and Building Material and Technology promotion Council (BMTPC) is hosting series of trainings/workshops on Innovative Construction Technologies & Thermal Comfort for Affordable Housing named **RACHNA** (Resilient, Affordable and Comfortable Housing through National Action). The prime focus of this training is thermal comfort and its necessity in the affordable housing sector. The training covers the thermal comfort basics, material influences, low-cost solutions & codes that are available in India to create Climate-Smart Buildings. The outcome of the training would be to make the stakeholders in the affordable housing sector understand the need for thermal comfort & urge them to include no cost or low-cost strategies in upcoming projects.

JOIN US AT:

**Light House Project, Sector-2, HEC
Masibari, Ranchi – 834 004**

*For Further Details, Please drop an email to
Mr Santanu Mandal; in_ranchi_giz_csbcell@pwc.com;*

TARGET STAKEHOLDERS



**Training Program tailored for Contractors, Masons, Plumber, Electrician, Insulation
Applicators, and the construction field Workers**

Innovative Construction Technologies & Thermal Comfort for Affordable Housing

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AGENDA

DURATION	TOPIC	SPEAKER
10:00-10:30	Registration	CSB Cell
10:30-10:45	Introduction & Agenda Briefing	CSB Cell
10:45-11:15	Keynote Address on Innovative Housing Technologies	Shri Ramesh Kumar, Site Engineer – BMTPC
11:15-11:45	Theme Address	Shri Lakshman Verma, Asst. Project Manager - LHP Ranchi – SGC Magicrete LLP
11:45-12:00	HIGH-TEA & NETWORKING	
12:00-13:45	Session 1: LHP & its Construction Technology. GHTC Brief on other LHP Construction Technologies & Basics of Thermal Comfort a) Precast Concrete Construction System – 3D Volumetric – Ranchi b) Precast Components assembled at Site - Chennai c) Prefabricated Sandwich Panel System - Indore d) Monolithic Concrete Construction using Tunnel Formwork - Rajkot, e) Light Gauge Steel Structural System & Pre-engineered Steel Structural System – Agartala f) PVC Stay in Place Formwork System – Lucknow	Ar Glory Srivastava Architect – CSB Cell East Cluster
13:45-14:30	LUNCH BREAK	
14:30-15:30	Session 3: Vocational Training a) Practical Implementation (Showcasing On Site Building Construction through Precast Concrete Construction System – 3D Volumetric)	Shri Vamsi Mohan, Engineer – SGC Magicrete LLP
15:30-16:00	Q&A Feedback	CSB Cell
16:00	CLOSE of Day -1	

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Day -2 AGENDA

DURATION	TOPIC	SPEAKER
10:30-11:00	Screening of LHP Ranchi's Short Film and Construction Progress Time Lapse Video	CSB Cell
11:00-11:30	Special Address: 'Key Features of Precast Concrete Construction System – 3D Volumetric'	Shri Vitrang Sompura, Project Manager - LHP Ranchi – SGC Magicrete LLP
11:30-11:45	HIGH-TEA & NETWORKING	
11:45-13:30	<p>Technical Session : Detailed Presentation on Construction Technology Process</p> <p>a) Precast elements production Process (Mould preparation, steel binding, shuttering, casting, steam curing, De-shuttering)</p> <p>b) Erection Process (Transportation, finishing, rectification, grouting)</p> <p>c) Mechanical, Electrical, and Plumbing (MEP) works in precast construction</p> <p>d) Concrete Batching & Concrete Testing</p> <p>e) Raw Material Testing</p> <p>f) Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration, and reduction in wastage during construction</p>	<p>Shri Ashish Kumar</p> <p>Production In charge – LHP Ranchi - SGC Magicrete LLP</p>
13:30-14:30	LUNCH BREAK	
14:30-15:30	Site Visit : LHP Ranchi Casting Yard & Live Demonstration of 3D Modular Pods Construction process and Erection	Shri Ashish Kumar Production In charge – LHP Ranchi - SGC Magicrete LLP
15:30-16:00	Q&A and Feedback	CSB Cell
16:00-16:15	Vote of Thanks	CSB Cell
16:15-16:30	Hi-Tea & Networking	