

# RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #35: 2-Day Vocational Training Programme on 'Innovative Construction Technologies & Best Construction Practices'

Location: DHP Guwahati | Date : 24<sup>th</sup> – 25<sup>th</sup> Jan 2023 , Tuesday & Wednesday | Time : 10:00 AM to 5:00 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 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:

Light House Project  
Agartala, Tripura - 799002

*For Further Details, Please drop an email to  
Mr. Rajesh Debbarma  
in\_agartala\_giz\_csbcell@pwc.com*

### TARGETED STAKEHOLDERS



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

# Innovative Construction Technologies & Best Construction Practices

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## AGENDA – Day 1

DURATION	TOPIC	SPEAKER
10:00-10:30	Registration	Climate Smart Buildings (CSB) Cell
10:30-10:45	Welcome Address & Trainer Introduction	
10:45-11:00	HIGH-TEA	
11:00-12:00 (Batch 1)	Session 1: LHP & It’s Construction Technology. GHTC - Brief explanation on other LHP Construction Technologies: a) Light Gauge Steel Structural System & Pre-engineered Steel Structural System –Agartala, b) Precast Components assembled at Site – Chennai, c) Prefabricated Sandwich Panel System - Indore, d) Precast Concrete Construction System –3D Volumetric –Ranchi, e) Monolithic Concrete Construction using Tunnel Formwork - Rajkot, f) PVC Stay in Place Formwork System –Lucknow	Ar. Shirsendu Patra Architect Consultant, CSB Cell-GIZ
12:00-13:00 (Batch 1)	Session 2: Detail on Construction Technology Process: a) Site Excavation & Stabilization b) Column Laying & Structure C) Technology specific construction & other walling & roof components details d) Plastering & Finishes e) Improving efficiency in construction	
13:00-14:00	LUNCH BREAK	
14:00-15:00 (Batch 2)	Session 1: LHP & It’s Construction Technology. GHTC - Brief on other LHP Construction Technologies: a) Light Gauge Steel Structural System & Pre-engineered Steel Structural System –Agartala, b) Precast Components assembled at Site – Chennai, c) Prefabricated Sandwich Panel System - Indore, d) Precast Concrete Construction System –3D Volumetric –Ranchi, e) Monolithic Concrete Construction using Tunnel Formwork - Rajkot, f) PVC Stay in Place Formwork System –Lucknow	Ar. Shirsendu Patra Architect Consultant, CSB Cell-GIZ
15:00-16:00 (Batch 2)	Session 2: Detail on Construction Technology Process: a) Site Excavation & Stabilization b) Column Laying & Structure C) Technology specific construction & other walling & roof components details d) Plastering & Finishes e) Improving efficiency in construction	
16:00-16:30	Session 3: Site Visit	Climate Smart Buildings (CSB) Cell
16:30-16:45	HIGH-TEA & NETWORKING	
16:45-17:00	Q & A and Feedback	

## Innovative Construction Technologies & Best Construction Practices

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### AGENDA – Day 2

DURATION	TOPIC	SPEAKER
10:00-10:30	Registration	Climate Smart Buildings (CSB) Cell
10:30-10:45	Welcome Address & Trainer Introduction	
10:45-11:00	HIGH-TEA	
11:00-12:00 (Batch 3)	Session 1: LHP & It’s Construction Technology. GHTC - Brief explanation on other LHP Construction Technologies: a) Light Gauge Steel Structural System & Pre-engineered Steel Structural System –Agartala, b) Precast Components assembled at Site – Chennai, c) Prefabricated Sandwich Panel System - Indore, d) Precast Concrete Construction System –3D Volumetric –Ranchi, e) Monolithic Concrete Construction using Tunnel Formwork - Rajkot, f) PVC Stay in Place Formwork System –Lucknow	Ar. Shirsendu Patra Architect Consultant, CSB Cell-GIZ
12:00-13:00 (Batch 3)	Session 2: Detail on Construction Technology Process: a) Site Excavation & Stabilization b) Column Laying & Structure C) Technology specific construction & other walling & roof components details d) Plastering & Finishes e) Improving efficiency in construction	
13:00-14:00	LUNCH BREAK	
14:00-15:00 (Batch 4)	Session 1: LHP & It’s Construction Technology. GHTC - Brief on other LHP Construction Technologies: a) Light Gauge Steel Structural System & Pre-engineered Steel Structural System –Agartala, b) Precast Components assembled at Site – Chennai, c) Prefabricated Sandwich Panel System - Indore, d) Precast Concrete Construction System –3D Volumetric –Ranchi, e) Monolithic Concrete Construction using Tunnel Formwork - Rajkot, f) PVC Stay in Place Formwork System –Lucknow	Ar. Shirsendu Patra Architect Consultant, CSB Cell-GIZ
15:00-16:00 (Batch 4)	Session 2: Detail on Construction Technology Process: a) Site Excavation & Stabilization b) Column Laying & Structure C) Technology specific construction & other walling & roof components details d) Plastering & Finishes e) Improving efficiency in construction	
16:00-16:30	Session 3: Site Visit	Climate Smart Buildings (CSB) Cell
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16:45-17:00	Q & A and Feedback	