

RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training # 42: Two-Days Training Programme on 'Innovative Construction Technologies for Affordable Housing'

Location: AHP, Kasidih, Jamshedpur | Date : 7th & 8th February | Time : 10:30 AM to 5:30 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:

**Affordable Housing Project
Kasidih, Adityapur, Jamshedpur, Jharkhand**

TARGET STAKEHOLDERS



**Building Sector
Stakeholders**

'Innovative Construction Technologies for Affordable Housing'

Location: AHP, Jamshedpur | Date : 7th & 8th February 2023 | Time : 10:30 AM to 5:30 PM |

Agenda - Day I & II			
TIME		TOPIC	SPEAKER
10:00 - 10:30		Registration	By Participants
10:30 - 10:45	Introduction	Welcome Address	Ar. Nidhi Agrawal (CSB Cell)
		Trainer Introduction	Ar. Nidhi Agrawal (CSB Cell)
10:30 - 10:45		High Tea & Networking	
11:00-12:00	Session-1 (Batch-1/3)	<ul style="list-style-type: none"> • LHP and its Construction technology • GHTC: Brief explanation on LHPs construction technologies (Video & Presentation) a) Precast Components Assembled at Site -Chennai, Tamil Nadu b) Prefabricated Sandwich Panel System - Indore, Madhya Pradesh c) Precast Concrete Construction System-3D Volumetric - Ranchi, Jharkhand d) Light Gauge Steel Structural System & Pre-engineered Steel Structural System – Agartala, Tripura e) Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat f) PVC Stay in Place Formwork System – Lucknow, Uttar Pradesh 	Ar. Nidhi Agrawal (CSB Cell)
12:00 - 13:00	Session-2 (Batch-1/3)	<ul style="list-style-type: none"> • Construction Process a) Excavation and Stabilization Process, hazards, protective methods during construction b) Column laying and structure – Types, defects in construction and preventive measures, Retaining walls, Soil nailing, Mortar and Filling, Reinforcement c) Technology specific construction and other walling and roof component details d) Improving Efficiency in construction – Defects in construction, Reduction in wastage during construction, Challenges during construction, Energy Conservation in Construction • Basic of thermal Comfort and Passive design strategies for affordable housing 	Ar. Nidhi Agrawal (CSB Cell)/ Er. Sapan Kumar Mitra (Site Engineer)

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Agenda - Day I & II			
TIME		TOPIC	SPEAKER
13:00 - 14:00		Lunch Break	
14:00 - 15:00	Session-1 (Batch-2/4)	<ul style="list-style-type: none"> • LHP and its Construction technology • GHTC: Brief explanation on LHPs construction technologies (Video & Presentation) a) Precast Components Assembled at Site -Chennai, Tamil Nadu b) Prefabricated Sandwich Panel System - Indore, Madhya Pradesh c) Precast Concrete Construction System-3D Volumetric - Ranchi, Jharkhand d) Light Gauge Steel Structural System & Pre-engineered Steel Structural System – Agartala, Tripura e) Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat f) PVC Stay in Place Formwork System – Lucknow, Uttar Pradesh 	Ar. Nidhi Agrawal (CSB Cell)
15:00 - 16:00	Session-2 (Batch-2/4)	<ul style="list-style-type: none"> • Construction Process a) Excavation and Stabilization Process, hazards, protective methods during construction b) Column laying and structure – Types, defects in construction and preventive measures, Retaining walls, Soil nailing, Mortar and Filling, Reinforcement c) Technology specific construction and other walling and roof component details d) Improving Efficiency in construction – Defects in construction, Reduction in wastage during construction, Challenges during construction, Energy Conservation in Construction • Basic of thermal Comfort and Passive design strategies for affordable housing 	Ar. Nidhi Agrawal (CSB Cell)/ Er. Sapan Kumar Mitra (Site Engineer)
16:00 - 16:30	Session-3	Site visit	Er. Ajoy Goswami/Er. Sapan Kumar Mitra (Site Engineer)
16:30 - 16:45		Tea Break	
16:45 - 17:00		Q & A and Feedback	Ar. Nidhi Agrawal (CSB Cell)
17:00 - 17:15		Vote of Thanks	Ar. Nidhi Agrawal (CSB Cell)