

RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training # 14: Two-Days Training Programme on 'Innovative Construction Technologies & Best Construction practices'

Location: Lucknow | Date : 27th & 28th December 2022 | 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:

Light House Project
Avadh Vihar Yojna
Lucknow

TARGET STAKEHOLDERS



Senior Govt.
Officials &
Policy makers



Built-environment
professionals &
Govt. Departments



Building Sector
Stakeholders



Technograhis

For Further Details, Please drop an email to
Mr. Amrish Chaturvedi ; lucknow.gizcsbcell@gmail.com

'Innovative Construction Technologies & Best Construction practices'

Location: LHP Lucknow | Date : 27th December 2022 | Time : 10:00 AM to 5:15 PM |

Day I

TIME		TOPIC	SPEAKER
10:00 – 10:30		Registration	
10:30 - 10:45		Welcome Address	Mr. Munish Nassa (BMTPC)
		Trainer Introduction	CSB Cell
10:45 – 11:00		High Tea & Networking	
11:00 - 12:00	Session-1 (Batch-1)	<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 	Mohd. Zaid Khan (CSB Cell)
12:00 - 13:00	Session-2 (Batch-1)	<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. e) Basic of thermal Comfort and Passive design strategies for affordable housing. 	Mr. Amrish (CSB Cell) & Mr. Deepak (Novel Assembler)
13:00 – 14:00	Lunch Break	Lunch Break	

'Innovative Construction Technologies & Best Construction practices'

Location: LHP Lucknow | Date : 27th December 2022 | Time : 10:30 AM to 5:15 PM |

Day I

TIME		TOPIC	SPEAKER
14:00 - 15:00	Session-1 (Batch-2)	<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 	Mr. Munish Nassa (BMTPC) & Mohd. Zaid Khan (CSB Cell)
15:00 - 16:00	Session-2 (Batch-2)	<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. e) Basic of thermal Comfort and Passive design strategies for affordable housing. 	Mr. Deepak (Novel Assembler)
16:00 - 16:30	Session-3	Site visit	BMTPC/ CSB Cell
16:30 - 16:45		High Tea & Networking	
16:45 - 17:00		Q&A	CSB Cell
17:00 - 17:15		Vote of Thanks	CSB Cell

'Innovative Construction Technologies & Best Construction practices'

Location: LHP Lucknow | Date : 28th December 2022 | Time : 10:00 AM to 5:15 PM |

Day 2

TIME		TOPIC	SPEAKER
10:00 – 10:30		Registration	
10:30 - 10:45		Welcome Address	Mr. Munish Nassa (BMTPC)
		Trainer Introduction	CSB Cell
10:45 – 11:00		High Tea & Networking	
11:00 - 12:00	Session-1 (Batch-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 	Mr. Munish Nassa (BMTPC)
12:00 - 13:00	Session-2 (Batch-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. e) Basic of thermal Comfort and Passive design strategies for affordable housing. 	Mr. Amrish (CSB Cell) & Mr. K.K. Singh (CUBE – TPQA IIT Madras)
13:00 – 14:00	Lunch Break	Lunch Break	

'Innovative Construction Technologies & Best Construction practices'

Location: LHP Lucknow | Date : 28th December 2022 | Time : 10:00 AM to 5:15 PM |

Day 2

TIME		TOPIC	SPEAKER
14:00 - 15:00	Session-1 (Batch-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 	Mohd. Zaid Khan (CSB Cell)
15:00 - 16:00	Session-2 (Batch-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. e) Basic of thermal Comfort and Passive design strategies for affordable housing. 	Mr. Amrish (CSB Cell) & Mr. K.K. Singh (CUBE - TPQA IIT Madras)
16:00 - 16:30	Session-3	Site visit	BMTPC/ CSB Cell
16:30 - 16:45		High Tea & Networking	
16:45 - 17:00		Q&A	CSB Cell
17:00 - 17:15		Vote of Thanks	CSB Cell