

# RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training # 63: Two-Days Awareness Programme on 'Innovative Construction Technologies & Best Construction practices'

Location: PMAY Project Site, Rangwasa, Indore (MP) | Date: 01<sup>st</sup> & 02<sup>nd</sup> March' 23 | 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 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:

PMAY Project Site,  
Rangwasa, Indore, Madhya Pradesh

### TARGET STAKEHOLDERS



Building Sector  
Stakeholder



Construction Field  
Worker



Building Sector  
Ground Staff



Technograhis

For Further Details, Please drop an email to  
Mr. Shelendra Kr Chanderiya [9654419859, indore.gizCSBcell@gmail.com]

## 'Innovative Construction Technologies & Best Construction practices'

Location: PMAY Project Site Rangwasa, Indore (MP) | Date: 01<sup>st</sup> & 02<sup>nd</sup> March 23 | Time: 10:00 AM to 5:00 PM

### Day - 01: 01 March 2023

| TIME                              | SESSION                   | TOPIC  | SPEAKER  |
|-----------------------------------|---------------------------|--|----------|
| 10:00 AM - 10:30 AM               | Registration              | Registration of Participants – Batch - 01  | CSB Cell |
|                                   | Introduction              | Welcome Address & Introduction   |          |
| 10:30 AM - 12:45 PM<br>BATCH - 01 | Session - 01              | LHP and its Construction technology<br>Brief explanation on other LHP construction technologies (Videos)<br>a) Precast Components Assembled at Site – Chennai, Tamil Nadu<br>b) Prefabricated Sandwich Panel System – Indore, Madhya Pradesh<br>c) Precast Concrete Construction System – 3D Volumetric – Ranchi, Jharkhand<br>d) Light Gauge Steel Structural System & Pre-engineered Steel Structural System – Agartala, Tripura<br>e) Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat<br>f) PVC Stay In Place Formwork System – Lucknow, Uttar Pradesh   | CSB Cell |
|                                   | Session - 02              | Construction Technology - Prefabricated Sandwich Panel Technology (LHP Indore) Process:<br>a) Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction and Transportation<br>b) Column laying and structure – PEB (Pre-Engineered Building) Structure assembling.<br>c) Technology specific construction details such as walling ( EPS Panel) and roof (Deck sheet)<br>d) Finishes – Surface Finishing and Painting<br>e) Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration and reduction in wastage during construction | CSB Cell |
|                                   | Session - 03              | Demonstration Housing Project , Bhopal<br>Insulating Concrete Formwork Technique   | CSB Cell |
| 12:45 PM - 01:00 PM               | Question & Answer Session |  |          |
| 01:00 PM - 02:00 PM               | Lunch Break               |  |          |
| 02:00 PM - 2:30 PM                |                           | Participant Registrations – Batch - 02   |          |
| 02:30 PM - 04:45 PM<br>BATCH - 02 | Session - 01              | LHP and its Construction technology<br>Brief explanation on other LHP construction technologies (Videos)<br>a) Precast Components Assembled at Site – Chennai, Tamil Nadu<br>b) Prefabricated Sandwich Panel System – Indore, Madhya Pradesh<br>c) Precast Concrete Construction System – 3D Volumetric – Ranchi, Jharkhand<br>d) Light Gauge Steel Structural System & Pre-engineered Steel Structural System – Agartala, Tripura<br>e) Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat<br>f) PVC Stay In Place Formwork System – Lucknow, Uttar Pradesh   | CSB Cell |
|                                   | Session - 02              | Construction Technology -Prefabricated Sandwich Panel Technology(LHP Indore) Process:<br>a) Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction and Transportation<br>b) Column laying and structure – PEB (Pre-Engineered Building) Structure assembling.<br>c) Technology specific construction details such as walling ( EPS Panel) and roof (Deck sheet)<br>d) Finishes – Surface Finishing and Painting<br>e) Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration and reduction in wastage during construction   | CSB Cell |
|                                   | Session - 03              | Demonstration Housing Project , Bhopal<br>Insulating Concrete Formwork Technique   | CSB Cell |
| 04:45 PM - 05:00 PM               | Question & Answer Session |  |          |

## 'Innovative Construction Technologies & Best Construction practices'

Location: PMAY Project Site Rangwasa, Indore (MP) | Date: 01<sup>st</sup> & 02<sup>nd</sup> March 23 | Time: 10:00 AM to 5:00 PM

### Day - 02: 02 March 2023

| TIME                              | SESSION                   | TOPIC   | SPEAKER  |
|-----------------------------------|---------------------------|---|----------|
| 10:00 - 10:30 AM                  | Registration              | Registration of Participants – Batch - 03   | CSB Cell |
|                                   | Introduction              | Welcome Address & Introduction  |          |
| 10:30 AM - 12:45 PM<br>BATCH - 03 | Session - 01              | LHP and its Construction technology<br>Brief explanation on other LHP construction technologies (Videos)<br>a) Precast Components Assembled at Site – Chennai, Tamil Nadu<br>b) Prefabricated Sandwich Panel System – Indore, Madhya Pradesh<br>c) Precast Concrete Construction System – 3D Volumetric – Ranchi, Jharkhand<br>d) Light Gauge Steel Structural System & Pre-engineered Steel Structural System – Agartala, Tripura<br>e) Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat<br>f) PVC Stay In Place Formwork System – Lucknow, Uttar Pradesh  | CSB Cell |
|                                   | Session - 02              | Construction Technology -Prefabricated Sandwich Panel Technology (LHP Indore)<br>Process:<br>a) Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction and Transportation<br>b) Column laying and structure – PEB (Pre-Engineered Building) Structure assembling.<br>c) Technology specific construction details such as walling ( EPS Panel) and roof (Deck sheet)<br>d) Finishes – Surface Finishing and Painting<br>e) Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration and reduction in wastage during construction  | CSB Cell |
|                                   | Session - 03              | Demonstration Housing Project , Bhopal<br>Insulating Concrete Formwork Technique  | CSB Cell |
| 12:45 PM - 01:00 PM               | Question & Answer Session |   |          |
| 01:00 PM - 02:00 PM               | Lunch Break               |   |          |
| 02:00 PM - 2:30 PM                |                           | Participant Registrations – Batch - 04  |          |
| 02:30 PM - 04:45 PM<br>BATCH - 04 | Session - 01              | LHP and its Construction technology<br>Brief explanation on other LHP construction technologies (Videos)<br>a) Precast Components Assembled at Site – Chennai, Tamil Nadu<br>b) Prefabricated Sandwich Panel System – Indore, Madhya Pradesh<br>c) Precast Concrete Construction System – 3D Volumetric – Ranchi, Jharkhand<br>d) Light Gauge Steel Structural System & Pre-engineered Steel Structural System – Agartala, Tripura<br>e) Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat<br>f) PVC Stay In Place Formwork System – Lucknow, Uttar Pradesh  | CSB Cell |
|                                   | Session - 02              | Construction Technology - Prefabricated Sandwich Panel Technology (LHP Indore)<br>Process:<br>a) Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction and Transportation<br>b) Column laying and structure – PEB (Pre-Engineered Building) Structure assembling.<br>c) Technology specific construction details such as walling ( EPS Panel) and roof (Deck sheet)<br>d) Finishes – Surface Finishing and Painting<br>e) Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration and reduction in wastage during construction | CSB Cell |
|                                   | Session - 03              | Demonstration Housing Project , Bhopal<br>Insulating Concrete Formwork Technique  | CSB Cell |
| 04:45 PM - 05:00 PM               | Question & Answer Session |   |          |