



# RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #41: Two-Days Training Programme on 'Innovative Construction Technologies for Affordable Housing'

Location: PMAY, Bhanpur, Bhopal | Date: 23<sup>rd</sup> & 24<sup>th</sup> June 2022 | Time: 10:00AM to 5:00PM

### 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 to make the construction field workers aware about the latest technology i.e. Prefabricated Sandwich Panel System is being used at LHP, Indore. The training covers the technical aspect and practical application of the technology, also includes system and materials that are being used. The outcome of the training would be to make the stakeholders in the construction sector understand the need for technology & urge them to include in their upcoming projects.

### JOIN US AT:

PRADHAN MANTRI AWAS  
YOJNA SITE,  
Bhanpur, Bhopal

**TARGET AUDIENCE** Training programme tailored for Contractors, Masons, Plumber, Electrician, Insulation Applicators, and other Construction Field Workers.



### FOR FURTHER DETAILS, PLEASE CONTACT

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## Innovative Construction Technologies for Affordable Housing

Location: PMAY, Bhanpur, Bhopal | Date: 23<sup>rd</sup> & 24<sup>th</sup> June 2022 | Time: 10:00AM to 5:00PM

### DAY 1: 23-06-2022

TIME	SESSION	TOPIC	SPEAKER
10:00AM - 10:30AM	Registration	Registration of Participants	CSB Cell
	Introduction	Welcome Address & Speaker Introduction	
10:30AM-12:45AM <b>BATCH I</b>	Session 1	LHP and its Construction technology GHTC: Brief explanation on other LHP construction technologies (GHTC videos) 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	CSB Cell
	Session 2	<i>Construction Technology -Prefabricated Sandwich Panel Technology(LHP Indore) Process:</i> a) Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction and Transportation b) Column laying and structure – PEB (Pre-Engineered Building) Structure assembling. c) Technology specific construction details such as walling ( EPS Panel) and roof (Deck sheet) d) Finishes – Surface Finishing and Painting e) Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration and reduction in wastage during construction	CSB Cell
	Session 3	Demonstration Housing Project , Bhopal Insulating Concrete Formwork Technique	BMTPC Officer
12:45AM-1:00PM	<b>Question and Answer Session</b>		
1:00AM- 2:00PM	<b>Lunch Break</b>		
2:00PM-2:30PM		Registration of Participants	
2:30PM-4:45PM <b>BATCH II</b>	Session 1	LHP and its Construction technology GHTC: Brief explanation on other LHP construction technologies (GHTC videos) 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	CSB Cell
	Session 2	<i>Construction Technology -Prefabricated Sandwich Panel Technology(LHP Indore) Process:</i> a) Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction and Transportation b) Column laying and structure – PEB (Pre-Engineered Building) Structure assembling. c) Technology specific construction details such as walling ( EPS Panel) and roof (Deck sheet) d) Finishes – Surface Finishing and Painting e) Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration and reduction in wastage during construction	CSB Cell
	Session 3	Demonstration Housing Project , Bhopal Insulating Concrete Formwork Technique	BMTPC Officer
4:45PM-5:00PM	<b>Question and Answer Session</b>		

## Innovative Construction Technologies for Affordable Housing

Location: PMAY, Bhanpur, Bhopal | Date: 23<sup>rd</sup> & 24<sup>th</sup> June 2022 | Time: 10:00AM to 5:00PM

### DAY 2: 24-06-2022

TIME	SESSION	TOPIC	SPEAKER
10:00AM - 10:30AM	Registration	Registration of Participants	CSB Cell
	Introduction	Welcome Address & Speaker Introduction	
10:30AM-12:45AM  BATCH III	Session 1	LHP and its Construction technology GHTC: Brief explanation on other LHP construction technologies (GHTC videos) 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	CSB Cell
	Session 2	<i>Construction Technology -Prefabricated Sandwich Panel Technology(LHP Indore) Process:</i> a) Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction and Transportation b) Column laying and structure – PEB (Pre-Engineered Building) Structure assembling. c) Technology specific construction details such as walling ( EPS Panel) and roof (Deck sheet) d) Finishes – Surface Finishing and Painting e) Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration and reduction in wastage during construction	CSB Cell
	Session 3	Demonstration Housing Project , Bhopal Insulating Concrete Formwork Technique	BMTPC Officer
12:45AM-1:00PM	<b>Question and Answer Session</b>		
1:00AM- 2:00PM	<b>Lunch Break</b>		
2:00PM-2:30PM		Registration of Participants	
2:30PM-4:45PM  BATCH IV	Session 1	LHP and its Construction technology GHTC: Brief explanation on other LHP construction technologies (GHTC videos) 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	CSB Cell
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