

# RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #65: Two Day Training Programme

### 'Vocational Training on Innovative Technologies'

Location: Chennai | Date : 01 & 02-12-2022 | Time : 10:00 AM to 04:30 PM

#### ABOUT THE TRAINING:

RACHNA- 'Resilient, 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 different LHP Technologies, construction process used in LHP and basics of thermal comfort.

#### JOIN US AT:

Meeting Room,  
SIPCOT ARHC Site,  
Vallakottai, Chennai, Tamil Nadu

#### TARGET STAKEHOLDERS



Masons &  
Contractors



Field Workers

For Further Details, Please drop an email to  
Mr. Anand Sachithanatham; [Chennai.gizCSBcell@gmail.com](mailto:Chennai.gizCSBcell@gmail.com) ;

## 'Vocational Training'

Location: Chennai | Date : 01-12-2022 | Time : 10:00 AM to 04:30 PM |

TIME	SESSION	TOPIC	SPEAKER
10:00 - 10:30		Registration	
10:30 - 10:45	Introduction	Welcome Address	Climate Smart Buildings Cell
		Trainer	
<b>10:45 - 11:00</b>	<b>High Tea &amp; Networking</b>		
11:00 - 12:00	Session 1 (Batch 1)	<ul style="list-style-type: none"> <li>LHP and its Construction technology</li> <li>GHTC: Brief explanation on LHPs construction technologies (Video &amp; Presentation) <ul style="list-style-type: none"> <li>Precast Components Assembled at Site -Chennai, Tamil Nadu</li> <li>Prefabricated Sandwich Panel System - Indore, Madhya Pradesh</li> <li>Precast Concrete Construction System-3D Volumetric - Ranchi, Jharkhand</li> <li>Light Gauge Steel Structural System &amp; Pre-engineered Steel Structural System – Agartala, Tripura</li> <li>Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat</li> <li>PVC Stay in Place Formwork System – Lucknow, Uttar Pradesh</li> </ul> </li> </ul>	<b>Mr. Suresh Babu,</b> GM-Engineering, Pithavadian & Partners
12:00 - 13:00	Session 2 (Batch 1)	<p><b>Construction Process:</b></p> <ol style="list-style-type: none"> <li>Excavation and Stabilization Process, hazards, protective methods during construction</li> <li>Column laying and structure – Types, defects in construction and preventive measures, Retaining walls, Soil nailing, Mortar and Filling, Reinforcement</li> <li>Technology specific construction and other walling and roof component details</li> <li>Improving Efficiency in construction – Defects in construction, Reduction in wastage during construction, Challenges during construction, Energy Conservation in Construction</li> </ol> <p><b>Basic of thermal Comfort and Passive design strategies for affordable housing</b></p>	<b>Mr. Suresh Babu,</b> GM-Engineering, Pithavadian & Partners
13:00 - 13:15		Q&A Session	Trainer
<b>13:15 - 14:15</b>	<b>Lunch Break</b>		
14:15 - 15:15	Session 1 (Batch 2)	<ul style="list-style-type: none"> <li>LHP and its Construction technology</li> <li>GHTC: Brief explanation on LHPs construction technologies (Video &amp; Presentation) <ul style="list-style-type: none"> <li>Precast Components Assembled at Site -Chennai, Tamil Nadu</li> <li>Prefabricated Sandwich Panel System - Indore, Madhya Pradesh</li> <li>Precast Concrete Construction System-3D Volumetric - Ranchi, Jharkhand</li> <li>Light Gauge Steel Structural System &amp; Pre-engineered Steel Structural System – Agartala, Tripura</li> <li>Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat</li> <li>PVC Stay in Place Formwork System – Lucknow, Uttar Pradesh</li> </ul> </li> </ul>	<b>Mr. Suresh Babu,</b> GM-Engineering, Pithavadian & Partners

## 'Vocational Training'

Location: Chennai | Date : 01-12-2022 | Time : 10:00 AM to 04:30 PM |

TIME	SESSION	TOPIC	SPEAKER
15:15 - 16:15	Session 2 (Batch 2)	<p><b>Construction Process:</b></p> <ul style="list-style-type: none"> <li>a) Excavation and Stabilization Process, hazards, protective methods during construction</li> <li>b) Column laying and structure – Types, defects in construction and preventive measures, Retaining walls, Soil nailing, Mortar and Filling, Reinforcement</li> <li>c) Technology specific construction and other walling and roof component details</li> <li>d) Improving Efficiency in construction – Defects in construction, Reduction in wastage during construction, Challenges during construction, Energy Conservation in Construction</li> </ul> <p><b>Basic of thermal Comfort and Passive design strategies for affordable housing</b></p>	<p><b>Mr. Suresh Babu,</b> GM-Engineering, Pithavadian &amp; Partners</p>
16:15 - 16:30		Q&A Session	Trainer & CSB Cell
16:30		Tea & End of Sessions	

## 'Vocational Training'

Location: Chennai | Date : 02-12-2022 | Time : 10:00 AM to 04:30 PM |

TIME	SESSION	TOPIC	SPEAKER
10:00 - 10:30		Registration	
10:30 - 10:45	Introduction	Welcome Address	Climate Smart Buildings Cell
<b>10:45 - 11:00</b>	<b>High Tea &amp; Networking</b>		
11:00 - 12:00	Session 1 (Batch 3)	<ul style="list-style-type: none"> <li>LHP and its Construction technology</li> <li>GHTC: Brief explanation on LHPs construction technologies (Video &amp; Presentation)                             <ul style="list-style-type: none"> <li>Precast Components Assembled at Site -Chennai, Tamil Nadu</li> <li>Prefabricated Sandwich Panel System - Indore, Madhya Pradesh</li> <li>Precast Concrete Construction System-3D Volumetric - Ranchi, Jharkhand</li> <li>Light Gauge Steel Structural System &amp; Pre-engineered Steel Structural System – Agartala, Tripura</li> <li>Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat</li> <li>PVC Stay in Place Formwork System – Lucknow, Uttar Pradesh</li> </ul> </li> </ul>	<b>Mr. Suresh Babu,</b> GM-Engineering, Pithavadian & Partners
12:00 - 13:00	Session 2 (Batch 3)	<p><b>Construction Process:</b></p> <ol style="list-style-type: none"> <li>Excavation and Stabilization Process, hazards, protective methods during construction</li> <li>Column laying and structure – Types, defects in construction and preventive measures, Retaining walls, Soil nailing, Mortar and Filling, Reinforcement</li> <li>Technology specific construction and other walling and roof component details</li> <li>Improving Efficiency in construction – Defects in construction, Reduction in wastage during construction, Challenges during construction, Energy Conservation in Construction</li> </ol> <p><b>Basic of thermal Comfort and Passive design strategies for affordable housing</b></p>	<b>Mr. Suresh Babu,</b> GM-Engineering, Pithavadian & Partners
13:00 - 13:15		Q&A Session	Trainer
<b>13:15 - 14:15</b>	<b>Lunch Break</b>		
14:15 - 15:15	Session 1 (Batch 4)	<ul style="list-style-type: none"> <li>LHP and its Construction technology</li> <li>GHTC: Brief explanation on LHPs construction technologies (Video &amp; Presentation)                             <ul style="list-style-type: none"> <li>Precast Components Assembled at Site -Chennai, Tamil Nadu</li> <li>Prefabricated Sandwich Panel System - Indore, Madhya Pradesh</li> <li>Precast Concrete Construction System-3D Volumetric - Ranchi, Jharkhand</li> <li>Light Gauge Steel Structural System &amp; Pre-engineered Steel Structural System – Agartala, Tripura</li> <li>Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat</li> <li>PVC Stay in Place Formwork System – Lucknow, Uttar Pradesh</li> </ul> </li> </ul>	<b>Mr. Suresh Babu,</b> GM-Engineering, Pithavadian & Partners

## 'Vocational Training'

Location: Chennai | Date : 02-12-2022 | Time : 10:00 AM to 04:30 PM |

TIME	SESSION	TOPIC	SPEAKER
15:15 - 16:15	Session 2 (Batch 4)	<p><b>Construction Process:</b></p> <ul style="list-style-type: none"> <li>a) Excavation and Stabilization Process, hazards, protective methods during construction</li> <li>b) Column laying and structure – Types, defects in construction and preventive measures, Retaining walls, Soil nailing, Mortar and Filling, Reinforcement</li> <li>c) Technology specific construction and other walling and roof component details</li> <li>d) Improving Efficiency in construction – Defects in construction, Reduction in wastage during construction, Challenges during construction, Energy Conservation in Construction</li> </ul> <p><b>Basic of thermal Comfort and Passive design strategies for affordable housing</b></p>	<p><b>Mr. Suresh Babu,</b> GM-Engineering, Pithavadian &amp; Partners</p>
16:15 - 16:25		Q&A Session	Trainer & CSB Cell
16:25 - 16:30		Vote of Thanks	Climate Smart Buildings Cell
16:30		Tea & End of Sessions	