





ANGAN 2022

Session: Thermal Comfort and Climate Resilience in Residential Buildings

15th September 2022

Climate Smart Buildings

Indo German Energy Programme (IGEN)





What is a Building?

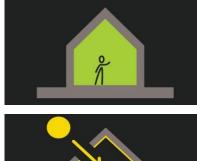
Introduction

Buildings are designed for **PEOPLE** and for specific **TASK**

- » The building needs to keep people comfortable, efficient, healthy.
- » Climate Smart design seeks to create buildings that keep people comfortable while minimizing Energy Consumption.

Comfort categories

- Thermal comfort
- Visual Comfort
- Air Quality
- Acoustic Comfort









Climate Smart Buildings

Federal Ministry

and Development

for Economic Cooperation

The objective of this project is to enhance Thermal Comfort and Energy Efficiency in affordable houses constructed under Pradhan Mantri Awas Yojana (Urban)

> Ministry of Housing and Urban Affairs Government of India





7 AFFORDABLE AND







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Climate Smart Buildings





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- 1. Increased Thermal Comfort by 35%
- 2. Carbon mitigation 20 MtCO2e by 2030

Impact 3. E-Learning Platform

Activities



1. Thermal comfort Action Plan 2047

Development of Thermal Comfort standard, guidelines & Action Plan for phased adoption



2. Training Modules

Development of Training Module on Thermal Comfort for widespread dissemination



3. Piloting Construction of Affordable Housing

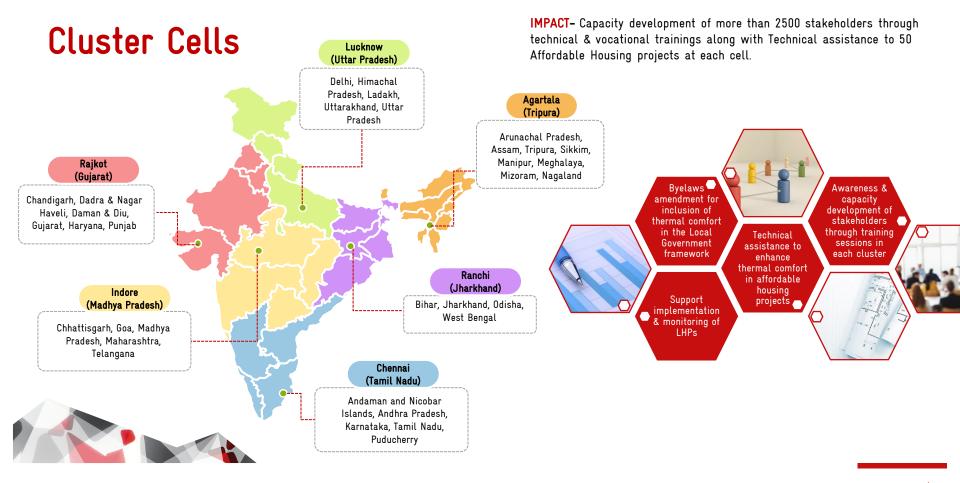
Technical assistance for Thermally Comfortable Affordable Housing Projects



4. Replicable Designs

Develop replicable designs for affordable housing typologies to be adopted by developers, architects, homeowners





Project Updates



https://ghtc-india.gov.in/



Constructing climate smart buildings (giz.de)



https://www.econiwas.com/



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Climate Smart Buildings (CSB-IGEN) Indo German Energy Programme

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