

1.Replicable designs for residential projects in India to bring paradigm shift in bringing energy efficient design by default

Project Name	Client	Scope of Work	Year
<p>Developing a Catalog of Replicable Design options for Energy Efficient Residential Buildings</p>	<p>Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH/</p>	<ul style="list-style-type: none"> ● Develop web-based tools that will help designers, builders and promoters of residential buildings to understand the ways of designing energy efficient buildings. ● Energy efficient design for residential buildings, bringing to the user sample designs with detailed simulations and identified criteria for measuring the performance of the building. ● Enable the user/ builder/ designer to easily adopt energy efficiency measures into construction with immediate impact. ● Designing of Climate Responsive Buildings in accordance with Eco Niwas Samhita (ENS) code and BEE star labeling for residential building standard. ● Develop a design template for building energy efficient homes, catering to: <ul style="list-style-type: none"> Various residential types Across different house sizes In different climatic zones across India ● Implement energy efficiency through: <ul style="list-style-type: none"> Energy efficient design implementing passive measures Selection of Low energy structure and materials Selection of efficient mechanical systems for thermal comfort ● Large scale implementation programs. ● Training and awareness programs of Energy Efficiency projects. 	<p>2019-21</p>
<p>Cluster Cell, Chennai, Tamil Nadu States and UT's Included-</p> <ul style="list-style-type: none"> ● Andaman and Nicobar Islands ● Andhra Pradesh ● Karnataka ● Kerala ● Lakshadweep ● Tamil Nadu ● Puducherry 	<p>Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH- Represented by German Development Cell, New Delhi</p>	<ul style="list-style-type: none"> ● Facilitate implementation and monitoring of Light House Project (LHP) in Chennai. ● Technical assistance to enhance thermal comfort in upcoming Demonstration Housing Projects (DHPs) and ARCS (Affordable rental housing complexes) or other public/private housing projects. ● Inclusion of climate resilience and thermal comfort requirements in building byelaws and Local Government framework ● Capacity development of Govt. officials and private stakeholders on thermal comfort for Residential Buildings and Affordable Housing. 	<p>2021-23</p>