



GeeCee Ventures Cloud 36

Location	: Ghansoli, Navi, Mumbai
Site Area	: 10,078.92 m ²
Built-up Area	: 34,171.10 m ²
Air-Conditioned Area	: 0 m ²
Non-Air-Conditioned Area	: 34,171.10 m ²
Typology	: Residential & Commercial building
Energy Consumption Reduction	: 81.23% reduction in energy consumption compared to GRIHA benchmark
EPI	: 25.43 kWh/m ² /year
GRIHA Provisional Rating	: 3 Star Rating (Version: 3.1)
Year of Completion	: 2020

The following strategies were adopted to reduce the building impact on the natural environment:

- 📍 **Sustainable Site Planning:**
 - 1,008 m³ top soil was preserved within the site and reused for landscaping.
 - Site was screened with 3 m high barricading; wheel washing was provided for vehicles entering the site and water was sprinkled on site to control dust pollution.
 - Building orientation was such that the buffer spaces like staircases & service ducts were provided towards south & west of each block.
- 📍 **Water Management:**
 - Reduction of 31% from the GRIHA base case has been demonstrated in building water demand by installing water efficient fixtures.
 - Reduction of 37.49 % from the GRIHA base case has been demonstrated in the landscape water demand.
 - Hessian cloths were used for curing structural columns and ponding technique was used for curing of slabs.
- 📍 **Energy Optimization & Occupant Comfort:**
 - For achieving visual comfort:
 - » More than 75% of the total living area is day-lit and meets the daylight factor as prescribed by SP 41.
 - » 100% of the outdoor lights have been connected with automatic switches.
 - For achieving thermal comfort:
 - » EPI reduction of 81.23% from the GRIHA base case has been demonstrated through the integration of high-performance systems.
- 📍 **Renewable Energy Technology installed on Site:**
 - 24 Solar hot water systems each of capacity 500 liters per day have been installed in the project.
- 📍 **Sustainable Building Materials:**
 - AAC blocks with 65% fly ash content by volume have been used in the project.
 - Kota stone and vitrified tiles were used as a flooring material in the building.
- 📍 **Waste Management:**
 - Multi-colored bins have been provided within the building to collect and segregate waste at source.
 - Central waste collection area has been provided for storage of segregated waste on site.

Integrated Design Team:	
Client	: M/s. GeeCee Ventures Limited
Project Coordinator	: Mr. Milind Khandare, Gee Cee Ventures Limited
Principal Architect	: Architect Hafeez Contractor
Landscape Architect	: Arun kumar Designers and Consultants Pvt Ltd
Structural Consultant	: Mahimtura Consultants Pvt Ltd
Electrical Consultant	: Integrated Technical Services
Green Building Design and Certification	: VK:e environmental