Milestone Experion Centre

Location : Behind 32nd Milestone, NH 8, Sector 15, Part 2, Gurgaon, 122001

Site Area : 7,287.08 m²
Built-up Area : 22,915.92 m²
Air-Conditioned Area : 22,915.92 m²
Typology : Commercial & retail

Energy Consumption Reduction : 50.34% reduction in energy consumption compared to GRIHA benchmark

Energy Performance Index (EPI) : 67.04 kWh/m²/year

Renewable Energy : Rated capacity of solar PV was installed on site 136 kWp and REC of 38,000 kWh/annum

GRIHA Provisional Rating : 5 Stars (V. 2015)
Year of Completion : 2018

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

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Sustainable Site Planning:
- The project site has been designed in accordance with all the applicable development control regulations and several basic services are present within the 500m walking distance.
- More than 50% of the site surfaces that are visible to sky have been soft paved and/or shaded by trees, china mosaic, pergolas and solar panels.

Water Management:
- Reduction of 66.31% has been demonstrated on building water use by installing water efficient fixtures.
- STP of MBBR technology of 106 kLD has been installed for treatment and reuse of waste water on site.

Energy Optimization & Occupant Comfort:
- 34% of total living area is day-lit.
- ECBC compliant energy efficient artificial lighting system.
- ECBC compliant envelope to reduce space-conditioning loads

Use of Low Energy Materials:
- More than 50% of the low energy materials are installed in the building.
- Reduction of 73.17% in the embodied energy by using flyash bricks for masonry construction.

Integrated Design Team:

Client : M. Ramachandran, Experion
Project Coordinator : Prabhat Yadav, Experion
Principal Architect : Sandeep Chawla
Landscape Architect : Design cell
Structural Consultant : H.K. Joshi
Electrical Consultant : Green horizon
Green Building Design and Certification : Green horizon