



IIM Kozhikode Campus

Location	: Kozhikode, Kerala
Site Area	: 1,02,210 m ²
Built-up Area	: 29,599.412 m ²
Energy Consumption Reduction	: 66.11% reduction in Energy Consumption compared to GRIHA benchmark
EPI	: 61.7 kWh/ m ² /year
GRIHA Provisional Rating	: 5 Star Rating (Version: 3.1)
Year of Completion	: 2019

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

📍 Sustainable Site Planning:

- Out of 1,119 existing mature trees, 107 trees were cut and 585 new trees were planted.
- Air pollution control measures such as site barricading, wheel washing facility and other appropriate measures were strictly adhered to during construction.

📍 Water Management:

- Reduction of 59.26% from the GRIHA base case has been demonstrated in the building water demand by installing water efficient fixtures.
- Reduction of 76.77% from the GRIHA base case has been demonstrated in the landscape water demand.
- Hessian cloth was used for curing of columns and ponding technique was used for curing of slabs.
- The project meets 100% of the water demand through reuse of treated water and collected rainwater.

📍 Water and Waste:

- Reduction of 50.16% from the SVAGRIHA base case has been demonstrated in building water demand by installing water efficient fixtures.
- Reduction of 53.44% from the SVAGRIHA base case has been demonstrated in the landscape water demand.
- Rainwater recharge pit of 1,14,290 litres capacity has been constructed on site.

📍 Energy Optimization and Occupant Comfort:

- Digital timer control has been provided for 100% of the outdoor lighting system.
- EPI reduction of 66.11% from the GRIHA benchmark has been demonstrated.
- 52.3% of the habitable spaces are day-lit and meet the daylight factors as prescribed by NBC code, 2005.
- 50 kWp solar PV panels have been installed on site.
- Solar hot water system (flat plate collector type) of a total of 16,000 lpd capacity was installed in the project.

📍 Sustainable Building Materials:

- Fly-ash bricks and AAC blocks have been used for walling in the project.
- Pozzolana Portland cement with 34.4% fly-ash content by weight has been used in plaster and masonry mortar.
- More than 70% of the materials used for internal partitions/ paneling /false ceiling /in-built furniture are low-energy.

📍 Waste Management:

- Multi-colored bins have been provided at every floor to collect and segregate waste at source.
- A dedicated place has been provided on site to store segregated waste prior to disposal.

Integrated Design Team:

Client	: IIM Kozhikode
Principal Architect	: Urban Architecture Works
Landscape Architect	: Vinyas
Structural Consultant	: Vintech Consultants
Electrical Consultant	: Kanwar Krishen Associates Pvt Ltd
Green Building Design and Certification	: Kalpakrit Sustainable Environments Pvt. Ltd