



AD3, Indian Institute of Technology, Hyderabad, Telangana



Location	: IIT, Hyderabad, Telangana
Site Area	: 11,645 sq.m.
Built up Area	: 18,857 sq.m.
Typology	: Commercial
Rating Category	: GRIHA Provisional Rating
Version	: Version 2015
Year of Award	: 2025
Client	: Indian Institute Of Technology Hyderabad
Green Building Consultant	: Godrej Green Building Consultancy Services

The following strategies were adopted by the project team to reduce the building impact on the environment:

Sustainable Site Planning & Construction Management:

- Air pollution control measures such as site barricading, wheel washing facility and exhaust height of DG set above average human height were strictly adhered to during construction.
- Total 966.23 cum soil was excavated and same was reused on site for landscaping.

Energy:

- EPI reduction of 51.25% from the GRIHA base case has been demonstrated through the integration of high-performance systems.
- Solar photovoltaic system of capacity 3.5 MW has been installed.

Occupant Comfort:

- More than 32.29% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by NBC 2005.

Water Management:

- Reduction of 73% from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 25.63% from the GRIHA base case has been demonstrated in the landscape water demand by installing efficient irrigation systems.
- Three Membrane Bioreactor (MBR) type STPs, each with a capacity of 650 KLD, were installed at the campus level for the project.

Sustainable Building Materials:

- Pozzolana Portland cement with 35% flyash content and gypsum were used in plaster and masonry mortar.
- AAC blocks have been used for walling in the project.

Waste Management:

- Centralized Organic Waste Composite pit of 1 Metric ton capacity has been provided in the project.
- Multi-colored bins have been provided for segregation of dry & wet waste.