



Boys Hostel Buildings + Dining Hall, IIT, Hyderabad



Location	: Hyderabad, Telangana
Site Area	: 37,673 sqm.
Built up Area	: 76,414 sqm.
Typology	: Institutional
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:

- Availability of amenities such as a ATM, grocery store, gymnasium, restaurant and medical store are located within the project.
- 3 nos. water bodies, reservoir, and bio-swales, have been provided in the project to cater to 100% run-off from the project campus.

Energy:

- EPI reduction of 51.58% from the GRIHA base case has been demonstrated through the integration of high-performance systems.
- The project demonstrates 25% offset of annual HVAC and internal lighting energy consumption through campus level solar PV farm of 3.5 MW.

Occupant Comfort:

- More than 75% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by NBC 2005.

Water Management:

- More than 50% reduction from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 85.31% from the GRIHA base case has been demonstrated in the landscaped water demand by installing efficient irrigation systems.

Sustainable Building Materials:

- Structural concrete minimum 25% replacement of OPC (Ordinary Portland Cement) with fly ash by weight of cement in building's structural system.
- AAC blocks with more than 40% fly ash content have been used for walling in the project.

Waste Management:

- Centralized waste collection facility has been provided in the project.
- Multi-colored bins have been provided for segregation of different types of waste.