



INTERNATIONAL HOSTEL AT JIPMER CAMPUS

Location	: Puducherry
Site Area	: 3,886.00 m ²
Built up Area	: 2,446.00 m ²
Typology	: Hostel
SVAGRIHA Rating	: 3 Star Rating
Year of completion	: 2021

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

🌿 **Landscape:**

- 49 new native trees have been planted on site.

🏠 **Architecture & Energy:**

- 79.70% of the total living area is day-lit.
- LPD of the project is 3.70 W/m², which is lower than the ECBC specified limit of 10.80 W/m² for hostel buildings.
- Thermal efficiency of the building envelope is 407.87 sq.ft/TR, which is higher than the final benchmark of 325 sq.ft/TR.
- Solar hot water system of 1000 LPD capacity has been installed.

💧 **Water and Waste:**

- Reduction of 71.47% from the SVAGRIHA base case has been demonstrated in the landscape water demand by installing efficient irrigation systems.
- Reduction of 65.73% from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Rain water storage tank of capacity 2,70,000 litres has been installed.

🏗️ **Sustainable Building Materials:**

- Low VOC and lead free paints have been used to maintain good indoor air quality.
- Reduction of 66.04% from the SVAGRIHA base case has been demonstrated in embodied energy by using precast panels with flyash for constructing external and internal walls

👤 **Lifestyle:**

- Dedicated resting room and toilets have been provided for service staff.
- Basic amenities such as park, market, community hall, pharmacy, cafeteria, school and temple are located within walkable distance from the site.
- Environmental awareness signage's have been displayed at various locations.
- Electric charging point has been provided to encourage the use of electric cars and reduce carbon emission.

Integrated Design Team:

Client	: JIPMER, Puducherry
Principal Architect	: Chief Architect CPWD, Chennai
Green Building Consultant	: Green Sketch Consultants, Chennai