



VIP REST HOUSE, Latur Aurangabad division



Location	: Aurangabad, Maharashtra
Site Area	: 6,811 sq.m.
Built up Area	: 1,459 sq.m.
Typology	: Hospital
Rating Category	: GRIHA for Existing Buildings (EB)
Version	: 1
Date of Award	: 4 October 2019
Client	: Government of Maharashtra
Integrated Design Team	: Public Works Department (PWD) Maharashtra
Green Building Consultant	: Shashwat Green Building Consultancy

GRIHA EB



3 STAR

The following strategies were adopted by the project teams to reduce the impact of the existing building on the environment:

Site Parameters:

- Trees preserved on site in the ratio of 1 tree per 80 sq.m.
- Preferred parking provided for electric vehicles provided.
- Strategies implemented over 6,135.5 sq.m. of site are to reduce the Urban Heat Island Effect.

Energy:

- Solar photovoltaic system proposed of 11 kWp to generate 17,052 kWh of renewable energy.

Water Efficiency:

- The total sewage water generated on site is 6.56 kiloliters/day.

Human Health and Comfort:

- Indoor comfort conditions measured in summer months; Dry bulb temperature= 29 - 30°C, Relative humidity= 25% – 30%, were compliant with benchmarks of the Indian Model for Adaptive comfort.

Social Benefits

- Provision of ramps at entrance and parking space for differently abled people.

Total energy offset
by renewables
= **33.9%**

Total reduction in
building water demand
= **5.7%**

TOTAL CARBON OFFSET BY THE PROJECT:

By planting native saplings & preserving existing trees: 1.98 ton/year

By conservation of conventional energy: 16.45 ton/year