



## REST HOUSE, Fardarpur Aurangabad division



|                           |                                             |
|---------------------------|---------------------------------------------|
| Location                  | : Aurangabad, Maharashtra                   |
| Site Area                 | : 10,235sq.m.                               |
| Built up Area             | : 790 sq.m.                                 |
| Typology                  | : Hospitality                               |
| Rating Category           | : GRIHA for Existing Buildings (EB)         |
| Version                   | : 1                                         |
| Date of Award             | : 30 April 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:

- Preferred parking provided for electric vehicles.
- Strategies implemented over 7,851 sq.m. of site are to reduce the Urban Heat Island Effect.
- Amenities such as bus stop, bank, pharmacy, restaurant etc. are available within 500 meters walking distance from the main entrance of the project.

### Energy:

- Solar hot water system installed of 200L to generate 2,630 kWh of renewable energy.

### Water Efficiency:

- The total sewage water generated on site is 0.67 kiloliters/day.

### Human Health and Comfort:

- Indoor comfort conditions measured in summer months; Dry bulb temperature= 28 - 32°C, Relative humidity= 64% – 59%, Daylight levels= 320 - 475 lux, Artificial lighting levels= 210 - 375 lux; and Indoor noise levels: 39 - 40 dB were compliant with benchmarks of the Indian Model for Adaptive comfort, SP41.

### Social Benefits

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

Total energy offset  
by renewables  
= **33.7%**

Total reduction in  
building water demand  
= **0%**

### TOTAL CARBON OFFSET BY THE PROJECT:

**By planting native saplings & preserving existing trees: 0.572 ton/year**

**By conservation of conventional energy: 1.1 ton/year**