



LAND RECORD OFFICE, Nadurbar Nashik division



Location	: Nandurbar, Nashik, Maharashtra
Site Area	: 545 sq.m.
Built up Area	: 120 sq.m.
Typology	: Commercial
Rating Category	: GRIHA for Existing Buildings (EB)
Version	: 1
Date of Award	: 3 October 2019
Client	: Government of Maharashtra
Integrated Design Team	: Public Works Department (PWD) Maharashtra
Green Building Consultant	:

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 provided.
- Strategies implemented over 417 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 photovoltaic system proposed of 20kWp to generate 31101 kWh of renewable energy.

Water Efficiency:

- The total sewage water generated on site is 0.30 kiloliters/day.

Human Health and Comfort:

- Indoor comfort conditions measured in summer months; Dry bulb temperature= 28 - 29°C, Relative humidity= 37% – 38% and Indoor noise levels: 38 - 40 dB were compliant with benchmarks of the Indian Model for Adaptive comfort, NBC 2005.

Total energy offset
by renewables
= 894.48%

Total reduction in
building water demand
= 0%

TOTAL CARBON OFFSET BY THE PROJECT:

By planting native saplings & preserving existing trees: 0.088 ton/year

By conservation of conventional energy: 33.54 ton/year