



CISF Group Headquarters

Location	: Ahmedabad
Site Area	: 19360 m ²
Built up Area	: 2771.37 m ²
Energy Consumption Reduction	: 60.93% over the Benchmark EPI
Energy Performance Index (EPI)	: 48.28 kwh/m ² /year
Renewable Energy	: 5 kWp solar PV panel installation
GRIHA provisional rating	: 3 Stars
Year of completion	: 2015

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

🌱 Sustainable Site Planning:

- Project is built on a densely vegetated site and priority was to preserve as many trees as possible.

💧 Water management:

- Building water consumption has been reduced by 53% from the GRIHA base case by installing water efficient fixtures.

⚡ Energy Optimization:

- A 5 kWp solar PV plant is installed, which meets 100% indoor lighting requirement

• Visual comfort:

- » Strong visual connection has been maintained between all the occupied spaces and public spaces.
- » 97% of the habitable spaces within the project are day lit.
- » All the openable windows face the vegetated area with in the project.

🏠 Sustainable building materials:

- 30% of OPC has been replaced with fly ash (by weight) in structural and non-structural application.
- All interior materials selected for the project have less carbon footprint. Block board doors and vitrified tiles with recycled content have been used.
- Indoor air quality is maintained by using 100% interiors finishes with No VOC or Low VOC.

Integrated Design Team:

Client	: The Group Commandant Central Industrial Security Force, Group Head Quarter, Odhav Circle, S. P. Ring Road, Ahmedabad-382415 Gujarat
Principal Architect	: Mr. Bakul Chandra (SCDC Associates Private Limited)
Project Management Consultant	: NBCC (India) Limited
Green Building Design and Certification	: SGS India Private Limited