



Central Information Commission

Location	: CIC Bhawan, Baba Gang Nath Marg, Munirka, New Delhi
Site Area	: 4653 m ²
Built-up Area	: 9770 m ²
Typology	: Office Building
Energy Consumption Reduction	: 60.3% reduction in energy consumption compared to GRIHA benchmark
Energy Performance Index (EPI)	: 55.5 kWh/m ² /year
Renewable Energy	: Rated capacity of solar PV installed is 35 kWp
GRIHA Provisional Rating	: 4 Stars
Year of Completion	: 2017

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

📍 Sustainable Site Planning:

- Natural topography of site was not hampered for construction activities; site services were planned according to the natural contours of site.
- Existing mature trees were preserved and additional native trees were planted on site.
- Top soil was preserved during construction which was later re-applied for landscaping work.
- Solar passive design strategies were adopted in the building. Narrow openings were provided for air to enter on each floor and after being heated up in the interior spaces; hot air would move up and released with the help of axial fans from the terrace.

💧 Water management:

- Reduction of 50% from the GRIHA base case has been demonstrated in building water use by installing water efficient flush and flow fixtures.
- Sewage treatment plant was provided for 100% waste water treatment on site.
- Drip and sprinkler irrigation system are used on site to achieve water efficiency in landscaping.

💡 Energy Optimization:

- Artificial lighting design has been done as per NBC norms.
- External shading with a combination of vertical fins and jaalis has been provided to restrict heat and glare through window openings.
- Double glazing units with optimum shading have been used to minimize heat gain in the internal spaces.
- Occupancy and daylight sensors are used to minimize energy waste.

☀️ Renewable Energy Technology installed on site:

- 35 kWp solar PV panels have been installed on site.
- Solar street lights have been installed on site for outdoor lighting.

🏗️ Renewable Energy Technology installed on site:

- Autoclaved Aerated Concrete (AAC) blocks have been used for external walls.
- Natural stone such as Kota stone and materials such as vitrified tiles, gypsum board and glass with recycled content constituted the low-energy material component in the interior spaces.

Integrated Design Team:

Client	: Central Information Commission
Project Coordinator	: Sakul Khanna, Renu Khanna & Associates
Principal Architect	: Renu Khanna, Renu Khanna & Associates
Landscape Architect	: Ritika Khanna, Renu Khanna & Associates
Project Management Consultant	: National Building Construction Corporation (NBCC)
Structural Consultant	: I C Syal, Syal & Associates
Electrical Consultant	: Renu Khanna & Associates
Green Building Design and Certification	: Scube Solutions