



Patna Divisional Office – II, LIC of India, Jeevan Ganga Building, Patna, Bihar



Location	: Patna, Bihar
Site Area	: 1,292.95 sqm.
Built up Area	: 2,583.83 sqm.
Typology	: Commercial
Rating Category	: GRIHA for Existing Buildings (EB)
Version	: V1
Date of Award	: 12 September 2024
Client	: Life Insurance Corporation of India
Green Building Consultant	: Green Sketch Consultants

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

Site Parameters:

- Amenities such as bus stop, restaurant, ATM, park and pharmacy are within 500 meters of walking distance from the main entrance of the project.
- Preferred parking was provided for electric vehicles in the project.
- Strategy such as paving of hard paved areas with SRI >50% was implemented over 642.16 sqm. (52.87%) of site area to reduce the Urban Heat Island Effect.

Maintenance, Green Procurement and Waste Management:

- Environment friendly cleaning chemical and pest control products were used for housekeeping purpose.
- Multicoloured dustbins were provided at source level to collect the segregated waste.

Energy:

- Energy consumption reduced from 3,64,456 kWh/year to 2,86,831.27 kWh/year (i.e., 21.30%).
- Solar photovoltaic system of 18 kWp capacity has been installed in the project.

Water Efficiency:

- Landscape water consumption was reduced from 252.72 kL/year to 0 kL/year demonstrating a reduction of 100% by planting native and adaptive landscape species.

Human Health and Comfort:

- 47% of living area meets the daylight factor requirements as prescribed in SP41.

Social Benefits

- No smoking signages were placed at multiple locations in the building.
- Display of green posters in the building interiors.
- Involving school students in green initiatives such as Harit Daan Diwas.