



Kharagpur Divisional Office Building, LIC of India, Jeevan Prakash, Malancha Road, P.O. Nimpura, Kharagpur-7213014, West Bengal



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

Site Parameters:

- Availability of amenities such as community centre, place of worship, pharmacy restaurant and school within 500 meters walking distance from the main entrance of the project.
- 2 numbers of EV charging points and 2 numbers of parking spaces for pooled vehicles were provided on site.
- 52.17% reduction in the Urban Heat Island Effect (UHIE) was achieved through measures such as shading hard-paved areas with trees and treating terrace areas with high-SRI tiles.

Maintenance, Green Procurement and Waste Management:

- Environment friendly cleaning chemical and pest control products were used for housekeeping purpose.
- Centralized storage facility was provided at site level to collect the segregated waste on site.

Energy:

- Annual energy consumption from was reduced from 2,50,894 kWh/year to 1,99,816.43 kWh/year demonstrating a reduction of 20.4% from the total energy consumption.
- Solar photovoltaic system proposed of 40 kWp to generate 41,046.4 kWh of renewable energy.

Water Efficiency:

- Reduction of 43.32% from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 97.45% from the GRIHA base case has been demonstrated in the landscape water demand by installing efficient irrigation system.

Human Health and Comfort:

- 35.84% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by SP41.

Location	: Kharagpur, West Bengal
Site Area	: 1,302.39 sq.m.
Built up Area	: 2,289.5 sq.m.
Typology	: Commercial
Rating Category	: GRIHA for Existing Buildings (EB)
Version	: V1
Date of Award	: 2025
Client	: Life Insurance Corporation of India
Green Building Consultant	: I-NAT GLOBAL