



Uttar Pradesh State Institute of Forensic Science, Lucknow, Uttar Pradesh



Location	: Lucknow, Uttar Pradesh
Site Area	: 30,905.10 sq.m.
Built up Area	: 26,393 sq.m.
Typology	: Institutional
Rating Category	: GRIHA Provisional Rating
Version	: Version 2015
Year of Award	: 2026
Client	: UP PWD
Green Building Consultant	: MAG Environmental Consultants LLP

The following strategies were adopted by the project team to reduce the building impact on the environment:

Sustainable Site Planning:

- Air pollution control measures such as site barricading, wheel washing facility and water sprinkling on fine aggregate were strictly adhered to during construction.
- More than 25% of the site surfaces exposed to the sky have been treated using a combination of shading from trees and high Solar Reflectance Index (SRI) paint.

Energy:

- EPI reduction of 74% from the GRIHA base case has been demonstrated through the integration of high-performance systems.
- Solar photovoltaic system of capacity 220 kWp has been installed.

Occupant Comfort:

- 52% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by NBC 2005.
- Low-VOC paint, containing less than 50 g/L of volatile organic compounds and free from lead, has been utilized in the project.

Water Management:

- Reduction of 33% from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 75.89% in landscape water demand from the GRIHA base case has been achieved through efficient irrigation system.

Sustainable Building Materials:

- 12.70% reduction in embodied energy by use of AAC blocks for internal and external walls of the project.
- Kota stone, granite, ceramic tiles and vitrified tiles were used in the project.

Waste Management:

- Centralized waste collection facility has been provided in the project.
- Multi-colored bins have been provided for segregation of dry & wet waste.