



Uttarakhand Niwas, New Delhi



Location	: New Delhi
Site Area	: 3,967 sqm.
Built up Area	: 7,670.44 sqm.
Typology	: Mixed Use Development
Rating Category	: GRIHA Provisional Rating
Version	: Version 2015
Year of Award	: 2025
Client	: Ar. Vishal Bindal
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:

- 68% of total external walls oriented towards unfavorable spaces are buffer spaces.
- 37 new native trees have been planted on site.

Energy:

- BEE 5-star rated fans have been installed.
- EPI reduction of 63% from the GRIHA base case has been demonstrated through the integration of high-performance systems.
- Solar photovoltaic system of capacity 50 kWp has been installed.

Occupant Comfort:

- More than 62% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by NBC 2005.

Water Management:

- Reduction of 59.93% from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 79% from the GRIHA base case has been demonstrated in the landscape water demand by installing efficient irrigation systems.
- Moving Bed Biofilm Reactor (MBR) type STP with a capacity of 25 KLD, was installed in the project.

Sustainable Building Materials:

- Pozzolana Portland cement with 35% fly ash content were used in plaster and masonry mortar.
- AAC blocks have been used for walling 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.