



## EROS Healthcare Pvt. Ltd, Karnal, Haryana



<b>Location</b>	: Karnal, Haryana
<b>Site Area</b>	: 4,675.85 sq.m.
<b>Built up Area</b>	: 9,096.45 sq.m.
<b>Typology</b>	: Institutional
<b>Rating Category</b>	: GRIHA Provisional Rating
<b>Version</b>	: Version 2015
<b>Year of Award</b>	: 2024
<b>Client</b>	: Omaxe Heritage Pvt. Ltd
<b>Green Building Consultant</b>	: MAG Environmental Consultants LLP

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

### **Sustainable Site Planning & Construction Management:**

- Air pollution control measures such as site barricading, gravel bed facility and covering of loose construction materials were strictly adhered to during construction.
- A total of 29 new native trees were planted on site after the construction activity.

### **Energy:**

- EPI reduction of 81.50% 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:**

- 49.60% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by SP41.

### **Water Management:**

- Reduction of 51.35% from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 79.82% from the GRIHA base case has been demonstrated in the landscape water demand by installing efficient irrigation systems.
- MBBR (Moving Bed Biofilm Reactor) technology with a capacity of 60 KLD was installed in the project.

### **Sustainable Building Materials:**

- AAC blocks with 65% fly ash content have been used for walling in the project.
- Vitrified tiles, PVC Vinyl and granite have been used as flooring materials in the project.

### **Waste Management:**

- Provision for waste collection has been made in the building.
- Dedicated space for storage of segregated waste has been provided on the site.