



## DIVISIONAL OFFICE (D.O) for IOCL at PANKI TERMINAL, KANPUR



<b>Location</b>	: Kanpur, Uttar Pradesh
<b>Site Area</b>	: 3,279.22 m <sup>2</sup>
<b>Built up Area</b>	: 1,390 m <sup>2</sup>
<b>Typology</b>	: Office
<b>Rating Category</b>	: SVA GRIHA Rating
<b>Version</b>	: Version 2.2
<b>Year of Award</b>	: 2022
<b>Client</b>	: INDIAN OIL CORPORATION LIMITED (IOCL)
<b>Green Building Consultant</b>	: ATKV CONSULTANTS PVT LTD – Ms. Anushtha

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

### **Sustainable Site Planning:**

- 54.65% of the total paved area on site was treated by use of grass pavers and shading by trees.
- 38 new native trees have been planted on site.

### **Energy:**

- 57.67% of the total living area is day-lit.
- LPD of the project is 6.37 W/m<sup>2</sup>, which is lower than the ECBC specified limit of 10.80 W/m<sup>2</sup> for office buildings.
- All ductable split ACs installed in the project are BEE 4-star rated.
- Thermal efficiency of the building envelope is 420.06 sq.ft/TR which is more than the higher threshold 300 sq.ft/TR.

### **Water Management:**

- Reduction of 71.66% from the SVA GRIHA base case has been demonstrated in building water demand by installing low-flow plumbing fixtures.
- Reduction of 26.90% from the SVA GRIHA base case has been demonstrated in landscape water demand by planting native trees.

### **Renewable Energy Technology installed on site:**

- Solar photovoltaic system of capacity 20 kWp has been installed.

### **Sustainable Building Materials:**

- 100% of interior paints used in the project are low VOC and lead-free.
- Flocked textile flooring, granite and vitrified tiles have been used as flooring material.

### **Lifestyle:**

- Most of the basic amenities such as grocery store, ATM, park, pharmacy, restaurant, and gym are in close proximity to the site.
- Dedicated resting rooms and toilets were provided for service staff working in the building.
- Environmental awareness posters have been displayed at various locations.
- E-vehicle charging facility was provided on site.