



# IOCL DO Office Building

<b>Location</b>	: Indore, Madhya Pradesh
<b>Site Area</b>	: 1484 sq.m.
<b>Built up area</b>	: 870 sq.m.
<b>Typology</b>	: Commercial
<b>SVA GRIHA rating</b>	: 5 star

The following strategies were adopted to reduce the building impact on the natural environment:



## Landscape

- Over 71% of the total open area on site is soft paved and shaded under trees.
- 21 native/naturalized trees have been planted on site.



## Energy

- Over 82% of total living area falls under daylight zone.
- Lighting power density of the project is 6.41 W/sq.m, which is lower than the ECBC specified LPD limit, of 10.80 W/sq.m for offices.
- 2 kWp solar photovoltaic panels have been installed on the roof of the building.
- All air-conditioners installed in the building are BEE 5-star; in addition VRV system has been used in the building.



## Water and waste

- Use of low-flow fixtures reduced the building water demand by almost 62% compared to SVA GRIHA base case.
- The project has been able to reduce its landscape water demand by almost 60% as compared to the SVA GRIHA base case.
- Rainwater storage tank of 16800 litre capacity has been installed on site to capture and utilize rainwater.



## Materials

- All interior paints are low-VOC and lead free.
- Over 94% of total interior area finishes are of low energy material.
- Over 86% flooring materials are low energy materials.



## Lifestyle

- A dedicated toilet and resting area has been provided for service staff in the office building.
- The project is taking initiatives to create more environmental awareness on green buildings and the environment.
- Waste water from the office is being recycled and reused for landscape irrigation.
- All cabins in the building have been installed with Occupancy Sensors to automatically control indoor artificial lights.

## Integrated Design Team:

<b>Client</b>	: Indian Oil Corporation Ltd.
<b>Architect</b>	: D. Vyas and Associates, Indore