



## Construction of Office Building for Punjab and Sind Bank

<b>Location</b>	: Gurugram
<b>Site Area</b>	: 2,247.57 m <sup>2</sup>
<b>Built-up Area</b>	: 2,271.21 m <sup>2</sup>
<b>Typology</b>	: Mix use building
<b>SVAGRIHA Rating</b>	: 2 Star Rating
<b>Year of Completion</b>	: 2019

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

### 🌿 **Landscape:**

- 56 new native trees have been planted on site.

### 🌿 **Architecture & Energy:**

- 83.96% of the total living area is day-lit
- LPD of the project is 5.6 W/m<sup>2</sup>, which is lower than the ECBC specified limit of 10.80 W/m<sup>2</sup> for commercial buildings.
- Thermal efficiency of the building envelope is 275 sqft/TR, which is equal to the secondary SVAGRIHA threshold (275 sqft/TR).
- Burnt flyash bricks have been used in building envelope.

### 🌿 **Water and Waste:**

- Reduction of 58.11% from the SVAGRIHA base case has been demonstrated in the landscape water demand.
- Reduction of 43.16% from the SVAGRIHA base case has been demonstrated in building water demand by installing low-flow plumbing fixtures.
- The site has rain water storage tank of capacity 30,772 litres.

### 🌿 **Sustainable Building Materials:**

- PPC has been used for structural concrete, masonry mortar and plaster.
- Reduction of 32.44% from the SVAGRIHA base case has been demonstrated in embodied energy by using flyash bricks for constructing external and internal walls

### 🌿 **Lifestyle:**

- Dedicated resting room and toilets have been provided for service staff.
- Basic amenities such as grocery store, ATM/Bank, park, metro station, gymnasium, restaurant and pharmacy are located within walkable distance from the site.
- Environmental awareness signages have been displayed at various locations.
- Occupancy sensors have been installed in the office spaces and toilets.

### **Integrated Design Team:**

<b>Client</b>	: Punjab & Sind Bank, Gurugram
<b>Principal Architect</b>	: S. K. Integrated, New Delhi
<b>Green Building Consultant</b>	: Mr. Udit Gaurav