



## ITC Kohenur, Hyderabad



<b>Location</b>	: Hyderabad, Telangana
<b>Site Area</b>	: 20,257 m <sup>2</sup>
<b>Built up Area</b>	: 49,594.99 m <sup>2</sup>
<b>Typology</b>	: Commercial
<b>Rating Category</b>	: GRIHA Provisional Rating
<b>Version</b>	: Version 3.1
<b>Date of Award</b>	: 2019
<b>Client</b>	: ITC Ltd.
<b>Integrated Design Team</b>	: ATKINS GLOBAL, Dubai
<b>Green Building Consultant</b>	: Environmental Design Solutions Pvt. Ltd.

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

### Sustainable Site Planning:

- Air pollution control measures such as site barricading, wheel washing facility and water sprinkling on fine construction materials were strictly adhered to during construction.
- All the utility corridors are consolidated along the proposed roads in order to minimize unnecessary cutting and trenching.

### Energy:

- 83.42% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by NBC 2005.
- EPI reduction of 82.24% from the GRIHA base case has been demonstrated through the integration of high performance systems.

### Water Management:

- Reduction of 53.91% from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 63.87% from the GRIHA base case has been demonstrated in the landscape water demand by installing efficient irrigation systems.
- Hessian cloths were used for curing of columns and ponding technique was used for curing of slabs.

### Renewable Energy Technology installed on site:

- Solar photovoltaic system of capacity 5 kWp has been installed.
- Solar hot water system of flat plate collector type of capacity 22,400 lpd has been installed.

### Sustainable Building Materials:

- Drywall has been used as internal partition.
- Gypsum boards and Mineral fiber boards have been used as false ceiling materials.
- 100% of paints, adhesives and sealants are low VOC.

### Waste Management:

- Central waste collection area has been provided for storage of segregated waste on site.
- Organic waste converter of 300 kg/day capacity has been installed on site.