University of Hyderabad, Gachibowli, Hyderabad

Case Study: University of Hyderabad, Gachibowli, Hyderabad

Type of System: On-Grid/Grid-Connected Rooftop Solar PV System

Roof Type: RCC Roof

Location: Hyderabad, Telangana

Project Capacity: 1000 kWp under CAPEX. Systems of various sizes were installed across 9 buildings located within the campus

- Administration Block I – 99 kWp
- Administration Block II – 51 kWp
- Life Sciences – 491 kWp
- Integrated Sciences – 102 kWp
- Humanities – 103 kWp
- Social Sciences – 102 kWp
- Health Center – 51 kWp

Minimum Expected Annual Generation: 12,00,000 units (kWh)

Date of Commissioning: August 2017

Environmental Impact: The solar plant is equivalent to planting 6,877 mature* trees and helps cut carbon emissions equivalent to 602 tons per year.

**Mature tree – 30 year old tree*

Economic Impact: Upon installation of the system we were successful in reducing their electricity bill by ~10% every month.

Electricity Bills		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
2017	Before PV	₹ 99,41,891	₹ 110,77,855	₹ 114,61,603	₹ 129,02,657	₹ 133,57,885	₹ 120,77,588	₹ 105,48,137	₹ 114,54,821	₹ 115,91,037
2018	After PV	₹ 85,63,635	₹ 98,49,167	₹ 100,08,196	₹ 119,53,226	₹ 119,53,226	₹ 113,22,507	₹ 101,63,286	₹ 109,45,644	₹ 107,60,352
Total Yield [kWh] from PV System										
2018	1000KWp Total	91500	106777	124870	129191	131028	113135	86771	88523	112900