

7.1.2 THE INSTITUTION HAS FACILITIES FOR ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES

ENERGY CONSUMPTION

1. Solar Energy: Our institution has alternate energy sources. The college's rooftop has been equipped with solar panels that can produce 40 kwh per day.

2. The college building is outfitted with ceiling lights, LED tubes, and bulbs for sustainable and effective use of electricity.

3. The college tells students to switch off the lights, fans, and other electrical appliances in the classroom as they leave in an effort to foster a sense of sustainability and conservation in them. Every day at the college, all of the teaching and nonteaching faculty members adhere to these guidelines.

Solar cell grid with 98 panels producing 40 kwh/day is commissioned. Till date nearly 3 MWh has been generated. On a daily basis 1/3 of the power is met with solar.

Solar cell-Grid connected photovoltaic power system of 246 KW capacities.

3 Panels will generate 4 KWH per day electricity (on a Sunny day)

Total 92 Panels are there in the picture given above Energy generated via solar (in Kilowatt / month) = (Number of panels divided by 3) X (4KWH) X (30 days)
= (92 / 3) X 4 X 30 = 26 X 4 X 30 = 3600 KWH

Our campus is lit with LED lights to minimize the carbon emission and to save energy. Whole campus area is equipped with LED lighting for saving energy.

S.NO:	SPECIFICATION	COUNT	TOTAL CONSUMPTION
1	20-watt LED	95	1900 Watt
2	50-watt LED	25	1250 Watt
		120	3.1 KW