



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

CRITERION 7 – Institution Values and Best Practices

Key Indicator - 7.1 Institutional Values and Social Responsibilities

7.1.2 The institution has facilities for alternative sources of energy and energy conservation measures:

- 1. Solar Energy**
- 2. Biogas Plant**
- 3. Use of LED bulbs/power efficient equipment**
- 4. Sensor based energy conservation**

1. Solar Energy :

Institute has installed Roof top Solar PV Plant of Capacity 10 kWp. For Hostel blocks, the Solar Thermal Hot water System is used. The capacity is 10000 LPD.



Solar Energy Geo tagged Photograph



Solar Thermal Hot water System Geo tagged Photograph

2. **Bio Gas Plant:** Our institute has a Biogas plant near to Mess/ Cafeteria which produces a renewable fuel by the breakdown of organic matter such as food waste.



Type	Degree	DMS	Weather
Latitude	18.21284	18°12'46"...	overcast clouds
Longitude	73.93591	73°56'9" W	23.0 °C

Biogas Geo tagged Photograph

3. **Use of LED Bulb:** Our Institute has replaced all incandescent and halogen light bulbs with compact fluorescent lamps (CFLs) or LEDs. ... LEDs are long-lasting light bulbs that use less energy than incandescent, halogen or fluorescent bulbs to provide the same light output saving Electricity.



Use of LED tubes in institutes

4. **Sensor based energy conservation:** Our institute has modified normal LEDs to sensor based energy system, In this whenever there is presence of human being light will glow to its maximum capacity otherwise it will stop glowing. This will help in energy conservation.

