



Alternate sources of energy and energy conservation measures

Solar Energy

The state is most encouraging at all levels to use the renewable energy sources.

Electricity manufactured (52 kWP on a bright sunny day) through solar panels is attached to the state electricity grid. Solar water heaters are installed in all hostels for supplying hot water to students. The solar energy takes care of 20 % of the total power supply we need.

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Energy conservation has been a top priority in our college campus and the following measure are taken

- Copper chokes in tube lights were replaced with electronic chokes. Now these tube lights are slowly replaced by LED tube lights
- LED street lights have been installed in our campus to save electrical energy
- Energy efficient fans and lights are installed in new class rooms and replaced with the existing ones in class rooms, in staff rooms, in hostels and in staff quarters
- ELCB (Earth Leakage Circuit Breakers) are being installed in all our Electrical Laboratories. Steps have been
 taken to install ELCB in each floor of the lecture buildings. Installation of ELCB, helps to cut off the power
 supply completely when not needed and prevent leakage of current when in use.
- A few Lecture classes are fitted with motion sensors, which will put off all the electrical fittings, fans etc. when nobody is present in the class. In addition to these motion sensors, the respective student class representative will put off the lights and fans when not in use
- A "Go Green Club" is functioning in our campus with two student representatives from each class, faculty
 and staff representative from each department, representatives from administrative and maintenance
 department as its members. They meet once in two weeks and conduct programs to create awareness about
 energy use and savings in the campus. Talks are arranged for students and staff on energy misuse and
 methods to conserve energy.
- Posters and placards on energy conservation are displayed in class rooms, computer labs and administrative office.
- Minor steps like shutting down computers when not in use, turning off computer monitors or other electric appliances at the end of the class or at the end of the day etc. are practiced.





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50 kW Solar Field - Various Views









50 kW Solar panel connected to the KSEB Grid













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Solar Water Heaters in Hostels











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NAAC Cycle 2

Criterion: 7.1.2

AUTO LIGHT-OFF SENSOR FITTED IN THE CLASS ROOM







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Criterion: 7.1.2

LED STREET LIGHT DURING DAY TIME





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Criterion: 7.1.2

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