

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures.

7.1.2 Solar Energy

To save the conventional energy, solar water heating systems and low energy consuming street lamps have been installed in the University Campus. The detailed description of these systems along with their locations of installations are given in the following table:

S.N.	Description	Location	Capacity	Date of installation	Installed by
1	Solar Water Heating System	New Hospital	6000LPD	Nov.2015	Green Tech. India
3	Solar Water Heating System	Girls Hostel	6000LPD	10.11.13	Cornic Technology Pvt. Ltd. (TATA)
4	Solar Water Heating System	International Hostel	7500LPD	Nov. 2003	Jain Irrigation Pvt. Ltd.
5	Low Energy Consuming Street Lamps	Road side	-	Various	Various





Solar Water Heating System



Solar Water Heating System

Solar Energy System



Solar Energy System



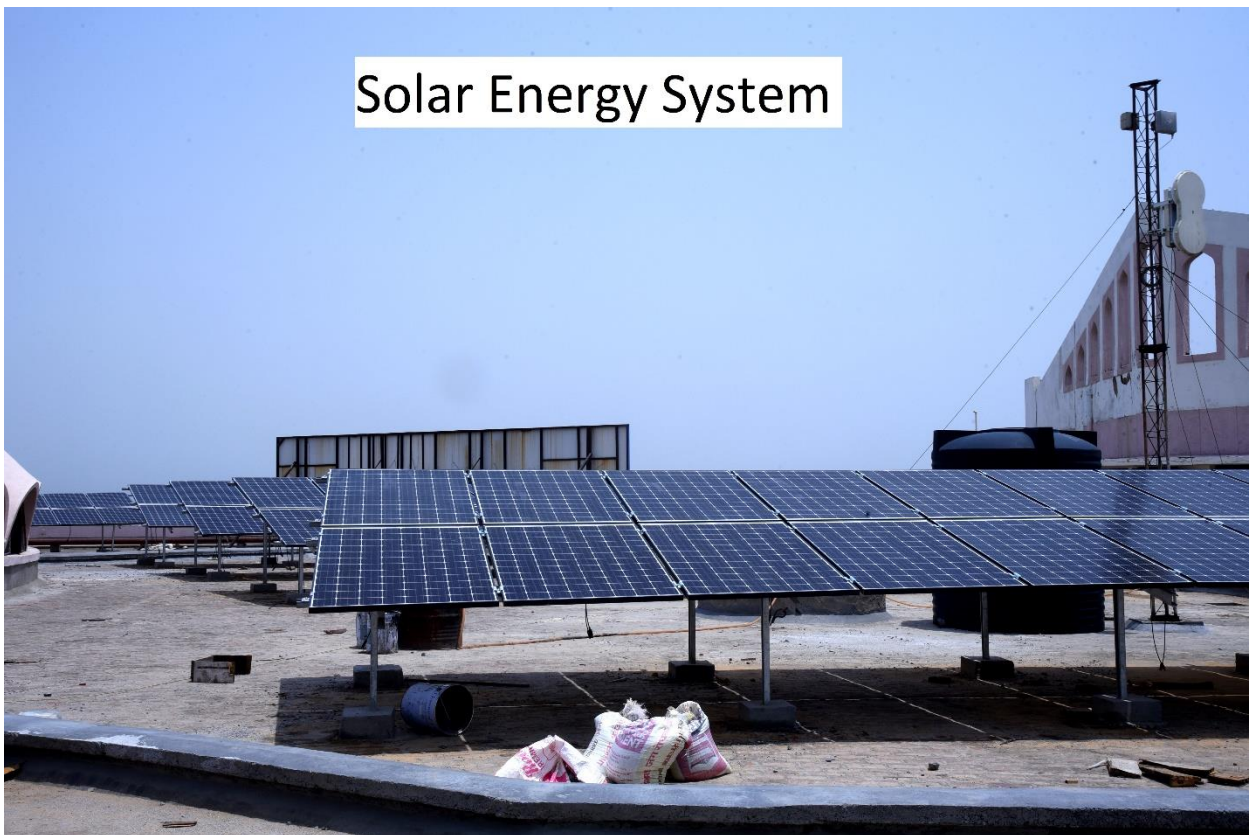
Solar Energy System



Solar Energy System



Solar Energy System



To economize the use of energy, following main systems are adopted:

- a) Adequate design of transmission and distribution system to limit the losses of electricity.
- b) Use of energy efficient devices like light sources such as true-lite.
- c) fluorescent lamps, compact fluorescent lamps and LED Lamps
- d) Use of capacitors at load centers to improve voltage and power factor to reduce the distributional losses and also to avoid penalty.
- e) Use of sensors/timers for common area/ passage lighting.
- f) Use of high efficiency motors.
- g) Installation of hydropneumatics system for domestic water supply pumping to the hospital to save energy.