

SAP Energy Management Committee Report

Shyam Lal College is well aware of the increasing gap between the energy demand and supply, the world is witnessing today and understands the importance of energy conservation. In its endeavour to conserve energy, SLC has taken some positive steps to reduce the existing energy demand:

- **USE OF RENEWABLE ENERGY RESOURCE**

The college has a fully functional 75 kWp rooftop Solar power plant since May 2017. On an average, this plant generates approx. 6000 units and is able to meet 42% of our peak demands. On non-productive days and holidays when the power demand is low, surplus power goes back to the Grid for which we get due credit as the balance amount is deducted from the monthly electricity bill.



Fig. Solar power plant installed in the SLC campus

- **USE OF ENERGY -EFFICIENT TECHNOLOGY**

In an effort to save energy, SLC has already replaced many fluorescent tubes and CFL by more energy efficient LEDs. Corridors, Principal's room and all the newly constructed classrooms have LED lights.

The newly electrical appliances are bought considering their star ratings.

- **GOOD PRACTICES**

The college practices regular switch off drives so as to save and conserve energy.

An Energy Management Committee, composed of 5 faculty and 19 students, has been constituted to further look for areas and practices to reduce energy use and manage it efficiently. The future plan of the committee includes:

- Complete replacement of old lighting devices with LED.
- Possible extension of capacity of solar power plant
- Energy saving by using sensor-based applications