

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following**

**ENERGY CONSERVATION**

Energy conservation refers to reducing energy by using less of an energy service. One of the primary ways to improve energy conservation in buildings is to use an energy audit.

Following Energy Conservation Methods have been adopted at the University campus:

- i) 20W CFL shall be used for each 40 W tubes for inter lighting.
- ii) Outer street lighting is completely on solar energy.

Likely saving of energy will be as follows:-

Load Distribution:

- 1. Total Internal Lighting Load = 350 KW
- 2. Water heating = 100 KW
- 3. Outer Lighting Load = 100 KW
- 4. Power Load = 645 KW

Total Load = 1195 KW

Saving:

- 1. By using 20 W CFL against 40 W tube lights (50%) = 175 KW
- 2. By using solar energy for heating water (50%) = 050 KW
- 2. By using solar energy for outer Lighting (100%) = 100 KW

TOTAL = 325 KW

Percentage = 27%

