



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

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Alva's Institute of Engineering and Technology has installed Solar Panels of 192 KW total capacity on the roof tops of two boys Hostel blocks and one Ladies Hostel block. Boys hostel block generates about 7710KWh power per month and College building block (New Engineering Block) generates about 15,000 KWh power per month in sunny days. The electricity generated from Roof top Solar Panel is fed into the electricity grid from 26/10/2018 through Photovoltaic Power plant. Solar Water Heaters are installed in Kaveri Ladies hostel block with the capacity of total 10,000 Litre installed in 31/05/2013.

Biogas plant of 2 Cu.mt is installed on 04/01/2021 near AIET Ladies hostel Block to generate biogas from kitchen waste.

AIET has been replacing normal lights with LED from last few years for inside and outsides of college and Hostel buildings. Further, AIET has initiated LED bulb manufacturing unit during 2023 and bulbs are made available for sale in the open market.



**PRINCIPAL**

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