



Adusumilli Gopalakrishnaiah & Sugarcane Growers Siddhartha Degree College of Arts & Science

Vuyyuru – 521165, Krishna District, Andhra Pradesh

(An Autonomous College in the Jurisdiction of Krishna University, Machilipatnam)

Accredited by NAAC with "A" Grade

ISO 9001:2015 Certified Institution

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website: <http://agsgsc.edu.in>

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

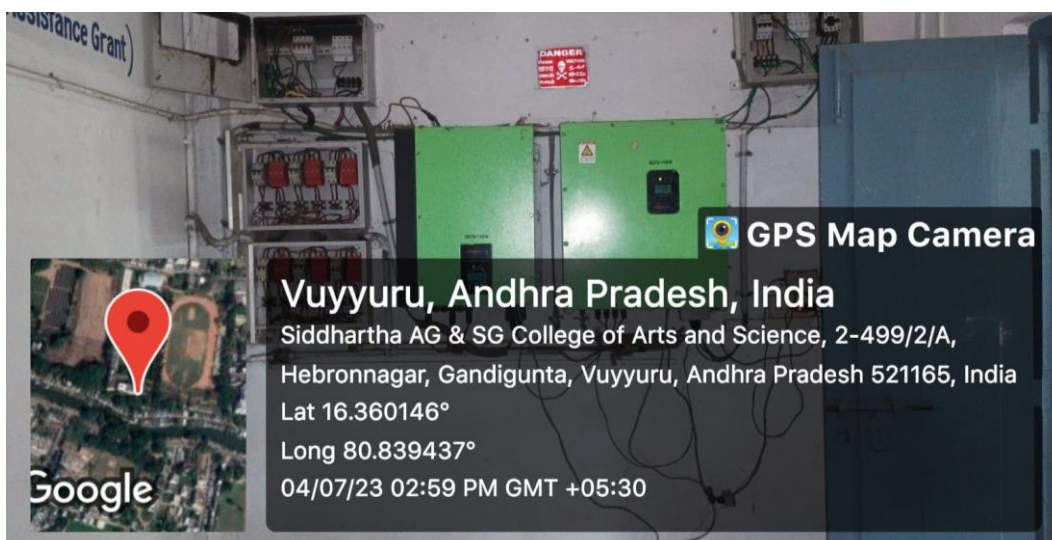
1. Solar energy: YES

Abundant and freely available sunlight is relied upon by solar energy as a renewable source of power. Unlike fossil fuels, which are finite and contribute to climate change, solar energy can be harnessed indefinitely without depleting natural resources. The scope of solar energy is vast and continues to expand rapidly. A.G. & S.G. Siddhartha Degree College of Arts & Science, Vuyyuru has installed 25 KV Rooftop Solar Power Plants to harness the solar energy since 2015. The geo-tagged photograph is shown below:



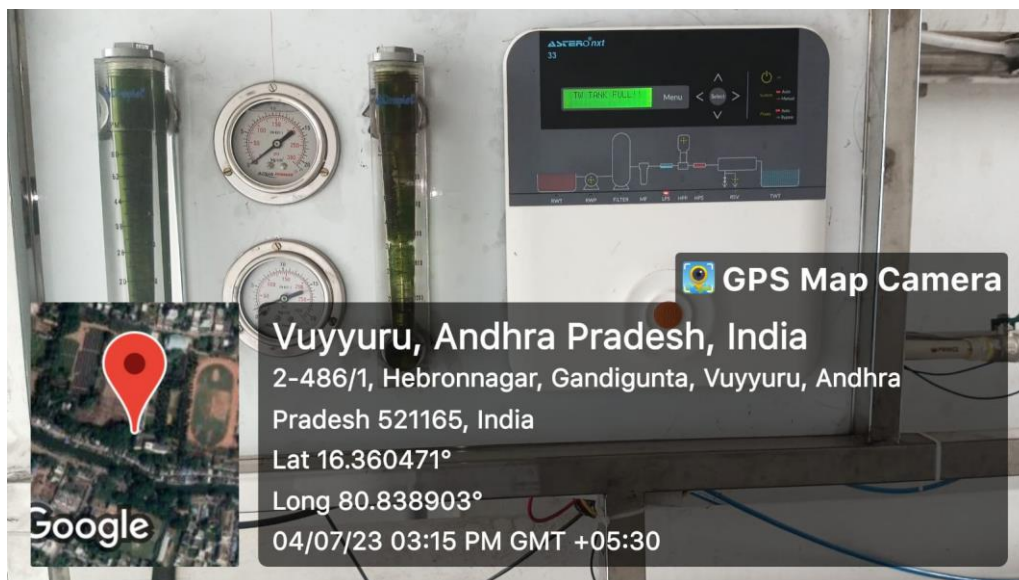
2. Wheeling to the Grid: YES

Excess (surplus) solar energy generated by rooftop solar modules are exported to the grid of electricity distribution utility (APSPDCL) through net metering and direct saving in electricity bills are availed from electricity distribution utility on monthly basis. The geo-tagged photograph is shown below:



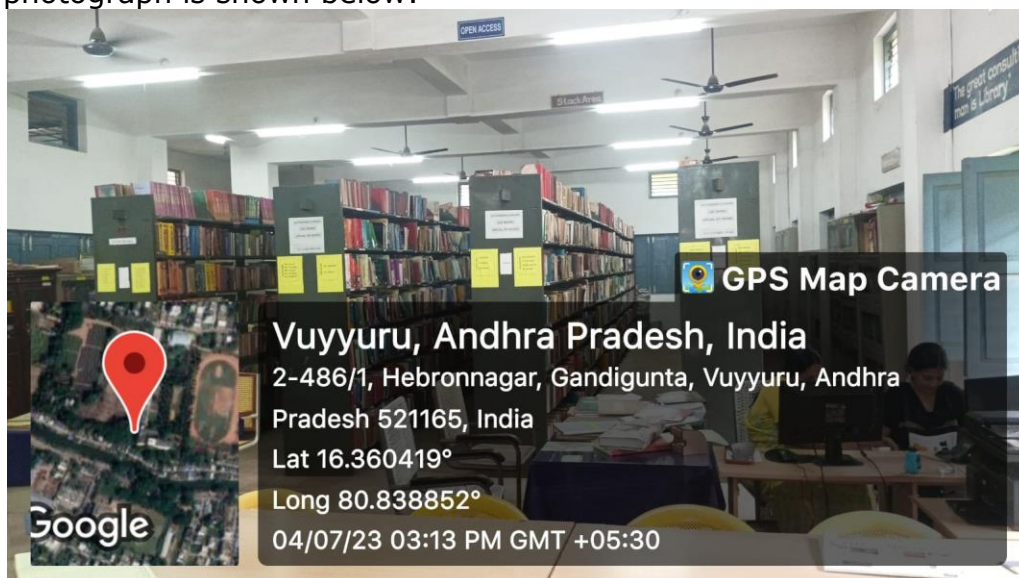
3. Sensor-based energy conservation: YES

The Institution focuses on efficiently utilizing electrical energy. The concept of automation of Electrical equipments is realized by using sensors. An automatic RO water plant incorporates advanced automation features for streamlined operation, enhanced efficiency and monitoring. These features can include automated control systems, sensors, valves, pumps and monitoring devices that regulate and optimize the water treatment process. The geo-tagged photograph is shown below:



4. Use of LED bulbs: YES

A.G. & S.G. Siddhartha Degree College of Arts & Science, Vuyyuru is conscious of using energy-saving sources. To support that, based on the requirement, our college is encouraging to use the above and hence 80% are LED bulbs on campus. The geo-tagged photograph is shown below:




Principal
Adusumilli Gopalakrishnaiah & Sugarcane Growers
Siddhartha Degree College of Arts & Science,
Vuyyuru-521 165, Krishna District.