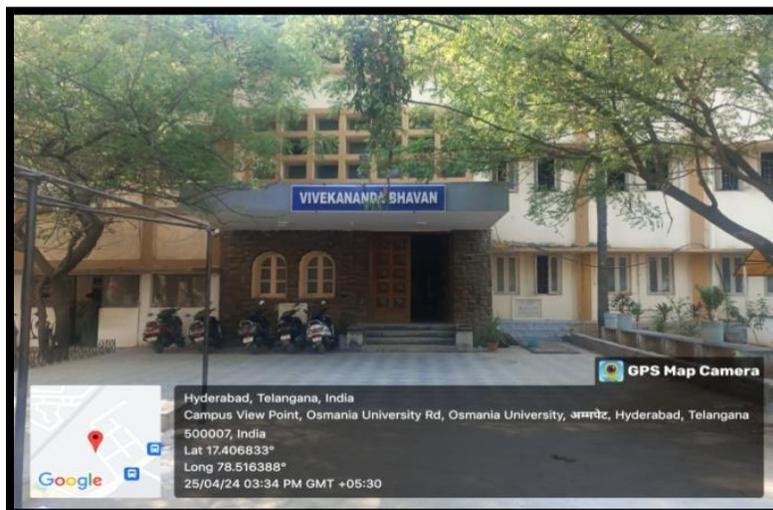




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7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures

- 1. Solar energy**
- 2. Biogas plant**
- 3. Wheeling to the Grid**
- 4. Sensor-based energy conservation**
- 5. Use of LED bulbs/ power-efficient equipment**
- 6. Wind Mill / any other clean and Green energy**

Andhra Mahila Sabha Arts and Science College for Women is dedicated to energy conservation and the adoption of alternative energy sources. The institution has implemented several measures to promote sustainability and reduce its carbon footprint, in line with its vision of environmental stewardship and responsible citizenship. Here's an overview of the initiatives undertaken by the college in this regard.

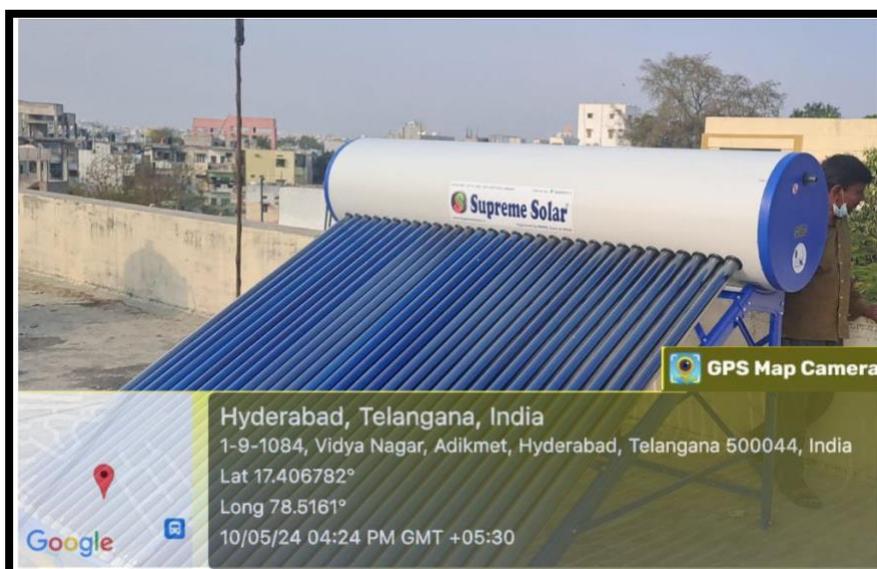


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Solar Energy:

The college has taken significant steps towards harnessing solar power. While solar panels are currently under consideration for future installation, solar heaters have already been installed in the hostel. This initiative aims to leverage renewable energy sources and reduce dependence on conventional energy sources.



Biogas Plant:

The institution has implemented a biogas plant to manage wet waste from the hostel mess and kitchen. This waste is utilized for compost preparation and biogas generation. Firstly, converting wet waste into biogas generates a sustainable source of energy for cooking and heating, reducing reliance on fossil fuels. Secondly, compost preparation enriches the soil with essential nutrients, improving soil fertility and promoting healthy plant growth. This sustainable waste management practice minimizes reliance on chemical fertilizers, reduces greenhouse gas emissions, and promotes a greener approach to waste management.



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Wheeling to the Grid:

The college is exploring the possibility of wheeling excess energy generated from its renewable sources back to the grid, contributing to the local energy supply and further promoting the use of clean energy.



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Sensor-Based Energy Conservation:

Sensor-based energy conservation measures are being considered to optimize energy usage across campus facilities. These sensors can detect occupancy and adjust lighting and climate control systems accordingly, minimizing energy wastage.

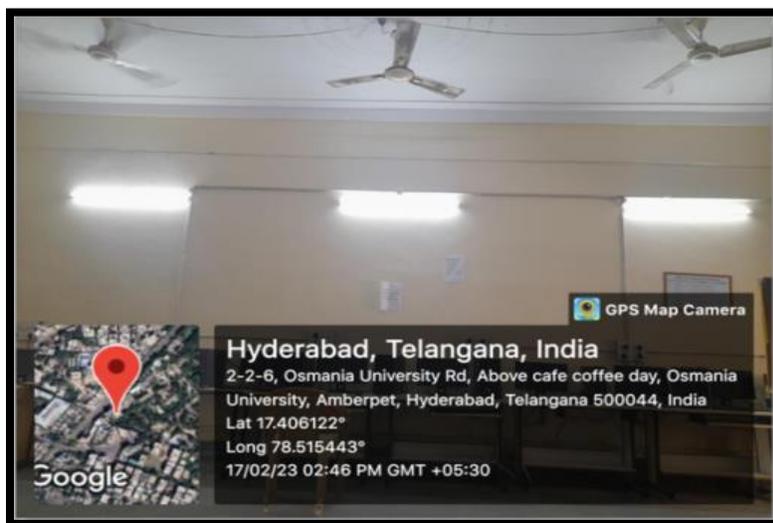


Use of LED bulbs/ power efficient equipment

In a proactive move towards energy efficiency, the college has installed LED lights across its campus. LED lights are known for their energy-saving capabilities and longer lifespan compared to traditional lighting solutions, contributing to significant energy conservation.



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The college has a big number of electronic and electrical equipments such as computers, LCD projectors, tube lights, CFLs, etc. for efficient use of electricity.

In other words, college makes use of energy-efficient Compact Fluorescent Lamps (CFL) by replacing Tube lights including street lights.

Through these initiatives, Andhra Mahila Sabha Arts and Science College for Women demonstrates its proactive approach to energy conservation and sustainability. By leveraging alternative energy sources like solar power and biogas, implementing energy-efficient solutions such as LED lighting, and engaging students in awareness-building activities, the college is making strides towards creating a more environmentally conscious and energy-efficient campus.

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