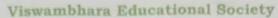
Environmental Consciousness and Sustainability 7.1.2

The institution has facilities for alternate sources of energy and energy conservation measures





VAAGDEVI PHARMACY COLLEGE

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The Institution has facilities for alternate sources of Energy and Energy Conservation Measures

1. Solar panels

• Solar panels are placed on the buildings for the use of renewable energy. Solar technology is used to perform energy conservation measures at our institution. Energy providers and utilities generate electricity on a vast scale to power the campus using solar photovoltaic and concentrating solar power technologies. To conserve energy, our management has used the following alternative sources. To combat climate change, solar photovoltaic systems are installed on our premises. A solar PV system is linked to the main electrical grid to enable power produced by solar panels.

S.No	Description	No.Of Items
1	No of Solar Panels	307
2	No of Inverters	3
	Rating of Inverter	33KVA
3	Capacity of Each panel	325W
3	Capacity of the plant	100KW

Annual power generated by renewable energy sources

S.No	Year	Total power requirement	Total Solar Energy supplied to the Grid KW
1	2022 - 2023	97480	28582

Principal





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Solar Energy Panels





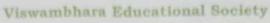
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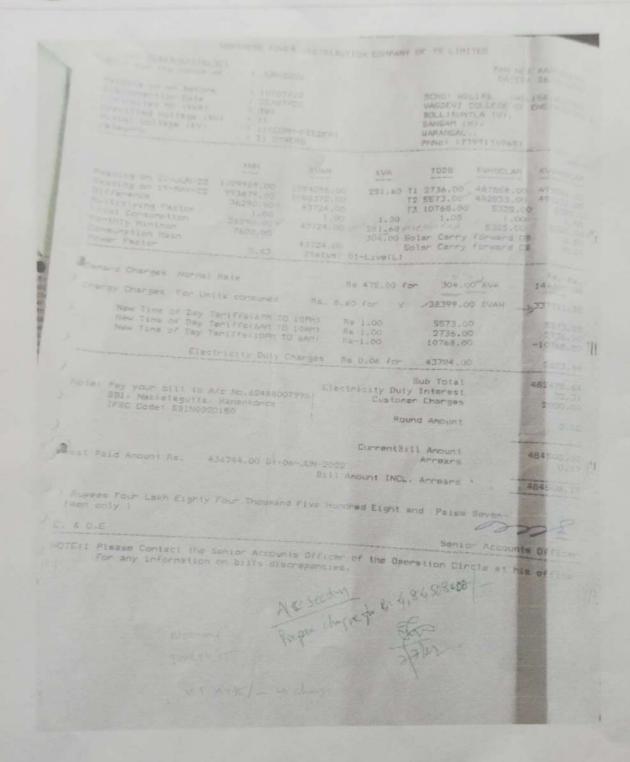






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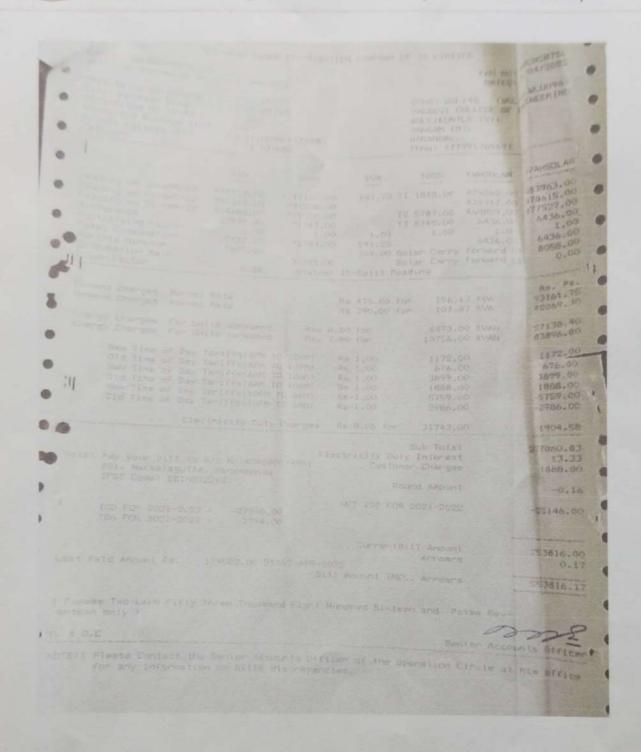






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5. Usage of LED BULBS/Power Efficient Equipment

Where consumption is higher, such as in the principal's chamber, laboratories, and staff rooms, LEDbased energy conservation was implemented. Occupancy LED lights indicate indoor activity at a specific location. By shutting off the lights as soon as the last person leaves the room, they both offer convenience and conserve energy. The placement of the occupancy LED must ensure that they can detect occupant activity across the whole building.

One benefit of having more daylight throughout the daytime in our institute's buildings is that it maximises visual comfort or uses less energy.









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SENSOR BASED ENERGY CONSERVATION

Sensor based energy conservation systems include smart control of electric devices with the transformation of manual system into smart system with the incorporation of embedded system.

It results in substantial energy conservation if properly used. Lights and fans are automatically turned off 3 minutes after the exit of the last person without manual operation. And the overflow of water tank has been made into remote controlled.

