



St. Mary's College, Thrissur-680020

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

Solar Energy

1	Solar Photovoltaic Power Plant of 50 KW on the College Roof Top	(185-230) KWh/day of electricity produced
2	1 KW solar PV in the Hostel	4 KWh/day
3	Solar Street lights in the College 18W*4 Hostel : 25W*4	30 Wh /day 400Wh/day
4	Solar hot water units of 500 LPD 4 Nos	2000 L of hot water at 80 °C for bathing and utensils wash

Solar Panels at College





Solar Panels at College Hostel



Solar Powered Lights in College





Solar Powered Lights in College Hostel



Solar Water Heater at College Hostel



Biogas

1	Biogas units of 15 m ³ Volume ,3 numbers in the hostel premises	45 m ³ of gas per day for cooking from kitchen wastes
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BIOGAS



Wheeling to the Grid

College has solar power panels installed in the roof top. After regular working hours and during holidays and vacations, power generated is supplied to Thrissur Corporation Electricity Department



Use of LED Bulbs and Power Efficient Equipment

Damaged ordinary tubes and CFL Bulbs are replaced by LED tubes and bulbs. Students are trained in making LED Bulbs and Tubes and the same is utilized

in the College. Training is also given to local community to create an awareness on energy conservation. Energy Star certified appliances are used to reduce energy use. Old fans and other electrical and electronic appliances are periodically maintained and inefficient ones are replaced.





Sensor Based Energy Conservation

The inefficient usage of electricity can result in wastage of energy. Hence to reduce energy consumption smart electrical system that integrates sensor technologies are used.





