




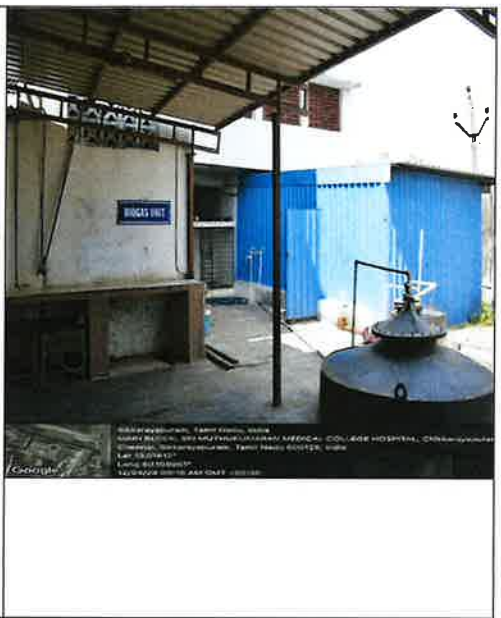




**SRI MUTHUKUMARN MEDICAL COLLEGE
HOSPITAL AND RESEARCH INSTITUTE
CHIKKARAYAPURAM, NEAR MANGADU, CHENNAI-
600069**

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

S. No	Name of the facility with location	Description	Geotagged Photo
1.	Solar energy <i>Location- Hospital block & college block – terrace</i>	The objective of using Solar Energy in the campus is to reduce CO2 emissions from the generating stations and to create any eco-friendly environment. The Solar Plant is equipped with 500 kW capacity which has 25KW * 4 Nos of roof top PV Panels, Microcontrollers and Inverter. The Solar plant supplies power in addition to the Power from the Grid. This reduces the burden on the Grid. The solar plant generates 500 kWh per day. This energy is consumed with in the campus and a partial amount is supplied to the grid	
2.	Biogas plant <i>Location- Near Men's hostel</i>	A biogas plant is a facility that provides oxygen-free conditions where anaerobic digestion can occur. Simply put, it's an artificial system where you can turn waste into sustainable energy and fertilizers, with positive effects on the environment	


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<p>3.</p>	<p>Wheeling to the Grid <i>Location- power room 1</i></p>	<p>The solar plant also sends the energy to the grid during low load conditions in the campus.</p>	
<p>4.</p>	<p>Use of LED bulbs/ power efficient equipment <i>Location- Hospital block College block</i></p>	<p>The campus is installed with energy efficient LED lamps. All the conventional florescent lamps are being replaced with LED lamps.</p>	


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