



AMALA COLLEGE OF NURSING

(An undertaking of Amala Cancer Hospital Society)

Amala Nagar P.O., Thrissur-680 555, Kerala, India.

Website : www.amalanursingcollege.org

FIRST CYCLE NAAC ACCREDITATION 2022

CRITERION 7

INSTITUTION VALUES AND BEST PRACTICES

7.1 Institutional Values and Social Responsibility

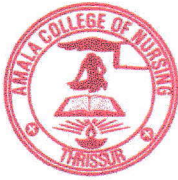
7.1.3 – The institution has facilities for alternate sources of energy and energy conservation devices – Report on alternate sources of energy and energy conservation

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Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



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THE INSTITUTION HAS FACILITIES FOR ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION DEVICES

SOLAR ENERGY

The solar power system installed in Amala College of Nursing is a '**on- grid solar power system**'. These systems transmit excess power generated by the solar power system to the utility power grid which is then utilized for other energy requirements in the AMALA campus. The solar panel system have been installed on the top of following **four** buildings;-

1. Amala College of Nursing
2. St Mary's Block
3. Chavara Block
4. Devamatha Hostel Block

The total energy generation from the solar panel system installed in Amala Campus is **660 units /day**. The total units of power used in Amala College of Nursing in 1 hour is 16 units and the average hours of energy consumption is 10 hours/day. So the total energy consumption is **160 units / day**

Automatic solar panel cleaning system comprising of patented sprinklers have been installed which reduces dust, dirt, leaves, bird droppings etc getting accumulated on the panels. This ensures **maximum efficiency**.

19/11/2022

Prof. Dr. RAJEE REGHUNATH
PRINCIPAL
AMALA COLLEGE OF NURSING
AMALA NAGAR P.O., THRISSUR-680 555





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SENSOR BASED ENERGY CONSERVATION

LED bulb with **day and night sensors** has been installed in the first and third floor of the college building. The system has a high quality light sensor in it, which switches 'ON' the plugged bulb at evening when the light intensity is less than 30 Lux and switches 'OFF' the plugged bulb in the morning when the light intensity is more than 70 Lux.

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NUMBER OF LED BULBS USED IN AMALA COLLEGE OF NURSING

No. of LED bulbs	Watts	Total Watts	Place
67	20	1340	Classrooms and labs
165	40	6600	
44	3	132	Office rooms and toilets
9	5	45	
11	9	99	
73	15	1095	Office and corridors
74	1	74	

NUMBER OF LED BULBS USED IN AMALA COLLEGE OF NURSING HOSTEL

No. of LED bulbs	Watts	Total Watts	Place
40	3	120	BSc Nursing Hostel
32	5	160	
3	0	0	
20	20	400	
64	40	256	

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