

NANDHA NATUROPATHY AND YOGA MEDICAL COLLEGE AND HOSPITAL

Recognized by Government of Tamilnadu

(Affiliated to The Tamil Nadu Dr. MGR Medical University, Chennai, Tamil Nadu
Pitchchandampalayam (P.O), Vaikkalmedu, Erode- Perundurai Road,
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ALTERNATIVE ENERGY RESOURCES AND ITS MAINTENANCE

POLICY ON ENVIRONMENT AND ENERGY CONSERVATION

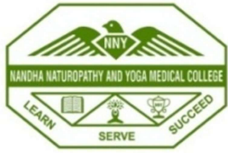
The Energy Conservation Policy of Nandha Naturopathy And Yoga Medical College And Hospital is to manage energy in such an organized way so as to reduce the impact of loss of energy crisis on the environment. The policy implies to explore the renewable energy resources to reduce the burden of the government and to find out substitute natural resources as solutions to the energy crisis. The policy helps to entrench efficiency and to create environmental awareness, thereby helps the citizens to realize the responsibilities and commitment in conserving of natural resources and limiting the usage.

Objective:

- ❖ To maximize the utilization of green energy
- ❖ To identify the cause for all forms of pollution and to make suitable solutions.
- ❖ To convert the campus into a renewable energy campus.
- ❖ To observe of various days of importance like world water day, environment day, etc

Policy Content and Guidelines

- ❖ Nandha Naturopathy And Yoga Medical College And Hospital will promote the use of cost-effective, renewable energy sources whenever possible, both in new construction and existing building renovations
- ❖ All buildings will continue to target energy efficiency improvement measures to the greatest extent through energy audits.
- ❖ Conduct awareness programmes among all the students and faculty member about the importance of energy conservation.
- ❖ Motivate students to do projects on Renewable Energy Sources and to assess the energy usage and to measure its impact on the environment.
- ❖ Monitor and control CO2 emissions and take NNYM Cessary steps to reduce it periodically
- ❖ Advocating all the vehicle users to use eco-friendly vehicles, including bicycles, public transportation and use of pedestrian-friendly roads.
- ❖ Installing photovoltaic solar panels for the generation of alternate energy.
- ❖ Periodic maintenance of Solar panel to keep up the efficiency of producing electricity



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- ❖ Energy efficient LED bulbs by replacing higher wattage CFL bulbs
- ❖ Cleaning the solar PV panel regularly to improve the power generation
- ❖ Conduct Energy audit every year by the external agencies to know the status of energy conservation and to proper energy management.
- ❖ Utilizing energy efficient green vehicles inside the campus
- ❖ Maximizing the usage of Bio gas for cooking at Canteen
- ❖ Maintaining all the electrical equipment periodically

Review of the policy:

- ❖ The status of various energy conservations will be obtained from reports of the auditing agencies and the corresponding measures will be taken for effective conservation of energy.
- ❖ Policy level changes also be done based on the audit report.

Solar power plant

Percentage of power requirement of the Institute supplemented by 50 kW renewable solar energy power plants has been installed at the top floor of Block IV with power earthing arrangements as per IE rule. Power rating of 50 KW solar energy power plant output is 250 units /day.

Solar Water Heater

Solar water heaters are installed both in boys and girls hostel.

LED Bulbs/Power Efficient equipment

Energy efficient LED bulbs are placed in a phased manner in all the laboratories, class rooms and road sides

Sensor Based Energy Conservation:

To regulate the utilization of water, sensor based devices are installed in the overhead water tanks and in open well.

Maintenance:

A Software (SMART NANDHA) has been developed by the faculty members to make entries on the maintenance required and the estate office team is looking after the work and ensures timely completion.