

SEVAYATAN SIKSHAN MAHAVIDYALAYA

A Govt. Sponsored College
Established in 1959



(Affiliated to VU & WBUTTEPA and Recognized by the NCTE: Letter No. ERC/7-87.6(1). 3/2008/11885)
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Ref. No. :-----

Date:-----

ENERGY POLICY OF THE COLLEGE

1. INTRODUCTION:

SEVAYATAN SIKSHAN MAHAVIDYALAYA teaches for the conserving energy for a sustainable future and also emphasises in providing its students a carbon-free environment friendly campus. The college follows a well-organised energy policy for monetary, environmental and social benefits which is described in the following passages -

2. MAJOR OBJECTIVES:

1. Conservation of Energy

2. Guidelines for Energy conservation:

i) Minimise the energy consumption by use of energy efficient equipment

ii) Maximum use of day light

3. Conservation of Water

2.1. CONSERVATION OF ENERGY

The conservation of energy is essential from an environmental perspective as it can help mitigate climate change, reduce pollution, preserve natural resources, protect ecosystems, and encourage sustainability.

Institutional Policy of energy conservation:

1. **Energy-efficient lighting:** At, Sevayatan Sikshan Mahavidyalaya, traditional incandescent bulbs are always replaced with energy-efficient LED lighting which consume less energy, have a longer lifespan, and provide better illumination.

2. **Energy-aware behaviour:** To raise awareness among students, faculty, and staff about the importance of energy conservation, Sevayatan Sikshan Mahavidyalaya regularly discusses and encourages turning off lights, computers, and other electronics when not in use and reminds everyone to conserve energy in their daily activities. The trainees are oriented and instructed to switch off the lights and fans at the time of leaving the classrooms. The last person to leave the room switch off the lights and fans is the everyday practice. All staff

members are encouraged to keep their computers in automatic "sleep" mode when they are not in use. The computers should be turned off when not in use for prolonged periods.

3. Energy-tapping maintenance: Regular inspections of electric appliances and timely repairs are done to avoid energy wastage. New items are purchased based on their energy efficiency.

4. Efficient Heating & AC System: To reduce energy consumption and to ensure efficient functioning, all the heating and Air Conditioning systems are regularly maintained at **Sevayatan Sikshan Mahavidyalaya**. Cleaning of air filters, adjustment of thermostat settings etc. are frequently done to reduce energy consumption. Air leaks in air-conditioning machine ducts and rooms are checked and rectified periodically by the maintenance department.

2.2 Use of Alternative sources of energy

1. Renewable Energy Sources: To supplement the institution's energy needs and reduce reliance on conventional energy sources, at **Sevayatan Sikshan Mahavidyalaya** College building solar panels for the water pump was installed at college and at the hostels. This enables us to reduce our electricity consumption about 60% of our monthly energy consumption.

2. Solar Water Heater: In the kitchen-cum-dining building solar water heater systems are installed which fully cover the need of the hot water throughout the year for cooking and bathroom use and reduces LPG and electricity consumption respectively.

2.3 Conservation of Water

Implementing water conservation strategies at **Sevayatan Sikshan Mahavidyalaya** helps reduce water consumption, lower utility costs, and simultaneously contribute to energy and environmental conservation also.

1. Fixing leaks: The Cleaning and maintenance staff must regularly inspect repair leaks in plumbing fixtures, pipes, and irrigation systems, knowing that even small leaks can lead to significant water wastage over time.

2. Water-waste preventing practice: To raise awareness about the importance of water conservation and encourage responsible water usage among students, faculty, and staff, **Sevayatan Sikshan Mahavidyalaya** organises frequent seminars, lectures etc.

3. Water-efficient fixtures: **Sevayatan Sikshan Mahavidyalaya** always tries to install water-efficient fixtures such as low-flow toilets, faucets, and showers. These fixtures use less water without compromising on performance.

4. Dual-flush toilets: For new set-up or replacement of the old ones, dual-flush toilets are installed that allow users to choose between a lower water volume for liquid waste and a higher volume for solid waste.

5. Rainwater harvesting: Having a vast green covering with varieties of trees, plants and herbs including flower garden, medicinal plant garden and vegetable garden, **Sevayatan Sikshan Mahavidyalaya** requires a thorough source of water supply throughout the year. To meet this requirement, a Rooftop Rainwater Harvesting Plant is installed. Another Ground Rainwater Harvesting Tank of approximately

50000 litres has been constructed besides the main building. The stored water is a reservoir for fire safety, rainwater in this tank is also used both for gardening and drainage cleaning as well.



6. Mulching: During hot summer the garden-in-charge monitors that gardeners are mulching around the hibiscus, rose etc. plant beds to retain soil moisture and reduce evaporation.

By adopting these water conservation strategies, institution has been significantly reducing its water consumption, contributing to sustainable water management, and setting an example for students and the broader community.

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