



KATWA COLLEGE

(Affiliated to the University of Burdwan)

Principal's Office,

P.O.: Katwa, Dist.: Purba Bardhaman, West Bengal, PIN: 713130, India.

Mobile: +918101078393

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7.1.2: The institution has facilities for alternate sources of energy and energy conservation measures

Policy for alternate sources of energy and energy conservation

Purpose:

This policy document on "Alternate sources of energy and energy conservation" describes the policies of Katwa college & provides guidelines for optimal & efficient usage of energy in the college premises promoting sustainability & responsibility towards society and environment.

Statement of Policy:

The policy of Katwa college is to promote responsible energy utilization, promoting sustainable development, by consciously adopting energy conserving practices. Katwa College will develop & adopt best practices to minimize wastage & over-consumption of energy. College is committed to compliance of all applicable laws & regulations. College will involve all the employees & other stakeholders in attaining excellence in practices leading to energy conservation & efficiency maximization.

Policy Objectives:

The long-term goals of Katwa College in adopting a Energy Conservation Policy are :

- To assess the energy usage and measure its impact on the environment
- To install photovoltaic solar panels for the generation of alternative energy
- To install LED bulbs in the entire campus to save energy

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

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- iv. To take additional measures to continually optimize energy consumption
 - v. To ensure availability of necessary resources to achieve the objective.
 - vi. To adopt usage of advanced technology to minimize energy consumption
 - vii. To encourage green initiatives promoting sustainable energy consumption
 - viii. To collaborate with government agencies, and local organizations to work in the areas of energy conservation and sustainable development
 - ix. To monitor and respond to emerging energy issues
 - x. To percolate awareness among employees and students towards best practices promoting optimal energy utilization
 - xi. To conduct energy audit periodically

Use of Alternate Sources of Energy :

- The college will promote use of alternate sources of energy such as Solar Energy and Biogas
- The college will procure and commission Solar Power Panels in its premises to meet the demands of electrical energy
- The college will wheel back to the suppliers grid any surplus power generated by Solar Panels
- Increase the use of LED Light

Policy Implementation by all stakeholders of College :

All employees and students of Katwa College shall comply with the following guidelines

Energy Conservation

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- Use Natural Light when and where possible
- Turn off light, fans and air-conditioners when not in use
- Turn off Computers, speakers, projectors and all other electrical equipment at the end of every working day
- Use power saving mode / sleep mode for computers when not in use
- Always set the Air Conditioner temperature at a comfortable level (preferably at 25°C for energy efficiency)
- Bring to the notice of faculties of Department malfunctioning of any equipment, switch, lights, fans and other appliances
- Participate actively in all awareness / promotional activities and events towards energy conservation
- Always use star-rated ISI certified electrical equipments

Policy Implementation by the Institution :

The Leadership of Katwa College shall comply with the following guidelines

Installation and procurement

- Procure and commission Solar Panels within the campus to tap solar energy for inhouse consumption
- Procure clean energy from electricity Supply from WBSEDCL to meet the energy needs of the campuses.
- Ensure that more than 50% of such energy procured is from renewable sources
- Installation of LED bulbs in all departments

Governance:

Energy Conservation

- Ensure proper maintenance of all electrical equipment, Water Equipment, STP, accessories and appliances

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- Ensure that purchased equipment are environment friendly and / or meet efficiency standards set by the Bureau of Energy Efficiency (BEE)
- Proactively take up installing new equipment for saving energy and water wherever applicable. This includes but not limited to
 - Installing LED Bulbs in place of CFL / Fluorescent Bulbs,
 - Installing sensor based energy conservation practices in all classrooms, laboratories, staff rooms, meeting rooms, toilets and other utility areas
 - Installing sensor based taps in all toilets
- Conduct Switch-Off Drills every day at pre-determined intervals and maintain a log register of such drills. This will be conducted in all depts. in Campus
- Support renewable and carbon-neutral electricity options during any purchasing process
- To select a nodal officer for College to monitor strict compliance with advisory

Awareness

- Conduct awareness campaign on energy conservation, through lecture sessions, webinars, street plays and seminars
- Conduct awareness program on sustainable development

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