

**ENVIRONMENT
AND ENERGY
POLICIES**



S. P. Sampathy's Siva Sivani Group[®]
S. P. Sampathy's Siva Sivani Educational Society (2906/97)

SIVA SIVANI DEGREE COLLEGE

(Affiliated to Osmania University)

ENVIRONMENTAL POLICY

SIVA SIVANI DEGREE COLLEGE recognizes the prominence of environmental protection and we are committed to withhold our environment responsibility in compliance with applicable standard requirements, environmental regulations and legislation specifically relating to the scope of certification, but carrying out all the services/ activities in environmentally responsible way and by providing a safe working environment to all the staff and student community, and other interested parties.

It is our motive to operate with, and to maintain healthy relations with all the regulatory bodies, and to carry out all measures reasonably practicable in order to continually improve our environmental performance.

We commit to:

- Assess and regularly re-assess the environmental effects of our equipment, procedures, working and operations
- Adhere to all relevant regulations concerning waste and environmental well-being
- Ensure that all supplier and sub-contracted operations are in-line with this policy, and that they are aware of their respective responsibilities in the environment
- Train, concerned staff regarding environmental problems and raise awareness and actively promote the establishment of a clean and healthy environment
- Minimize the production of waste and material wastage in all the processes.
- Minimize energy wastage by promoting the efficient and apt use of energy, water and other resources.
- Reduce and/or limit the production of pollutants to water, land and air.
- All waste will be disposed of under controlled conditions when re-cycling and/or the re-use of the materials is not an available option.
- Minimize risk to the general public, staff, students and other interested parties.
- Our commitment to the above environmental objectives is reinforced by our setting of measurable targets and objectives to reduce our environmental impact. We are regularly assessing our performance against these objectives and required measures are taken.



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This policy is communicated to members of management, staff, students, suppliers and subcontractors and is made available to any interested parties.

All personnel understand their obligations under this policy statement, and abide with the principles and contents of our Environmental Management System (EMS). We will constantly monitor and review our environmental performance and this Environmental Policy Statement in order to ensure its continuing suitability, and will implement improvements whenever appropriate
Our EMS Objectives and Targets:

Objective	Targets
Energy efficiency	Replace all incandescent lightbulbs and florescent tubes with LED bulbs and tubes by the end of 2024.
To achieve sustainability in water resources,	Install provision for water conservation including rainwater harvesting on the campus by 2025.
To achieve a 100% plastic waste-free and eco-friendly, campus by 2024.	Provide half yearly training and awareness program to college community, proper maintenance, and monitoring of waste management mechanism.
To minimize carbon footprint in transportation.	Replace all old vehicles owned by the institute with less polluting new generation vehicles by 2025.
To minimize the use for non-sustainable goods and services.	By promoting replacement at the end-of-life, purchase, and usage of resource-efficient products.
Visualize a Zero Carbon emission campus.	By installing solar power plants.



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ENERGY MANAGEMENT POLICY

PREAMBLE

Energy is now a dynamic part of everyday life and world's fastest-growing major economies, India will be a bulk consumer the global energy market.

Based on current policies, India's energy demand could double by 2040, with electricity demand potentially boosting as a result of increased appliance ownership and cooling needs. (India 2020 - IEA Analysis-Energy Policy Review). As per the Environment Policy 2020 of AICTE, that sets long term goals for educational institutes to conserve natural environment, develop sustainable solutions and control energy consumption, an educational institution has to evolve programs and policies that turns the institute into a carbon-negative institute and promote in educating students and employees on environmental concerns and sustainability, be responsive to the emerging challenges in the Energy sector and Sustainable development of the State and Country. So, it is essential for the educational community to practice sustainable energy that will provide favorable effect on the eco-system.

The Energy Policy of the Institution will thus be effective in organizing well-structured programs to promote awareness on the proper management and conservation of energy those models' resource efficient and low-carbon campuses that demonstrate practice for sustainability.

Energy Policy Statement

The SSDC energy policy articulates commitment of the Institution to the conservation of energy by defining energy management protocol for thermal and electrical energy systems of the institution, focusing on sustainable practices in reducing carbon footprint and other environmental impacts as per the norms of Energy Conservation and Management, for maintaining an eco-friendly green campus.

Instructions

- Always turn off the electrical devices and equipment's when not in use to save electricity to reduce CO2 emission
- Monitor the performance of the Solar Power plants installed regularly.
- Schedule and carryout preventive inspections and cleaning of solar panels for enhanced efficiency.



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- Introduce power-conserving lights and equipment's are installed to increase power saving.
- Turn off lights, fans, A/C, Smart Boards, projectors and all power-related items when not required.
- Turn off the computer CPU after the use.
- Ensure all the electrical devices and equipment's in the office, classrooms, laboratories, etc. are switched off before closing and leaving the premises.
- Always source energy efficient and certified electrical equipment's while purchasing or replacing electrical equipment's.
- Provide appropriate training to the operators of machines and equipment's to save electricity.
- Schedule and carryout preventive maintenance of all electrical equipment's including: DG sets, water pumps, air conditioners, water coolers, lab machineries and equipment's, etc.
- Ensure appropriate earthing procedures for electrical circuits.
- Periodically check the electrical circuits and protective equipment's to ensure safety and to avoid unnecessary power outflow.
- Generate energy from waste materials like biodegradable items.
- Reuse effluent water after proper treatment for conceiving natural resources.
- Conduct awareness session by the experts about energy management procedure among stakeholders.



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