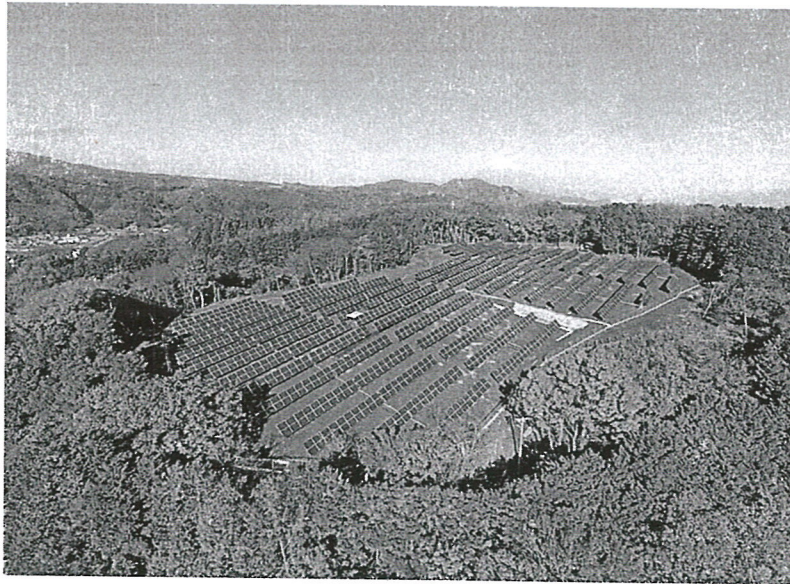


AC-28: Proceeding Annexure-I



**Banda University of Agriculture & Technology,
Banda-210 001 (UP)**



Policy Documents on Energy Uses



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Banda University of Agriculture & Technology

Banda-210001

Policy Document on Energy Usage

To manage Environment and Energy usage Policy Banda University of Agriculture and Technology, Banda, Uttar Pradesh (BUAT) genesis his energy policy to manage energy in such a systematic way so as to minimize its impact on the environment. The policy implies to explore the renewable energy resources to reduce the burden of the government and to find out alternate resources as solutions to the energy crisis. This environment and energy policy is binding for all the components of the university and applies to all its stakeholders and to the various activities undertaken by the institution. It will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage. Green Campus Committee is devoted to the cause of environmental awareness, to undertake green initiatives, and to conduct green literacy programmes to save energy and to protect the environment.

Context about Environment and Energy

The Banda University of Agriculture and Technology, Banda, Uttar Pradesh is committed to practice and maintain high energy and environmental standards in all of its activities, including teaching, research, and community involvement. The college is more ecologically conscious and has earned a reputation as a responsible institution. The biodiversity with a lush green vegetation and fauna with an equally maintained herbal and plant gardens is a testament to our credentials for maintaining high environmental standards.

Scope of policy

The University committed to address the issue of sustainability as a part of curricular and extra-curricular activities. The policy document will aid in the integration of efficiency and environmental consciousness into daily activities, allowing us to better understand our duties and ~~dedication to natural resource conservation and utilization.~~ University welcomes all kind of questions, suggestions, technology promotions and also promotes exchange of ideas to make a more risk-averse, resilient and a sustainable society. The university will take the lead in developing new ecological infrastructures frameworks for understanding the paradigm of sustainable development. We are anticipated to learn about new approaches, ideas, technologies, that could help put the sustainability drive into action. Banda University of Agriculture and Technology will continue to maintain be delightful institution for teaching, research, extension, sponsorship, and collaboration with different National and International Institutes such as ICAR, CSIR, SAUs, and state government as a result of the legislation and execution of this innovative policy, which will serve as a model for other institutions.

Purpose of Energy policy

The policy on Energy of the Banda University of Agriculture and Technology, Banda, UP is assemble to provide an overview of the university vision to minimize the environmental impacts of its activities and operation and sustainable management of the available resources. The policy, explain how the university would pursue environmental best practices and inspire the sustainable use of resources at the community level within and outside of different colleges

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premise. It lays out the concepts; delineate priority areas, and methods for the college's environmental plans' implementation, management, and evaluation. Its goal is to reduce energy and raw materials consumption that could jeopardize the sustainability measures being taken at college level. This policy will communicate the university administration's goals and objectives to university employees, students, and staffs, as well as aid in the creation of a better environment for future generations.

Principles

The Banda University of Agriculture and Technology, Banda, Uttar Pradesh is passionate about the environment and has implemented various sustainable environmental initiatives in its different college's campus. Various committees have been formed to carry out and oversee these tasks. The university has duly constituted an important committee to assess, manage and implement the college's policies in line with sustainable practices for example we have an active Eco-club, garden committee, Plant incubation centre, solid waste management committee, and other clubs/committees actively working at institutional level. We also on an annual basis undertake a mandatory "Green audit" as mentioned in the criteria-7 of NAAC.

Policies:

1. To assess our energy usage and measure its impact on the environment
2. To count CO₂ emissions generated by our means of transportations-vehicles
3. To reduce local air pollution emissions using environment-friendly vehicles
4. Including bicycles, battery vehicles, public transportation and use of pedestrian-friendly roads.
5. To install photovoltaic solar panels for the generation of alternate energy
6. To install LED bulbs in the whole university campus to save energy and atmosphere
7. To install systematic waste management mechanism to save energy and environment
8. To develop rain water harvesting ponds/unit to conserve the soil moisture
9. To develop tree plantation drive for clean environment and check the erratic soil erosion
10. To undertake additional measures to continuously improve our energy consumption
11. Maintain an environmental management system which is ISO:14001
12. To develop Energy Management System based on ISO:50001
13. Ensure the availability of necessary resources to protect the energy and environment
14. To motivate the use of advanced technology for minimize energy consumption
15. Atmospheric emissions and noise, particularly from our vehicle fleets
16. To engage in dialogue with the government agencies, municipal corporation and the affiliating university and actively work with the local organizations in the areas of environment, energy efficiency and sustainable development
17. To monitor and respond to emerging environmental and energy issues
18. To strengthen our employees and students environmental knowledge and skills in order to improve our own environmental performance
19. To provide information and training opportunities on energy saving measures
20. To offer opportunities for employees and students to engage in initiatives those contribute to environmental protection.

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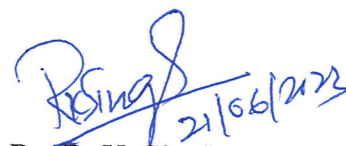

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21. To train our employees and students through our Enviro Club to make them 'Go Green' specialists and partners to plant trees each year

Action Plan of Energy Uses

1. Restructuring the Energy Management Cell with representation from all departments to ensure that the energy management programme is implemented effectively
2. Monitoring and benchmarking resource utilization and waste generation on a regular basis
3. Keep track of and analyze your energy efficiency
4. Establishing short and long term goals, as well as conservation methods, in order to meet and exceed zero-carbon Campus objectives
5. Use of energy-efficient equipment with a star rating
6. Maintenance and replacement of additional lights/lighting fixtures with LEDs on a regular basis
7. Maintaining a sustainable approach by extending the life of existing equipment and replacing it with more efficient equipment as necessary
8. Before going on to the Replace & Recycle stage, reduce e-waste as much as possible with good maintenance
9. Make the most of natural light for indoor illumination and ventilation
10. To save energy, employ occupancy sensors in classrooms, hallways, administrative offices, and toilets, as well as sensor-based switches for streetlights and corridor lighting
11. Optimal temperature settings for air conditioners and water coolers are fine-tuned
12. Increase the use of renewable energy by installing a Grid Interactive Solar PV System on campus
13. Appropriate reactive power management maximizes demand
14. Encourage students to work on UG and PG projects related to energy management, energy optimization techniques, and renewable energy harvesting, in order to raise knowledge about energy usage and cost
15. Provide energy management and energy auditing training to staff and students
16. Develop project-based learning methodologies for energy conservation and management courses in collaboration with industry


21/06/2022

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