



DEVI AHILYA VISHWAVIDYALAYA, INDORE

GREEN UNIVERSITY POLICY





“ARISE! AWAKE! AND STOP NOT TILL THE GOAL IS REACHED”.

-SWAMI VIVEKANAND

Preamble

Sustainable energy and environment are the two biggest concerns for human race in order to provide a clean and healthy life for generations to come. Energy and Environment are two sides of a coin. Energy plays a vital role in the holistic development of nations and the environment. India is the fifth largest consumer of energy with very low per capita energy consumption. Energy is the most important criteria for unhampered growth of human race but on the other hand uncontrolled use of fossil fuels has degraded the environment.

The past century has seen an unprecedented economic growth across the globe. Population explosion and growing economy has put great pressure on the existing resources of energy and has lead to degradation of the environment. In order to sustain environment for the future, India's National Environment Policy (2006) commits to protect the environment as mandated in Articles 48A and 51A (g) of the Constitution of India. The National Environment Policy emphasizes that a sustainable development is one which respects ecological constraints and social justice. While conservation of environment is necessary for securing the livelihood of all, it is also necessary to explore renewable sources of energy to make sure the lack of energy does not become an obstacle in the path of development. The Energy Conservation Act enacted in 2001 provides for efficient use of energy and its conservation and for matters connected therewith.

The National Environment Policy emphasizes on:

- Conservation of environmental resources
- Integration of environmental concerns in economic and social development
- Efficient usage of resources
- Enhancement of resources for environmental conservation.

The National Environment Policy highlights that it is not the responsibility of the state alone to maintain clean and healthy environment but also that of every citizen, there by encouraging the participation of each individual as well as organizations in maintaining and enhancing the quality of the environment.

The Devi Ahilya Vishwavidyalaya's Green University Policy (DAVV-GUP) is crafted to contribute in environment protection and efficient use of energy through its various wings such as teaching, research, administration and student support groups. The University is dedicated to spread awareness towards energy conservation and environment responsibility. Thus, DAVV-GUP assures that the protection of environment, efficient use of energy, use of more renewable energy and decreasing dependency on conventional sources of energy remains the motivation behind all our actions and activities

PURPOSE

The DAVV-GUP underlines the best measures in the sphere of environment protection and energy conservation. It accentuates the priority areas, methods and measures of implementation and the evaluation of the environment and energy plan for the university. DAVV-GUP will serve as an excellent model for how universities can take the leadership in the sustainable development of the university as well as the community at large. The enactment and implementation of the visionary DAVV-GUP will help in the protection of environment as well as conservation of energy in the long run.

CONTEXT

Devi Ahilya Vishwavidyalaya is committed for excellence as reflected in the wide range of its activities concerning academics, research and social responsibility. The University has strongly focused on environment and energy research and is a flag bearer of many innovations in the field of energy and environment. The Green Campus Policy of the university has added to its credentials in this area. The University believes in taking the responsibility for environment protection and energy conservation of the community as a whole.

The University understands the dilemma that has been posed by the struggle between the fast paced development and the need for a sustainable environment. Therefore, DAVV wants to set an example by generating innovative ideas in the field of sustainable development. The University desires to act as a repository of knowledge for providing solutions to a vast array of issues concerned with energy and environment.

In a nutshell, the Green University Policy aims to create a model of sustainable energy and environmental management. The University aspires to base its growth on the 3 R's - REDUCE, REUSE, RECYCLE.



OBJECTIVE

To develop and maintain clean, green and sustainable campuses of Devi Ahilya Vishwavidyalaya, Indore.

PRINCIPLES

In accordance with DAVV-GUP, the University shall:

- ④ Make sure that environment will not suffer as a result of activities conducted by the University. This includes conservation of natural resources, conservation of energy, protection of biodiversity and habitat and measures to preserve degraded natural components.
- ④ Provide safe and healthy environment for students and staff.
- ④ Ensure conservation of all types of energy sources and promote use of renewable energy resources.
- ④ Ensure that the University follows all applicable environmental and energy regulations.
- ④ Develop regular auditing and monitoring procedures.
- ④ Ensure the use of Star rating equipments.
- ④ Encourage multidisciplinary researches related to environment and energy issues at local, national and global levels.
- ④ Increase awareness among the university community as well as local community by sensitizing people on how small changes in their lifestyle can collectively contribute in conservation of energy and environment which will ultimately improve the quality of life as a whole.

Goals and Tasks

Energy Efficiency and Conservation



The University shall conserve energy by minimizing its usage and shall make the most of the use of renewable resources of energy. The University shall conduct energy audit of all buildings in the DAVV campus. The University will implement measures to conserve energy and maximize energy efficiency. It will carry out continuous monitoring of the implemented measures to improve the efficiency and avoid the energy loss.

Renewable Energy Sources



The University recognizes the importance of renewable sources of energy. In order to be a leader in energy conservation techniques, University will install solar power packs on all buildings of its campus in a phased manner. Solar water heating systems will be installed in the hostels. Solar distillation plants for distilled water in selected departments will be installed. Solar powered street lights will be installed.

Green Building



The University will develop its new buildings on the Green Building Concept. The University shall ensure that the potential environmental impacts of its buildings be periodically assessed and minimized. The buildings of the University shall be equipped with rain water harvesting systems. It will also include water conservation, purification, recycling and appropriate use in University buildings. It shall construct artificial ponds for storage of rain water. It shall incorporate day lighting systems in its buildings. Existing roofs shall be converted to Cool Roofs.

Solid Waste Management



The University aims to reduce the generation of wastes in all possible manners. This will be done by Reducing the acquirement of new material, Reusing and Recycling of the existing materials - 3 R Concept. The University shall implement the Two Bin Concept in its campuses. It shall design and construct the vermin-culture system for bio-manure. Biomethanation plants shall be installed in hostels for utilising waste vegetable and food. The University shall devise a mechanism for transforming waste into a resource. The University commits itself for safe disposal mechanism of hazardous laboratory waste.

Conservation of Biodiversity



Rampant urbanization has brought many plant and animal species under the danger of extinction. The University shall endeavor to have minimum 33% green cover that can act as a refuge to endangered species. The University shall plant suitable species of trees to attract different species of birds. A complete database of plant species shall be maintained and regularly updated.

Carbon Footprint Reduction



The University is committed to reduce its carbon footprint through all possible ways. Measures will be taken to reduce the emissions of carbon-di-oxide and other green house gases into the atmosphere. It shall regularly monitor the carbon emission into its atmosphere and take steps to reduce it.

Certification



The University has a vision to adopt standard environmental management practices and obtain certification of the fact. It aims to obtain Star rating for buildings and ISO 14001. It shall encourage purchase of Star rated and ISO 14000 goods and services.

Transport



The University is committed to mitigate the harmful effects of its traffic on the environment. It shall encourage the staff and students to walk, use bicycles and public transport and discourage the single occupancy private vehicles. University controlled vehicles will be operated in an eco-friendly manner.

Education, Training and Awareness



The University shall promote the awareness of environment and sustainable development issues amongst its staff and students. It shall include the environment and sustainable development matters in the academic curriculum. It shall organize trainings and workshops for staff and students on environment management and energy conservation issues. It shall make efforts to make University “Paperless” through digitization.

Implementation of the policy



To implement the Green University Policy:

- The University shall set up a Committee on Environment and Energy Affairs consisting of the academic and administrative staff and students.
- Budget shall be sanctioned by the University for the Effective Implementation of DAVV-GUP.
- Chairman of the Committee on Environment and Energy Affairs shall act as In-charge for Green University. The In-charge Officer shall take necessary actions on the complaints and suggestions received from the campus residents.

The role of Committee on Environment and Energy Affairs shall be to:

- a. Oversee the implementation of DAVV-GUP in the University.
- b. Periodical review of the University policies to ensure consistency with DAVV-GUP.
- c. Seek funding for environmental initiatives.
- d. Monitor the progress in each of the priority areas. Experts shall be consulted whenever required.
- e. Identify matters that require immediate attention and develop a work plan to achieve desired result.
- f. Formulate and publicize Do's and Don'ts among the staff and students.
- g. Carry out regular environmental audits and pilot projects.

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