

Wet Waste management: STP Plant-01; 0.75 MLD



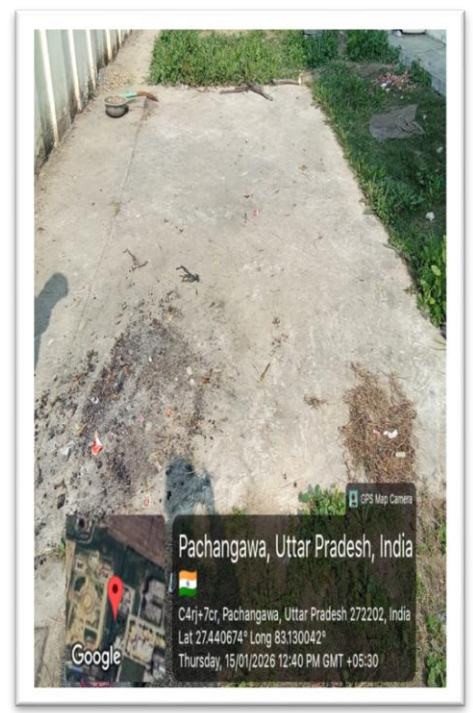
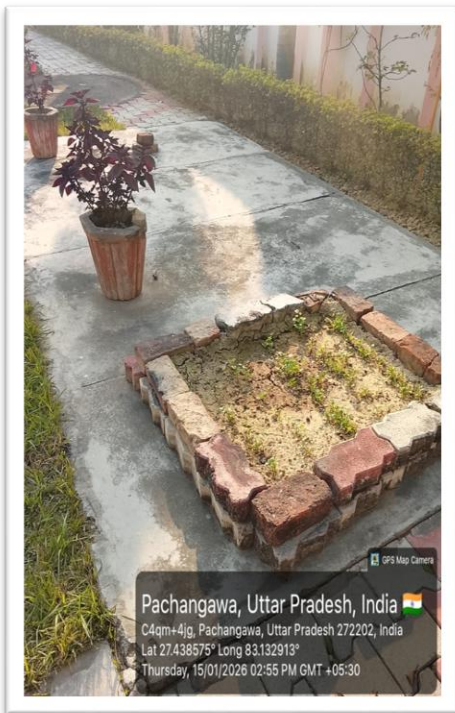
Waste Water Recycling and Distribution



Rain Water Harvesting



Surface Runoff Harvesting System



POLICY FOR ENVIRONMENT AND SUSTAINABLE
CAMPUS



**SIDDHARTH UNIVERSITY,
KAPILVASTU, SIDDHARTH NAGAR,
UTTAR PRADESH, INDIA-272202**

Veena

U.S.P.

Anubita

Preamble: Siddharth University, located in the land of Lord Buddha, was established as a state university in June 2015 at Kapilvastu, Siddharth Nagar, Uttar Pradesh, India. The University aims to inspire and educate young minds by combining traditional knowledge with contemporary education. This institution of higher learning is committed to providing the world with qualified and skilled individuals with strong moral and ethical values. The University serves all sections of society. It provides assistance to socially and economically weaker groups through low-cost education and scholarship programmes. The institution has earned its reputation for academic excellence and is on its way to becoming one of the leading destinations for higher education.

The University's vision is to become a global centre for the creation and sharing of knowledge through scientific inquiry into various areas of human existence, based on the Noble Eightfold Path and the principles of service to humanity. The University's motto, '**atta deepo bhava**', translates as "**be the light to oneself**". This motto encourages individuals to strive for self-realization and to perceive the world illuminated by their own insights.

Context: Siddharth University strives to maintain and implement excellent environmental standards in all its endeavors, including education, research and community engagement. The University has a strong ecological awareness and is recognized as a responsible University. The rich biodiversity, characterized by thriving greenery, bird movement including migratory birds and the plan to develop a botanical garden, introduction of RET plants in the campus as part of the university greenery, highlights Siddharth University's commitment to high environmental standards.

Scope: The University is committed to maintaining and, where possible, improving the quality of its environment, both for the people who live and work at the University and for the wider community. The purpose of the University's Environmental Policy is to provide a systematic framework for environmental management commitments and to promote environmental sustainability. The policy document will assist in the integration of efficiency and environmental awareness into daily activities, allowing us to better understand our obligations and commitment to the conservation and use of natural resources. We sincerely hope that Siddharth University will take the lead in developing new frameworks for understanding the paradigm of sustainable development.

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Principles: The Environmental Policy is a University-wide policy that applies to all stakeholders, including staff, students and contractors. The policy document will assist in the integration of efficiency and environmental awareness into daily activities, allowing us to better understand our obligations and commitment to the conservation and use of natural resources.

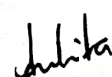
Objectives:

- To comply with all government environmental laws and regulations.
- To comply with all government guidelines and codes of practice.
- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities.
- To work with all stakeholders and the local community to raise awareness.
- To protect and conserve ecological systems and resources within the campus.
- To ensure judicious use of environmental resources to meet the needs and aspirations of both present and future generations.
- To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- To make the campus plastic free.

Priority Sectors

ENVIRONMENTAL EDUCATION, TRAINING AND AWARENESS

The University shall aim to integrate sustainable development concepts and practices into all facets of teaching and learning. The University will support awareness campaigns, workshops and promote and sponsor initiatives on environmental and sustainable issues to educate students and staff and ensure that the Green Campus, Energy and Environment policies are effectively implemented. The University shall also observe important days such as Ozone Day, Environment Day, Earth Day, etc.



- **Environment-centric Student Societies and Department Activities**

The University will encourage all departments as well as specific student societies such as the NSS, NCC and others by organizing training sessions, competitions and events to raise awareness of environmental issues at a grassroots level. The University will establish a Green Society and work with departments and student societies to help students become engaged environmental stewards and conservationists.

- ✓ **Green Society**

The Green Society will provide a larger platform to promote the University's environmental values and raise awareness. Various activities under this will help the green initiatives and practices that are part of this policy to grow exponentially.

- ✓ **Plastic-Free Campus**

The University will ban the use of plastic in the campus due to its harmful effects, in an effort to create a 'Plastic Free Campus'. In addition, the University will actively plan and commit to cleanliness initiatives both inside and outside the campus. In particular, during university events, the university is committed to managing waste and maintaining a clean campus.

- **Water Management**

University shall establish systems to monitor the quality and quantity of water used and discharged, and adopt practices to conserve and reduce the use of water resources.

- ✓ Use water saving strategies such as use of water saving fittings, drip and sprinkle irrigation for gardening purpose.
- ✓ Wastewater recycling.
- ✓ Rainwater harvesting system should be installed in all campus buildings.
- ✓ Reduce water consumption.
- ✓ Water saving plans would be implemented to stop leaks, track usage and eliminate unnecessary usage.
- ✓ Promote prompt report and repair of water leakage.

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- **Air Quality Management**


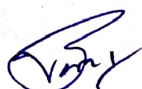
The University is committed to maintaining air quality and acting in a responsible way when it comes to carbon emissions.

- ✓ Maintain a good green campus.
- ✓ Establishment of National Ambient Air Quality Monitoring Station (NAMP) of the Central Pollution Control Board.
- ✓ Students and staff are encouraged to use public transport. No car day in a week to start.
- ✓ All faculty, staff and students will be motivated to walk, cycle between campus and outside the campus,
- ✓ Avoid the use of toxic volatile substances in science laboratories and on campus.
- ✓ Support and collaborate with educational institutions, government agencies, NGOs and communities to control, manage and communicate air pollution issues.
- ✓ Raising awareness of air quality management among students and staff.
- ✓ The University campus restricts smoking and the use of other tobacco products as appropriate.

- **Energy Conservation and Efficiency**

The University shall conserve energy by minimizing its use and making energy consumption more efficient. It incorporates the various aspects of energy consumption, management and efficiency within our University premises to use the best quality energy for the best use.

- ✓ A database of all technological resources used/bought needs to be created.
- ✓ Develop a long term plan to include safe and renewable solar energy.
- ✓ The University shall invest in renewable energy, i.e. solar energy.
- ✓ Monitor electricity bills to ensure efficient use of the power.
- ✓ The university will invest in energy efficient technologies for heating, cooling and lighting systems such as replace CFL bulb with LED bulbs, installation of solar water heater and pole top solar panel.
- ✓ Install card based access to administrative buildings, faculty rooms, guest house and other air-conditioned rooms so that power is switched off when not in use.
- ✓ Conduct regular awareness programmes among the University community on energy conservation.



- **ENVIRONMENT MANAGEMENT SYSTEM**

The University's vision is to establish an Environmental Management System (EMS), such as ISO 14000, and to adopt standardized environmental management practices, document their actual application and obtain reliable third party verification. With the exception of items reserved for the small sector, the University will priorities the purchase of ISO 14000 goods and services to promote the adoption of the EMS.

- **ENVIRONMENTAL AUDIT**

The University is committed to meeting the requirements of environmental auditing and will endeavour to provide staff and students with training that is beneficial. The University will provide support to auditing firms and keep abreast of new developments around the world. The purchase of carbon credits may also be a new way of generating income.

- **ENVIRONMENTAL AWARDS**

The University will support and encourage innovation and projects related to sustainable solutions, rural development and the environment. The University will promote and initiate a series of prizes and awards to strengthen awareness and implementation of environmental management and sustainable development.

- **SUSTAINABLE DEVELOPMENT PRACTICES AND GOALS:**

The University recognizes the importance of procuring its resources in a sustainable manner. The University will consider environmental and social factors when making purchasing decisions. In addition, a thorough investigation of the components of the items, their origins and their manufacturers shall be emphasized. The University shall, through its purchasing practices, select products and services that have the least environmental impact during manufacture, distribution, packaging, use, reuse, recycling and disposal. It shall endeavor to purchase items from regional or local suppliers in order to reduce transport costs and increase the University's contribution to the local community. Purchasing policies shall encourage the purchase of goods with high recycled content, low waste generation, green manufacturing practices, maximum durability or biodegradability, reparability, energy efficiency, non-toxicity and recyclability. Wherever possible, the University will assess the environmental impact of each purchase in terms of raw materials, manufacturing, distribution, use and disposal. The University shall work to reduce its carbon footprint and promote sustainable

campus practices such as planting and maintenance, educating students/officials on current environmental issues and solutions. The University shall form partnerships with governments, industry and civil society organizations to promote sustainable development. The University shall promote in-house and collaborative research and innovation for sustainable development.

Implementation of the Policy:

To implement and monitor the priority Areas of this Policy:

- The University shall establish an Environmental Action Committee (EAC) and a Green Society consisting of faculty, administrative staff and students.
- The University shall make budgetary provision to facilitate the smooth implementation of the policy.

Structure of Environmental Action Committee (EAC):

Chairman: Nominated by Vice Chancellor

Member 1: Head of Department of Botany/Senior Faculty Member

Member 2: Head of Department of Zoology/Senior Faculty Member

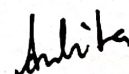
Member 3: Head of Department of Chemistry/Senior Faculty Member

Member 4: Senior or nominated member from Art/Commerce Faculty

Member 5: External member from academic/research institute

The role of EAC shall be to:

- To recommend and organize a programme to achieve the objectives set for each of the priority areas. Community participation will be encouraged in this process.
- Involve a group of students in an awareness programme for a clean and green campus and provide recognition/awards (certificates/prizes) for the best performers.
- Implement education and training programmes to raise awareness and achieve the objectives set out in the policy.
- Establish performance indicators to monitor progress in each of the priority areas.
- Carry out appropriate environmental audits and pilot projects.
- Prepare an annual report on the priority areas, summarizing the initiatives undertaken and identifying the issues that require particular attention.
- Ensure the University's environmental and energy initiatives through - Green Audit (energy



Water bodies Recharge

1. Paduma Sarovar
2. Tathgat Sarovar

