



AKS University SATNA

The University with Difference

Green Campus, Environmental and Plastic Free Policy

R. Phandey

Registrar
AKS UNIVERSITY
Satna (M.P.) 485001

B.A. Chopade

Professor B.A. Chopade
Vice-Chancellor
AKS University
Satna, 485001 (M.P.)



Sherganj, Panna Road, Satna-485001 (M.P.)

Email: info@aksuniversity.ac.in

Web: www.aksuniversity.ac.in



Contents

Sl. No	Item	Page no.
1	Preamble	1
2	Statement of the Policy	2
3	Objectives of the Policy	3
4	Scope of the Policy	4
5	Focus Areas of this Policy	6
6	Policy Reference Points	7
7	Go- Green Policy	8
8	Clean & Green Campus Initiatives	9
9	Landscaping Initiatives	10
10	Clean Air Initiative	10
11	Environment and Energy Uses Principles	11
12	Energy Saving Measure	12
13	Water Conservation Measures and Rain Water Harvesting System	13
14	Waste Management	14
15	Green, Energy and Environment Audit	16
16	Awareness Initiative	17
17	Policy Communication	17
18	Policy Review	17
19	Conclusion	17



Green Campus, Environmental and Plastic Free Policy Of AKS University

1.0 Preamble:

A Green Campus embodies the fusion of ecological stewardship and academic pursuits, fostering a culture of sustainability and eco-consciousness within its bounds. This concept empowers an educational institution to pioneer a shift in environmental ethos and forge innovative pathways that address the environmental, societal, and economic imperatives of humanity.

AKS University endeavors to promote community welfare, environmental protection, and efficient energy use to a level of performance that moves "beyond compliance." Striving to set a benchmark on a national and international level for education, healthcare, environment, and energy management. The University is committed to cleaner and greener campuses. To realize this vision, the University commits to:

- Implementing sustainable practices across all aspects of campus life, from recycling programs to green building initiatives.
- Engaging with students, faculty, and staff to foster an environment of awareness and action towards environmental sustainability.
- Collaborating with local and global partners to advance research in sustainable technologies and practices.
- Reducing the carbon footprint of the campus by transitioning to renewable energy sources and promoting the use of public transportation, e-vehicles, cycling, and walking.
- Monitoring and reporting on environmental performance to ensure continuous improvement and transparency.
- Educating the next generation of leaders on the importance of environmental stewardship through curriculum integration and experiential learning opportunities.

These commitments align with AKS University's dedication to performing uniquely to achieve academic excellence in a creative way, using innovative ideas to produce perfect human resources and act as a center for 'Amicable Knowledge Solutions'¹². The University's Campus, nestled amidst lush greenery, provides a serene and conducive environment for learning and growth.

By taking these steps, AKS University aims to not only contribute to the well-being of the planet but also to inspire others to take action for a futuristic sustainable development.

AKS University is dedicated to fostering societal well-being, safeguarding the environment, and optimizing energy consumption to surpass standard compliance levels. With aspirations to establish national and international standards in education, healthcare,



environmental, and energy management, the University pledges to maintain eco-friendly and sustainable campuses. To bring this vision to fruition, AKS University commits to:

- **Adopting and institutionalizing exemplary practices**, adhering to and, where feasible, surpassing environmental and energy-related legal and regulatory standards.
- **Actively preventing pollution** by consistently enhancing environmental and energy performance through strategic resource allocation to meet established goals and benchmarks.
- **Developing and upholding management systems** designed to boost energy efficiency and mitigate adverse impacts on the environment, human health, and safety.
- **Advocating for the adoption of clean, secure, and energy-efficient technologies** to ensure the judicious use of natural resources.
- **Promoting openness and dialogue** regarding its dedication to sustainable development, thereby heightening awareness among stakeholders and the broader community.
- **Nurturing education, research, and the dissemination of information** on energy and environmental advancements to progress towards global sustainability.

Through these pledges, AKS University not only aims to contribute positively to the planet's health but also seeks to inspire a movement towards enduring sustainability.

2.0 Statement of the Policy

The Environmental and Energy Policy is a mandatory framework for AKS University, encompassing all its affiliated institutes and operational units. This policy mandates the integration of environmental conservation into the decision-making processes at every hierarchical level, ensuring that all stakeholders are cognizant of the importance of preserving the environment and natural resources. It is a directive of the University to foster initiatives and projects that focus on afforestation, ecological restoration, soil and water preservation, maintaining water purity, effective waste management, utilization of renewable energy, and actions to counter climate change. This approach is designed to enhance operational efficiency and infuse environmental consciousness into the daily routines of the University community, thereby fulfilling the expectations of stakeholders and contributing positively to society.

The Policy is designed to align with the principles of the AICTE Environment policy effectively. It is crafted to ensure the preservation of the natural environment, foster the development of sustainable solutions, encourage innovation and startups, support rural technologies, and manage energy consumption with the goal of:



- i. Cultivate consciousness among the student body regarding the preservation of natural resources and the creation of sustainable habitats for the nation's wealth.
- ii. Promote the advancement of technology in India's rural sectors to achieve comprehensive progress
- iii. Embrace a principled, ethical, and eco-friendly methodology that spans from execution to the educational training of students within academic frameworks.
- iv. Innovate and design forward-thinking technologies and engineering solutions that are key to the responsible use of enhanced natural resources.
- v. Foster a society that prioritizes conservation and coexists peacefully with the natural world.

3.0 Objective of Policy

To propel the Go-Green movement, enhance transparency, and validate efforts, AKS University unveils this policy framework outlining the tactics and blueprints to operationalize this agenda. We hold the conviction that transforming the campus into a greener space entail eradicating wasteful practices and harnessing traditional energy sources for daily operations, ensuring proper waste management, procuring eco-friendly materials, and instituting a robust recycling initiative. The Institute's leadership is of the opinion that it is imperative for all members of the community to devise and execute timely strategies to bring the green campus vision to fruition. These strategies should be woven into the fabric of institutional planning and fiscal policies, with the ultimate goal of nurturing a pristine and verdant campus environment. Each member of the University, whether student, educator, or support staff, is expected to contribute to a culture of self-reliance and environmental stewardship, thereby rendering the campus a beacon of ecological harmony. The green campus drive positions the University as an incubator for pioneering thought and practice. The policy's diverse aims include:

- i. Safeguarding and nurturing the ecological systems and resources in the campus.
- ii. Guaranteeing prudent and enduring utilization of environmental assets to fulfil the ambitions of current and future cohorts.
- iii. Embedding environmental mindfulness into the institution's strategic, developmental, and community outreach endeavours.
- iv. Educating and mobilizing the University populace around environmental issues and sustainable practices through 2 credit courses on environmental and energy education.
- v. Acknowledging and valuing the contributions of students and the institution in environmental preservation and sustainable progress.
- vi. Stimulating innovation and entrepreneurship in the realm of sustainability pertaining to environment and energy.
- vii. Considering environmental, health, and safety factors in strategic and operational decisions.



- viii. Championing rural upliftment programs and offering professional support to India's rural fabric.
- ix. Cultivating partnerships with pivotal government initiatives and fostering synergy among policymakers, academic entities, and local communities.
- x. Advocating for projects and actions focused on afforestation, landscape restoration, soil and water conservation, maintaining water quality, waste management, renewable energy adoption, and climate change mitigation.
- xi. Supporting institutions in adopting practices and research programs that aim for a carbon-negative footprint.
- xii. Collaborating with stakeholders and the local populace to promote environmental best practices and mitigate negative ecological impacts.
- xiii. Continually enhancing our role in climate resilience, resource conservation, and global ecological preservation.
- xiv. Persistently elevating the efficient deployment of all resources, including energy and water, while diminishing consumption and waste generation, and prioritizing waste recovery and recycling where feasible.
- xv. Reducing paper dependency in administrative processes through the adoption of e-governance policies.
- xvi. Upholding a pollution-free campus
- xvii. Performing periodic environmental and energy assessments
- xviii. Incorporating environmental considerations into all pertinent activities.

Recognizing that ecological stewardship is integral to its societal obligation, the University is committed to influencing environmental conservation by fostering eco-conscious, professional, and safe practices among its students. This encompasses the conservation of limited resources like raw materials, energy, and water, as well as the reduction of CO₂ emissions and waste. AKS University has embraced a just, ethical, and eco-sensitive approach that spans from production to the management and instruction of students within the institution.

4.0 Scope of the Policy

AKS University operates under the auspices of this policy, treating the environment as an entity that requires our ongoing care and protection. The policy is designed to foster innovative practices that empower students to spearhead meaningful environmental progress. It necessitates a comprehensive evaluation of infrastructure and administrative processes with an eye toward energy conservation, sustainability, and environmental safeguarding. The key elements include:

1. Integrating the environmental policy and energy into the university's overarching policies and strategic planning.



2. Ensuring that all endeavours related to the environmental policy are reflected in the Annual Report and disseminated effectively.

Curricular Integration:

- i. The curriculum will incorporate courses aimed at bolstering awareness and understanding of Environmental Management and Conservation.
- ii. The Student Induction Program will raise environmental consciousness and include activities such as excursions to neighbouring villages.
- iii. The curriculum will be enriched with accredited courses in environmental engineering, marine and water technologies, carbon engineering, and related fields that contribute to the advancement and protection of the environment.
- iv. The university will promote research in vital areas like potable water, agriculture, and rural industries, focusing on sustainable development.
- v. A system of activity points will be integrated into the curriculum to encourage participation in environmentally beneficial activities.

The plan encompasses the following initiatives:

- i. **Formulate and execute strategies** to generate employment opportunities locally.
- ii. **Develop and implement measures** to enhance the educational standards in the village.
- iii. **Establish a Sustainable Water Management system** to ensure efficient use and preservation of water resources.
- iv. **Craft and refine plans** to elevate the health status of the village populace.
- v. **Initiate the development and application** of cost-effective sanitation solutions.
- vi. **Design and execute innovative schemes** to boost local tourism.
- vii. **Adopt and integrate technological solutions** that elevate the standard of living.
- viii. **Devise and apply energy-saving solutions** to promote conservation.
- ix. **Create and implement programs** to foster skill development among the village youth.
- x. **Formulate and carry out a blueprint** for the village's sustainable development.
- xi. **Establish information-sharing clubs for women**, empowering them to address social and economic challenges.
- xii. **Develop and manage an efficient garbage disposal system** to maintain cleanliness and hygiene.
- xiii. **Contribute to national initiatives** such as Digital India, Skill India, and Swachh Bharat Internship.
- xiv. **Incorporate Universal Human Values into the curriculum**, emphasizing harmony with nature and principles of environmental conservation and sustainable development.



Recognition for Environmental Excellence:

- i. Recognition for initiatives in rural development, environmental enhancement, and sustainable practices.
- ii. Awards for institutions that maintain a pristine and eco-friendly campus.
- iii. Support and accolades for innovations and entrepreneurial ventures focused on environmental, rural, and sustainable advancements.
- iv. Establishment of additional honors to boost consciousness and execution of environmental management and sustainable growth.

5.0 Focus area of Policy

The policy's key areas of emphasis are outlined as follows:

Go Green Policy: A commitment to sustainable practices and environmental stewardship. Efforts to maintain a pristine and eco-friendly campus environment through:

Landscaping Initiatives: Enhancing the natural beauty and biodiversity of the campus.

Clean Air Initiatives: Promoting a healthy atmosphere by:

- **Establishing a Tobacco-Free and No Smoking Campus.**
- **Reducing Vehicular Emissions:** Encouraging low-emission transportation options.
- **Minimizing the Use of Diesel Generators:** Seeking alternative power sources to reduce air pollution.
- **Plastic-Free Campus:** Eliminating single-use plastics to reduce environmental impact.

Environment and Energy Usage Principles: Guidelines for responsible energy consumption and environmental conservation.

Save Energy Initiatives: Strategies to decrease energy usage, including:

Alternative Energy Systems: Implementing renewable energy sources.

Energy Efficiency Equipment: Utilizing devices that consume less energy.

Adopting Conservative Austerity Measures: Encouraging mindful and minimalistic use of resources.

Water Conservation Measures and Rainwater Harvesting System: Techniques to preserve water and harness rainfall.



Waste Management: Comprehensive plans for handling waste responsibly, encompassing:

Solid Waste Management: Proper disposal and recycling of solid waste materials.

Liquid Waste Management: Treating and reusing wastewater.

Biomedical Waste Management: Safe disposal of healthcare-related waste.

E-Waste Management: Recycling and proper handling of electronic waste.

Green, Energy & Environmental Audit: Regular assessments to ensure compliance with environmental standards.

Awareness Initiatives: Educational programs to raise consciousness about environmental issues and promote sustainable practices.

6.0 Policy Reference Points

1. United Nations Sustainable Development Goals 2030 to remain as thrust areas with special focus on Clean Water and Sanitation (SDG Goal 6), Quality Education (SDG Goal 4), Affordable and Clean Energy (SDG Goal 7), Sustainable Cities and Communities (SDG Goal 11), Climate Action (SDG Goal 13), Life Below Water and Life on Land (SDG Goal 15).
2. Environment conservation, rural development, sustainable development etc. to become a part of all policies of AKS University
3. Ensuring Rainwater Harvesting within their premises, provide Waste Management and environment improvement measures to ensure a sustainable Green Campus, strive to have a plastic free environment, Installation of grid connected solar rooftops/ Power Systems, wherever feasible.
4. Suitably implement Unnat Bharat Abhiyan. Under the Unnat Bharat Abhiyan, the objective is to build institutional capacity in institutes of Higher Education in research and training, relevant to national needs, especially those of rural India, which includes inter alia the following objectives:
 - a. Encourage to engage with problems of rural India and to provide solutions for them.
 - b. Develop an academic framework for working on societal problems, their solution, delivery, reporting and assessment.
 - c. Re-visit where necessary the curriculum to incorporate inclusive technologies for rural India.
 - d. Promote inter-disciplinary approach in education guided by live contexts.
 - e. Develop over time, research areas which have developmental significance, such as drinking water, education, health, agricultural practices, electrification, agricultural and rural industries cooking energy, watershed analysis.



- f. Develop collaborations of academic institutions with key government flagship programs and develop formal course-ware for supporting the knowledge needs for the same.
- g. Promote networking and coordination among various science and technology based voluntary organizations and developmental agencies.
- h. Foster collaborations between governance, knowledge institutions and local communities.
- i. Provide rural India with professional resource support in the field of science, engineering and technology, and management.
- j. To identify the basic developmental and productive needs of a village and find ways and means to meet these needs.
- k. Strengthen the technical design of interventions in key sectoral areas of natural resource management such as water and soil, economic activities such as agriculture and related production, or related to crafts and artisans, infrastructure such as housing, roads, energy.
- l. Identifying efficient, cost effective and sustainable development practices in these field. Helping grassroots organizations in innovating new products, and support rural entrepreneurs to develop neighborhood solutions.
- m. Empower communities to engage with AKS University in order to evolve technically sound and locally feasible development strategies that promote self- reliance.
- n. Facilitate convergence of development schemes, resources, various planning and implementation initiatives, and coordination of agencies for successful interventions and measurable outcomes.
5. Apply for funding schemes for activities such as Unnat Bharat Abhiyan, Jal Shakti Abhiyan etc. to encourage the environmental initiatives
6. Promote schemes by MHRD on environment in institutions such as one student, one tree etc.
7. Encourage internal policies such as making premises plastic free, replacing mementoes with plants, building applications on environmental conservation, sustainable development etc.
8. Facilitate recognition and protection of rights of owners of traditional knowledge and intellectual property, while promoting research
9. Promote collaboration and networking among various Science and Technology organizations, Educational Institutions and Manufacturing organizations/ Development Agencies, with focused discussions on Environment Management.
10. Design technical interventions for natural resource management and economic activities like agriculture and related activities, infrastructure like housing, roads, energy, which affect the environment

7.0 Go Green Policy

The efforts for a successful Clean and Green Campus must begin at the top and emanate throughout the rest of the campus. In view of this, the university will plan and execute:



1. Seek views of all the stakeholders to make the Go Green Campus initiatives functional throughout the year.
2. Conduct the Campus environmental impacts to identify the targets for improvements.
3. Establish a Green Campus Environmental Ethic Awareness campaigns.
4. Set forth a Green Campus Mission and a Statement of Principles.
5. Link Green-Campus activities to Academics in the Institute.
6. Organize Awareness Programs for the students, faculty and society.
7. Develop a strategic plan and create student teams to carry out specific tasks of the strategic plan.
8. Phase out the CFL and conventional light source such as bulbs and tube lights, halogen and mercury street/campus lights and get them replaced by the LEDs.
9. Conduct an Annual Green, Environment and Energy Audits.
10. Purchase only Energy Efficient IT systems.
11. Evaluate the operations in terms of pollution prevention, waste stream management, and energy efficiency reducing, reusing, recycling, and repairing wherever possible.
12. Secure a commitment up front from the people in charge that well-founded recommendations will be acted upon once audits are completed.

8.0 Clean and Green Campus Initiative

AKS University has pledged to actively coordinate cleanliness activities in the university and beyond the campus in accordance with the vision of Swachh Bharat Abhiyan. It commits to continue with this Programme. AKS University makes all the necessary efforts to involve the students, faculty and staff in “Green Campus Initiatives” by designating the volunteers from the Student Clubs, NSS and NCC cadets etc. The broad vision is as follows:

1. Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives. The idea is to motivate them to contribute in a proactive manner.
2. Activities under ‘Swachh Bharat Abhiyan’ will be a key component of all the community work being done by NSS, NCC and Green volunteers of the university.
3. Staff Members will be encouraged to participate in the cleanliness drive in the university campus.
4. Events such as poster and slogan competitions, essay writing, spoken word poetry, speeches, skits on ‘Swachh Bharat’ will be organised.
5. Rallies on themes connected with ‘Swachh Bharat Abhiyan’ in and around the university campus will be conducted to create mass awareness.
6. Remove all kinds of waste material like broken furniture, unusable equipment etc.
7. Administer of the pledge by students and staff members to maintain cleanliness of the university campus and its surrounding areas on an annual basis.
8. Conduct workshops on Reduce, reusing and recycling of waste.



9. Commit to manage waste and maintain clean campus especially during university events.

Other initiatives include:

- Installation of Solar Power Station
- Wastewater Management/ Rainwater harvesting
- Development of Sewage Water Treatment Plant
- Sensor based energy conservation
- Displayed poster on E-waste Management
- Maintenance of water bodies and distribution system in the campus
- MIS to make paperless administration
- Plastic free Campus
- Tree Plantation Drive
- Cleanliness Drive
- Landscaping and gardens
- Use of LEDs only
- Digital Library/ E-Learning Centre
- Organization of sensitization programmes for the stakeholders
- Green, Environment and Energy Audit conducted annually
- Restricted entry of automobiles
- Development of Pedestrian friendly Pathways
- Observation of No Vehicle Day, World Environment Day, No Smoke Day etc.

9.0 Landscaping Initiative

The campus landscape, like its buildings, can be seen as the physical embodiment of a university's values. It is a vital part of the life of a campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus landscapes also manage runoff, help recharge groundwater, and clean and cool the air on campus. The landscape serves as a visual representation of the campus community's commitment to sustainability. As campus landscapes are so visible and accessible, landscaping initiatives are a great way to build awareness around the environment. The university commits to enriching this healthy habitat and maintaining the symbiotic relation of the institution with nature by Organizing annual tree plantation drives and encouraging student societies to hold tree planting events.

10.0 Clean Air Initiative

AKS University encourage our students and staff to use public transportation. We encourage carpooling to university, an activity that will control air pollution and strengthen social interaction. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles. The university promotes the minimum use of diesel generators to meet the energy needs instead advocates the use alternative sources of energy. The



abundant natural landscape not only cleans the air on campus but also becomes an extension of the green lungs of the city. The air we breathe in the campus is clear and that is the way we like it. We ensure the emissions from diesel generators are tested at regular intervals to ensure conformity to environmental limits, so as the vehicular emissions and to develop all available open spaces through arboriculture and greenery.

NO Smoking and Tobacco Campus

In compliance with the framework provided by the National Tobacco Control Programme of Govt. of India, the university prohibits smoking and the use of other tobacco products and promotes a tobacco free environment. As a step in this direction, smoking and use of tobacco in and around the campus is strictly prohibited. The university ensures enforcement of the anti-smoking policy.

Plastic – Free Campus

AKS University has been observing most of its duties in terms of solid waste management since its inception. In view of the Government of India's resolution to ban all single use plastics due to the hazardous impact of plastic use and pollution, the university administration strictly bans the use of single use plastics in its premise to make it a 'Plastic Free Campus'.

11.0 Environment and Energy Use Principles

1. Achieving transparency about our environmental and energy impact, giving importance to our own carbon footprint, through institutional reporting.
2. Integrating energy and environmental considerations into the design of all new infrastructural facilities at AKS University.
3. Improving operational efficiency and minimizing impact on the environment
4. Improving the carbon efficiency.
5. Reduce local air pollution emissions by minimizing the entry of vehicles in campus.
6. Complying with the applicable international, regional, and national environmental regulations, as well as legal requirements regarding energy consumption and energy efficiency.
7. Taking additional measures by reducing energy consumption
8. Considering environmental aspects and energy efficiency in all major investment and procurement decisions - adopt a green procurement philosophy.
9. Improving resource efficiency in operations, especially for key resources such as energy and water.
10. Adopt a sustainable water conservation and water management philosophy.
11. Strive towards a "greener Campus".
12. Continuous monitoring and reviewing of objectives to achieve continual improvement in environmental and climate performance.



13. Preserve and enhance biodiversity inside the campus.
14. Educate the administrators, students, teaching and staff with seminars and sessions on environment sustainability.
15. Focusing on renewable energy systems like solar energy and wind energy.
16. Focusing on increasing water efficiency and sustainable waste management.
17. Funding for research and Development on environmental aspects, issues, challenges, and solutions.
18. Engage in dialogue with the stakeholders, co-operate with universities and industries, and actively work with national and international organizations in the areas of environment, energy efficiency and sustainable development.

12.0 Energy Saving Measure

AKS is dedicated to minimizing and sustainably manage its use of electricity. The university believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like solar energy for purposes like lighting the campus.

Alternate Energy Systems

The university shall plan for increasing the energy procurement mix with an increase in renewable sources like solar energy.

Roof top Solar PV systems: AKS University recognizes this aspect as an important facet of its operation and adopts an energy policy supplementing the existing environment policy. In line with this, AKS University shall shift from conventional energy use to renewable energy use and sourcing, through installation of rooftop Solar PV systems in the shadow free area on existing buildings. This substantially will reduce University dependence on conventional energy sources thus mitigating carbon emissions as well as a shift towards sustainable energy use.

Energy Efficient Equipment

Energy conservation is an ever-present theme in the planning and developing of all our campus facilities. AKS University is committed to the use of environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies. The university believes in using cleaner energy such as LED lighting. A few of the measures to be taken to make the campus energy efficient:

- Upgradation of the air-conditioning systems. This may be achieved by replacement of outdated air-conditioning units with power-efficient star rated units. Central air conditioning systems adopting state of the art water cooled screw chillers, and unitary air-conditioner controls with automation system for buildings with sensors for efficient cooling and automatic switching on and off depending on occupancy and fixed time schedule are



installed replacing old systems. Environment-friendly gas systems may be used in all cooling systems.

- Energy efficiency measures: Reducing maximum load and introduction of measures to improve quality of power by exchanging energy efficient transformers, pumps, detuned filters for capacitor banks, and LED lighting, auto synchronization panels for load optimization and energy efficient power equipment.

Adopting Conservative Austerity Measures

- Activate power management features on your computer and monitor so that it will go into a low power “sleep” mode when you are not working on it.
- Turn off your monitor when you leave your Table.
- Activate power management features on your laser printer.
- Whenever possible, shut down rather than logging off.
- Turn off unnecessary lights and use daylight instead.
- Avoid the use of decorative lighting.
- Use LED or compact fluorescent bulbs.
- Keep lights off in conference rooms, classrooms, lecture halls when they are not in use.
- Use the fans only when they are needed.
- Unplug appliances not plugged into power strips (like TVs, Refrigerators, ACs, tea/coffeepots, printers, faxes, and chargers etc.)

13.0 Water Conservation Measures and Rainwater Harvesting System

AKS University is committed to replenish the groundwater table by practicing rainwater harvesting. This practice helps in the replenishment and recharge of the groundwater.

Water Conservation Measure AKS University will implement the following measures to ensure sustainable water management:



- a. Development of bore-wells and open well recharge systems, along with the construction of underground sumps and overhead tanks, to guarantee water conservation and a consistent supply.
- b. Routine upkeep of the water storage and distribution systems to maintain efficiency and reliability.
- c. Ensuring all water fixtures are leak-proof to prevent wastage. Opting for more Indian style toilets over western ones to reduce water usage.
- d. Conducting regular inspections and monitoring to detect and rectify any water leakages from taps, pipes, tanks, and toilet flush systems.

Rain Water Harvesting

Active participation and education are pivotal for the AKS University community to fully adopt and further the objectives of our policy. The university fervently supports and champions initiatives like awareness campaigns, seminars, workshops, and symposiums that promote the hands-on implementation of our directives concerning a Green Campus, Energy Conservation, and Environmental Protection. We encourage every academic department, student body, NSS unit, and NCC group to spearhead activities, competitions, and educational programs that catalyze environmental enhancement at the grassroots level. AKS University stands behind these entities in their mission to mold students into enthusiastic guardians of environmental integrity and conservation. Our commitment is to ensure that sustainable and environmentally mindful practices are ingrained in all members of the university and proliferated throughout the wider community.

Wastewater Recycling

In the stewardship of water resources, AKS University will diligently follow the three key tenets: Reduce, Recycle, and Reuse. The university will establish and consistently manage Sewage Treatment Plants (STPs) to purify the wastewater produced within the campus confines. The reclaimed water from these plants will be judiciously used to preserve and enhance the campus's expansive verdant spaces, aligning with our commitment to environmental sustainability and green practices.

14.0 Waste Management

AKS University is committed to environmental conservation and aims to minimize its ecological footprint. The university is devoted to managing and reducing the waste produced on campus. To uphold this commitment to environmental protection, AKS University will implement the following targeted measures.

Solid Waste Management

With its aim to provide holistic education that also has a positive impact on the environment, the university will adopt practices that will mitigate the generation, and



manage solid waste through the following methods:

- Systematically engage with the 3R's of environment friendliness (Reduce, Reuse and Recycle).
- Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- Reduce solid waste by developing a technology-centric teaching and administrative model.
- Reduce use of paper by supporting digitization of attendance and internal assessment records.
- Reduce requirement of printed books by updating the e-books and e-journals collection of the university library.
- Encourage the students and teachers to use emails for assignment submissions.
- Take initiatives to spread awareness amongst students about
 - ✓ Food wastage and ways of minimizing it
 - ✓ Minimizing the use of packaged food
 - ✓ The habit of reusing and recycling non-biodegradable products
 - ✓ Organizing workshops for students on solid waste management.

Domestic Waste: This is to be collected from all the buildings, hostels and residential facilities on the campus.

Garden waste: This includes trimmed away branches, dried leaves, and all manner of garden waste – used in gardens.

Dry waste is further to be segregated into different categories and sent to recyclers (Daily sorting & weekly disposal)

Wet waste: Biodegradable & food waste from residences, cafeterias and eating joints is to be composted.

Paper, metals, plastics, glass materials, thermocol and other recyclable materials shall be disposed through paid disposal to approved scarp dealers.

Disposal of solid (dry & wet) and biomedical wastes are to be outsourced to a certified agency

Hazardous waste: The major components shall be disposed through authorized recyclers.

Biomedical waste: This is generated in the campus and is to be handled as per the Biomedical Waste Rules. Medical waste is sent for incineration to a licensed handler. Biomedical waste shall be segregated at source in a strictly implemented regimen, using color coded bins. Individual units need to send their biomedical waste to a central unit from where authorized agencies shall pick it up at regular intervals. They ensure the waste is treated and disposed of in a safe manner. Education and training form an important part of the effective implementation of disposal processes; they are also a critical indicator, not only from the environmental point of view but also from the standpoint of employee and patient safety.



- Reject waste is to be sent to a landfill by the institute admin.
- AKS University shall ensure a zero-waste campus with its staff ensuring complete conversion of food waste garden waste into compost to be utilized for Gardens and Farms.

Liquid Waste Management

Wastewater recycling: Reuse of wastewater generated by the Reverse Osmosis (RO) system in washrooms. For management of the water resources, AKS University shall scrupulously adhere to the 3 R's: Reduce, Recycle, Reuse. Sewage treatment plants (STPs) shall be set up and maintained to treat the wastewater generated in the campus. This recycled water may be utilized to maintain the vast and lush greenery of the campus.

E-Waste Management

AKS University ensures that its usage of technology and generation of e-waste does not impact the environment.

The university plans to strive towards:

- To make provisions for the disposal of e-waste.
- IT waste including desktop computers and accessories, compact fluorescent lights, printer cartridges are to be collected through separate waste streams and shall be disposed through authorized recyclers through Auction.
- Collaboration with e-waste recycling agencies for disposal and recycling.
- Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.
- Encouraging department and society level activities pertaining to e-waste management.

15.0 Green, Energy and Environment Audit

1. To perform periodic environmental audit.
2. To include the sustainable development goals.

To ensure that environment, health and safety standards that meet the requirement of relevant laws, regulations and codes of practice are implemented in institutions.

Energy Audit

AKS University shall conduct Annual External Energy Audit to identify wastage of energy, if any. Such an inspection/audit often reveals several different flaws which cause a loss of significant amounts of energy which the university will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.

Green & Environment Audit

AKS University will carry out Annual Green and Environmental Audits to gauge the consumption patterns of energy, water, and other resources. These audits will serve as a



critical tool for identifying areas of high usage and potential savings. By understanding the nature and quantity of waste generated, the university can implement effective recycling initiatives and waste reduction strategies. This process will not only foster health awareness but also cultivate a culture of environmental ethics and values. Green auditing is instrumental in realizing financial efficiencies by curtailing resource consumption. It is essential for the university to critically review its role in fostering a sustainable future. The findings from the audit will provide insights into the university's operational strengths and areas for improvement, guiding it towards achieving enduring sustainability.

16.0 Awareness Initiatives

Outreach and education are of utmost importance so that all members of the campus community may value the objectives of the policy and aid in its implementation. This is why AKS University supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment policies.

AKS University encourages all the departments, student clubs & chapters, NSS & NCC units to organize events, competitions and training sessions that will bring about positive environmental changes at the grassroot level. The university supports departments and student societies in moulding the students into active agents of environment protection and conservation. Institutional changes towards sustainability and eco- friendly practices to be percolated down to all the stakeholders & the society as a whole.

17.0 Policy Communication

This policy will be disseminated to all stakeholders, encompassing administrators, students, and both academic and administrative personnel.

18.0 Policy Review

The policy shall be subjected to a comprehensive evaluation by an expert committee appointed by the Vice Chancellor at a triennial interval, ensuring its evolution in alignment with emergent needs and standards.

19.0 Conclusion

AKS University harbors a profound dedication to environmental stewardship, anchoring its operations in sustainable practices. The university pledges to honor its environmental duties with unwavering commitment, upholding its status as a conscientious global entity.
