

## The Green Campus, Energy and Environment Policy

### A. Context

There exist a strong and cordial relation between all the students and staff of School of Management Sciences Lucknow and nature. Since its inception in the year 2008, the institute has always taken sustainable initiatives at the core of all activities. 30% of the sprawling 64,864 sq.mt. lush green campus is built up with academic blocks, hostel canteen and other buildings; while the rest of the campus can be categorized as playgrounds, lawns and gardens. The non built up area is left in its natural form and acts as a natural habitat for biodiversity and a large variety of species of grasses, herbs, shrubs and trees. The green coverage of campus is more than 40% and it is now found neutralizing carbon generated within the campus even nearby outside campus. No tree is cut unless it becomes dead.

### B. Scope of Policy

The Green Campus, Energy and Environment Policies will develop exciting new co-curricular and extracurricular practices that encourage students to take the lead in creating positive change. These initiatives call for a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment.

The thrust areas of this policy are:

- a. Clean Campus Initiatives
- b. Landscaping Initiatives
- c. Clean Air Initiatives

Infrastructure of the campus consists of

- Roof Top PV Solar power generation Plant
- Installation of Energy Efficiency Equipment
- Water Conservation through Rainwater Harvesting System

Waste Management processes consist of

- Solid Waste Management
- Liquid Waste Management
- E-Waste Management

### C. Awareness Initiatives

Environment centric Student Societies and Department Activities:

- a. Green Audit
- b. Energy Audit
- c. Environmental Audit

## Objectives of Policy

- To protect and conserve ecological systems and resources within the campus.
- To ensure judicious use of environmental resources to meet the needs of the present and future generations.
- 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 and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
- To continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources.
- 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 conduct environmental and energy audits from time to time.

### D. Policy:

#### 1. Clean Campus Initiatives

School of Management Sciences Lucknow had pledged to actively coordinate cleanliness activities in the campus and beyond the campus in accordance with the vision of **Swachh Bharat Abhiyan**. The broad vision is as follows:

- a) 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.
- b) Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by teaching staffs, non teaching staffs, students, NSS and Green Society volunteers of the college.
- c) Events such as poster and slogan competitions, essay writing, spoken word poetry, speeches, and skits on green initiatives will be organized time to time.
- d) Rallies on themes connected with green initiatives in and around the institute campus will be conducted to create mass awareness.
- e) Administer of the pledge by students and staff members to maintain cleanliness of the college campus and its surrounding areas on an annual basis.
- f) Commit to manage waste and maintain clean campus especially during institute events or celebrations.

#### 2. Landscaping Initiatives

The campus landscape, like its buildings, can be seen as the physical embodiment of institute 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 commitment to sustainability. As campus landscapes are so visible and accessible, landscaping initiatives are a great way to build awareness around the environment.

There are more than 644 trees and many herbs in the campus. The landscape of trees and plants provide the students and staff with clean and cool air, and a soothing environment.

The diverse green cover of School of Management Sciences Lucknow has a number of different kinds of birds creating a campus rich in biodiversity. The institute commits to enriching this healthy habitat and maintaining the symbiotic relation of the institute with nature by organizing annual tree plantation drives.

### **3. Clean Air Initiatives**

We encourage our students and staff to use public transportation. We encourage carpooling to institute, 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.

Our campus is located at the outskirts of Lucknow, an area identified as the Green Lungs of Uttar Pradesh. For this reason, we feel responsible to maintain our green belt. The abundant natural landscape not only cleans the air on campus but also becomes an extension of the green lungs of the city. The institute also prohibits smoking and the use of other tobacco products.

### **E. Infrastructural Initiatives**

- **Renewable Sources of Energy**

SMS Lucknow is dedicated to minimize its use of electricity and implement sustainable management strategies. The institute believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like PV solar power generation.

- **Energy Saving and Energy Efficient Equipment**


We commit to install environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies. The college believes in using cleaner energy such as LED lighting and sensor based energy conservation.

- **Water Conservation through Rainwater Harvesting System**

The underground water level is decreasing day by day and minute by minute. The rainwater harvesting is the simple collection or storing of water through scientific technique from the areas where the rain falls. SMS Lucknow practices rain water harvesting in the campus. All the buildings are covered with Rain Water Harvesting System.

### **F. Purpose of Infrastructural Initiatives in energy savings as follows**

- a. Generation of green power in the campus
- b. Report and repair the leaking water pipes and toilet pipes if any.
- c. Turn off lights and fans after its use
- d. Turn off all computers and other accessories at the end of the day.
- e. Use of LED to minimize the power consumption.
- f. Use of natural lights as far as possible.
- g. Installations of rain harvesting system.

  
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### **G. Waste Management Processes**

SMS Lucknow strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus. The following specific procedures will be undertaken to ensure contribution of SMS Lucknow in protecting the environment.

**Solid Waste Management:** With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

- a. Systematically engage with the **3R<sup>s</sup>** of environment friendliness (Reduce, Reuse and Recycle).
- b. Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- c. Reduce solid waste by developing technology-centric teaching and administrative model.
- d. Reduce requirement of printed books by updating the e-books and e-journals collection of the college library.
- e. 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.

### **Liquid Waste Management:**

- Maintain leak proof water fixtures.
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, and toilet flush etc.
- Reuse of waste water generated by the Reverse Osmosis (RO) system.

**E-Waste Management:** SMS Lucknow ensures that its usage of technology and generation of e-waste does not impact the environment. For this purpose, the college plans to strive towards:

- Provisions for the disposal of the institutional e-waste.
- Collaboration with e-waste recycling companies to get electronic waste recycled.
- Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.

### **Purpose of Waste management:**

- a. E waste return to vendor
- b. Return of the used paper to vendor
- c. Proper disposal of hazardous substance
- d. Reuse of hostel mess waste as fertilizers for vegetable plants

**H. Plastic-Free Campus:** SMS Lucknow 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 institute administration strictly bans the use of single use plastics in its premises to make it a '**Plastic Free Campus**'.

**I. Commitment to the Green campus:**

- a. Plantation of trees and herbs inside then campus
- b. Maintaining of trees and herbs inside the campus
- c. Developing the awareness among all stake holders the importance of trees.

**J. 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 SMS Lucknow supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment policies.

SMS Lucknow encourages all the departments and specific student societies like, NSS and others to organize events, competitions and training sessions that will bring about positive environmental changes at the grassroot level.

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## POLICY FOR BAN OF USE OF PLASTIC

The environment is getting polluted day to day due to use of plastics. It is a duty and responsibility of every Indian not just to, "Say No to Plastics" but also to spread awareness among the people of our society to curb pollution and to make the environment green and pollution free place for our future generation.

In this regard School of Management & Sciences, Lucknow decided to implement the "Ban of use of Plastics" in our campus.

### Definitions:

**Campus:** Anywhere within the boundary of the Institute.

**Event:** Any activity, meeting, conference, seminar, workshop, performance, speech, or gathering that takes place within the Campus.

**Single use:** Any item designed to be used once and then disposed of or destroyed.

**Single-use plastic bottles:** Any moulded containers consist of plastic resin containing any beverage for human consumption is defined as compostable or biodegradable plastic bottles.

**Single-use plastic food service ware:** Any bags, straws, cups, containers, lids, cutlery, stirrers, or plates that are made of plastic and intended only for one-time use. This means it includes compostable or biodegradable plastics.

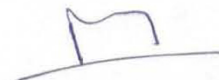
**Single-use plastic banners:** Any form of banner made of plastic.

**Environmentally-responsible alternatives:** All the single use of plastic wares are collected and carried away by an external agency periodically.

The Institute is committed to REDUCE, REUSE & RECYCLE the ban of use of plastics as follows:-

- ❖ Ban on Single-use plastic packing materials in Hostel, Mess, Canteen and Stores.
- ❖ Identification & implementation of replacements for alternative food and beverages that are sold in canteen which comes in plastic packaging during events organised within campus.

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- ❖ Reduction in usage of Single-use plastic banners 'Segregation of Non-Biodegradable plastics by House Keeping staff & safe disposal of the same through authorized agencies.
- ❖ Ban on use of plastic materials used for decorations at the events.
- ❖ The central Store department will be responsible for ensuring that restricted items are not sold or distributed in catering outlets, vending machines, or retail outlets on campus.
- ❖ The Hostel Warden will be responsible for ensuring that catering and retail outlets will use eco-friendly materials for their packing or serving of food & beverages during any events.
- ❖ Every student will strive to make his/her household plastic free.
- ❖ Installation of necessary alternative facilities like water coolers to avoid the purchase and use of plastic water bottles.
- ❖ Ensure presence of alternative solutions like Jute bags, Cloth bags, Paper bags, Paper cups /tumblers, Kulhad, Paper Plates etc
- ❖ Uses of packaged water bottles are not allowed within the campus.

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