Waste Management Policy
IILM University, Greater Noida

Introduction

IILM University, Greater Noida, is committed to achieving a sustainable and eco-conscious campus environment. This policy provides a structured and holistic approach to managing all types of waste generated on campus, including solid waste, liquid waste, and e-waste. By incorporating advanced techniques, stakeholder engagement, and a culture of environmental stewardship, the university aims to lead by example in waste management.

Objectives

- To reduce waste generation at its source and encourage reusability and recycling.
- To ensure the proper segregation, collection, storage, and environmentally safe disposal of waste.
- To comply with national and local waste management regulations and global sustainability standards.
- To raise awareness among students, staff, and faculty about sustainable waste practices and their benefits.
- To integrate innovative waste management solutions into university operations, teaching, and research.

Guiding Principles and Responsibilities:

a. **Prevention and Minimization**: IILM University, Greater Noida, is committed to minimizing solid waste generation and preventing the release of pollutants into the environment. This will be achieved through a hierarchy of actions:
   1. Source reduction to prevent waste generation at its origin.
   2. Reuse and recycling of materials where feasible.
   3. Safe treatment and disposal of waste that cannot be reused or recycled.

   The university will also ensure the reduction of hazardous waste and toxic materials by implementing policies for their safe use, tracking, storage, and disposal.

b. **Re-use and Recycling**: Priority will be given to reusing waste generated within the campus. However, in cases where reuse is impractical, such as large-scale waste like plastic materials for hygienic or safety reasons, the university will actively pursue recycling as the next viable option to manage such waste responsibly.

c. **Recovery and Conservation of Energy**: IILM University will adopt measures to reduce resource consumption by eliminating wasteful practices, encouraging efficient use of resources, and implementing practical energy conservation strategies. These strategies will be applied across existing infrastructure, renovations, and new construction projects.

d. **Environmentally-friendly Disposal**: The university will ensure that waste which cannot be reused or recycled is disposed of in an environmentally responsible manner, adhering to regulatory and ethical standards to minimize environmental impact.

e. **Environmentally-responsible Outsourcing and Acquisition**: IILM University will incorporate environmental responsibility into its contracting and procurement practices. When acquiring products and services, the

university will prioritize options that offer the best value by considering life cycle environmental impacts along with cost and functionality.

f. **Environmental Awareness**: The university is dedicated to fostering a culture of environmental responsibility by providing ongoing education and awareness programs for employees, contractors, students, and visitors. These initiatives will emphasize the importance of sustainable practices in all university operations. Additionally, IILM University will ensure transparency by sharing accurate information about its environmental performance with stakeholders and the public.

Hazardous Waste Management

1. **Labelling and Storage:** Implement robust protocols for the identification, labelling, and secure storage of hazardous substances.
2. **Training Programs:** Train laboratory and maintenance staff to handle hazardous waste safely.
3. **Disposal Alliances:** Engage certified agencies for the ethical and environmentally sound disposal of hazardous materials.
4. **Regular Inspections:** Conduct regular audits to ensure compliance with hazardous waste management standards.

Solid Waste Management

Types of Solid Waste:

1. **Biodegradable Waste:** Includes food waste, garden clippings, and paper-based materials.
2. **Non-Biodegradable Waste:** Comprises plastics, metals, and glass.
3. **Hazardous Waste:** Generated from chemicals, batteries, and laboratory activities.

Management Approach:

1. **Segregation:** Use a color-coded bin system: green for biodegradable, blue for non-biodegradable, and red for hazardous waste.
2. **Collection Points:** Designate easily accessible collection hubs to encourage responsible disposal by the university community.
3. **Processing:** Compost biodegradable waste, recycle non-biodegradable waste, and dispose of hazardous waste through certified methods.
4. **Community Engagement:** Involve student clubs and societies in solid waste monitoring and awareness initiatives.

Liquid Waste Management

Types of Liquid Waste:

1. **Domestic Wastewater:** From kitchens, restrooms, and cleaning.
2. **Laboratory Effluents:** Contains chemicals and hazardous substances.
3. **Rainwater:** Runoff from roofs and campus surfaces.

Management Approach:

1. **Treatment Facilities:** Install and maintain an advanced Sewage Treatment Plant (STP) for domestic wastewater.
2. **Rainwater Harvesting:** Use stormwater for groundwater recharge and non-potable applications like gardening.
3. **Chemical Neutralization:** Treat laboratory effluents to neutralize harmful substances before disposal.
4. **Awareness Drives:** Educate the university community on the importance of protecting water resources through training and events.

e-Waste Management

Types of e-Waste:

1. **Electronic Devices:** Computers, laptops, printers, and mobile phones.
2. **Components:** Circuit boards, batteries, and peripherals.
3. **Lab Equipment:** Projectors, scientific instruments, and AV devices.

Management Approach:

1. **Segregation and Collection:** Establish collection bins for reusable, recyclable, and hazardous e-waste.
2. **Reusing Devices:** Refurbish and donate functional devices to local schools or community centers.
3. **Recycling Partnerships:** Collaborate with certified e-waste recyclers to ensure responsible recycling and disposal.
4. **Awareness Campaigns:** Educate stakeholders about the environmental risks of improper e-waste disposal and promote safe practices.

Implementation and Monitoring

1. **Waste Management Committee:** Form a cross-departmental committee responsible for overseeing policy implementation and improvements.
2. **Digital Monitoring:** Use software solutions to track waste generation, segregation, and disposal efficiency.
3. **Regular Audits:** Conduct biannual audits to assess compliance and identify areas of improvement.
4. **Reporting:** Publish annual sustainability reports detailing achievements, challenges, and future plans.

Approved by

Vice Chancellor