

Wastage Management Report

1. Overview

Woxsen University is committed to sustainable environmental practices and responsible waste management. The University continuously works towards minimizing waste generation, maximizing recycling, and promoting on-campus treatment of biodegradable waste to reduce environmental impact and dependency on external disposal systems.

2. Current Waste Management Practices

Engagement with Vendor

- Woxsen University is engaged with **M/s. Mahesh Garbage Collection**, an authorized vendor under Kamkole Gram Panchayat, for waste collection and disposal
- The vendor collects various types of waste and converts food and garden waste into vermicompost.

Types and Quantities of Waste Generated

- **Food Waste:** Approximately **500 kg/day**.
- **Garden Waste:** Approximately **60 kg/day**.
- **Paper and Carton Waste:** Approximately **10 kg/day**, generated primarily from academic activities.

Waste Collection and Disposal

- **Food and Garden Waste:**
Collected daily and partially treated on campus through composting.
 - **Paper and Carton Waste:**
Stored separately and sold to authorized scrap vendors on a monthly basis.
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3. Solid Waste Management Practices

Segregation at Source

- Segregated dustbins are placed across the campus for:
 - Food Waste
 - Plastic Waste
 - Paper Waste
 - Sanitary & Toilet Waste
- This ensures effective downstream processing and recycling.

Specific Waste Management Initiatives

- **Paper:**
 - Minimizing usage through digital paperwork and softcopy submissions.
 - Official documentation processed through digital approvals and e-signatures.
- **Plastic:**
 - Strict avoidance of single-use plastics in hostels, classrooms, dining areas, and laboratories.
 - Use of eco-friendly alternatives such as bamboo plates, wooden cutlery, and paper cups.
 - Plastic waste is handed over to authorized recyclers..





- **Food:**
 - Adoption of the principle: "Take all you can eat, but eat all you take."
 - Preparing meals incrementally during serving times to minimize waste.
 - Ergonomically designed plates to promote portion control.
 - **Food Waste Tracking:**
 - Waste is weighed after every meal and displayed on an awareness board.
 - Posters around the dining hall encourage responsible consumption.

4. On-Campus Composting Facility (New Installation)

- Woxsen University has installed a **Compost Manufacturing Machine** on campus.
- **Processing Capacity:** Approximately **100 kg/day**
- **Waste Treated:** Food waste and garden waste.
- The compost generated is utilized for:
 - Campus landscaping
 - Green belts
 - Plantation and gardening activities

Benefits of the Composting Unit

- Reduction in waste sent to external vendors.
- Conversion of biodegradable waste into useful compost.
- Lower environmental footprint.
- Supports circular economy practices within the campus.



Sanitary Napkins:

- Disposal bins are placed in all ladies' washrooms.
- Plans to procure a **sanitary napkin incinerator** with a capacity of **120 napkins/day**.



Other Waste (Metal, Wood, Scrap, Cloth):

- Sold to tied-up external vendors for reuse.

Central Waste Management

- A designated waste yard has been allocated within the campus, located away from academic and residential zones.
- **MMini electric garbage collection vehicles** are used for internal waste transportation, reducing fuel usage and emissions.

5. Conclusion

Woxsen University follows a structured and sustainable approach to waste management. With daily generation of approximately 500 kg of food waste and 60 kg of garden waste, the installation of an on-campus 100 kg/day compost manufacturing machine marks a significant step toward self-sufficient waste processing. Combined with source segregation, awareness programs, and responsible disposal practices, the University continues to strengthen its commitment to environmental sustainability and green campus initiatives.

