

Letter No 78/PHT/COH/BUAT/2023
A.C-28: Proceeding Annexure - III

Waste Management Policy



**Banda University of Agriculture &
Technology**

Banda, Uttar Pradesh-210001



(S.K. Singh)

Registrar

Banda University of Agriculture & Technology

Banda-210001

Banda University of Agriculture and Technology, Banda has been established as a full-fledged State University, having unique honour of being the "First Agricultural University of Bundelkhand Region". The University was notified vide Government Order No. 301/79-V-1-10-1 (Ka) 27-2009 Lucknow and established on 2nd March 2010 under Uttar Pradesh Agriculture University Act (Sanshodhan) 1958 Gazette-Adhiniyam 2010. Initially it was named as "Manyawar Shri Kanshiram Ji University of Agriculture and Technology, Banda", which was changed as "Banda University of Agriculture and Technology, Banda" vide Uttar Pradesh Agriculture University Act (Sanshodhan) Adhiniyam, 2014, No. 1528(2)/LXXIX-V-1-14-1(Ka)-13-2014 dated 4th December 2014.

The University has been established for the development of the agriculture and allied sectors in the Uttar Pradesh on the whole and Bundelkhand region in particular. It is committed to serve the Bundelkhand region with trinity concept, i.e. complete integration of teaching, research and extension for the development of agriculture and allied sectors in order to ensure food security and enhance socio-economic status of inhabitants. State Government of Uttar Pradesh has assigned the University with the responsibilities of (a) human resource generation and development, (b) generation and perfection of technologies, and (c) their dissemination to the farmers, orchardists and dairy farmers in the Chitrakoot Dham and Jhansi divisions.

Policy Statement:

The University acknowledges its responsibility to implement sustainable waste management practices and commits to the principles of the 'best practicable environmental option' in delivering its waste management services. The University will adhere to a waste hierarchical approach, prioritizing waste reduction, reuse, recycling, and recovery over landfill disposal.

The University recognizes the significance of complying with legal requirements related to waste management. It is committed to managing waste responsibly, reducing the amount of waste sent to landfill, and maximizing opportunities for reuse and recycling.

All teaching and non-teaching staff, students, guests, and individuals utilizing the College premises are required to comply with this Policy and the associated "College Environmental Guidance" to ensure adherence to waste management legislation. Any solid waste generated on the campus will be handled and managed in accordance with the compliance criteria and procedures outlined in Municipal Solid Wastes regulations.

By adopting this policy statement, the university aims to create a culture of waste management responsibility and promote sustainable practices within its community.

The objectives of this policy are as follows:

- ❖ Create consciousness among faculty and students about the way in which waste is generated and the means by which they can reduce waste generation and manage the waste they produces.
- ❖ Roles and Responsibilities: Provide clear and defined roles and responsibilities to identify and coordinate each activity of waste management within the organization.


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- ❖ Give appropriate training to segregate hazardous and non hazardous waste and dispose of them using appropriate method without creating environmental pollution.
- ❖ Safe Handling and Storage: Ensure the safe handling and storage of waste on the University campus to prevent environmental and health hazards.
- ❖ Training and Education: Provide appropriate training and education on waste management issues for teachers, residents, staff, students, and other stakeholders to enhance their knowledge and skills.
- ❖ Holistic Approach: Promote a holistic approach to waste management on the campus, considering the entire waste lifecycle, from generation to disposal or resource recovery.

Types of waste generated in University

S.No.	Type of waste
1	Solid waste (Paper/stationery/plastic/thermacoal/ cartoons and other wastes)
2	Agriculture farm waste
3	Livestock farm waste
4	e-waste
5	Chemicals
6	Food waste

Solid waste

The solid waste is generated from the different colleges, administrative blocks, hostels, residential blocks and guest houses. The following practices adopted to proper disposal of solid waste

- i. Separate bins (degradable and non degradable) are placed in different locations of the university.
- ii. Daily collection of the all type waste from different location has been carried out by the university cleaning staff and aggregated one place from where waste collected by the municipality corporation of the district.

Agriculture Waste

Farm waste: University is dedicatedly working for the improvement of the farmers of the region. The field crop, vegetable crops, horticultural plantation and agroforestry is regularly practiced at research and seed production. The biodegradable waste generated from the above said activities. The following measures adopted in order to ensure environmental safety.


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- a. The burning of crop residue is strictly prohibited and implemented by the respective Deans of colleges, Director Seed and Farm and different Farm In-charges of colleges.
- b. The composting units have been established in different colleges in which farm waste converted into compost.
- c. Crop residues handed over to live stock units for feeding of live stock.

Livestock

The live stock is integral part of the agriculture. University has a livestock units including cattle and goat units where students learn the practical aspects of animal production management. The research on cattles is also going for sustainable utilization of livestock in Bundelkhand region.

The following methods for disposal/ utilization of solid wastes (dung) may be adopted: –

- o Composting/Vermicomposting
 - Biogas/Compressed Biogas/Compressed biogas (CBG) production production (anaerobic (anaerobic digestion) digestion)
- Collection of dung from the floor of the shed at regular interval.
- Sanitization and disinfection, e.g. by sprinkling crushed lime, regularly
- Take necessary steps for the judicious use of water for drinking & bathing of cattle and other services: Not exceed 150 litres/day/cattle
- Wastewater being discharged, is adequately treated so as to meet the standards
- The animal housing should be adequately ventilated
- Follow good housekeeping practices

Chemical waste management

University is offering undergraduate/postgraduate and PhD degree and several research projects are running in which chemicals used. The chemicals waste categorized into hazardous and non-hazardous chemicals. The university has been constituted a high level bio safety committee (number BUAT/DAM 389/2022 dated 03/06/2022) for the proper disposal of the chemicals waste. The committee is responsible for the proper disposal of the chemicals with the support of Dean of different colleges and Head of the different Departments.

e- Waste

Electronic items that are being replaced or discarded and are harmful because they contain poisonous metals in their internal components, coatings, and glass are referred to as "e-waste." Metals and other substances included in e-waste can be dangerous to both human health and the environment if they are not properly managed. BUAT, Banda recognises the importance of handling and removing electronic waste properly.

Electronic waste, or e-waste, is defined as anything that contains electronic components, such as computers, keyboards, monitors, phones, printers, televisions, fax machines, and audio equipment.


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e-waste Policy Guidelines:

- The BUAT, Banda works to preserve the environment from the consequences of e-waste and to ensure environmental conservation.
- BUAT, Banda acknowledges:
 - The requirement for precise e-waste management regulations.
 - The necessity to dispose of electronic trash in a way that protects its employees, students, and institutional operations.

Implementation

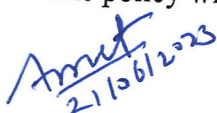
- The inventory of the university's total e-waste must be kept up to date by the central store in-charge.
- All electronic items, including computers and computer accessories, must be delivered to the college store, and the e-waste that has been collected is subsequently delivered to the university's central store. The central store created a special chamber where all the electronic garbage is safely stored.
- Following that, as instructed by the relevant authorities, the central store and the designated committee will decide whether or not the e-waste should be recycled or put up for auction.
- Registrar of the university is responsible for preserving records and certifying the disposal of all e-waste.

Food waste

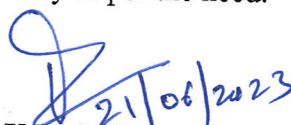
The food waste generated from the hostels/residential block/guest house/ canteen is daily collected by the persons from the different live stock as a feed materials.

General Action Points:

- On the basis of policy, a committee will be constituted to implement the waste management.
- The policy will be reviewed regularly as per the need.


21/06/2023

Dr. Amit Mishra
(Member)


21/06/2023

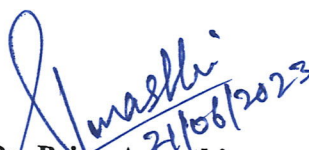
Dr. Umesh Chandra
(Member)



Dr. Mayank Dubey
(Member)



Dr. Shalini Purwar
(Member)


21/06/2023

Dr. Priya Awasthi
(Chairperson)

Er. Sanjay Kumar
(Member Secretary)


(S.K. Singh)

Registrar

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