



Criterion 7- Institutional Values and Best Practices

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste



Y B N UNIVERSITY

RAJAUlatu, NAMKUM, RANCHI (Jharkhand)

Established by the Act. of Government of Jharkhand Act. 15, 2017
Gazette Notification No. 505, Dated 17 July 2017
As per Section 2(f) of UGC Act. 1956



7.1.3

Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management.
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

YBN University, Ranchi is dedicated to use its resources and providing a clean eco-friendly environment with proper waste management and infection control measures.

Solid waste management:

Waste management & recycling helps the campus to achieve its goal to reduce the amount of waste production. The major sources of solid waste generation followed by various hostels and kitchens. Waste is collected daily from dustbins and sent to authorized vendors of the University. Organic solid waste is treated on-site with an organic waste convertor.

Liquid waste management

The specification and design of all water systems enable the management staff to monitor the system by remote means. The wastewater treatment process facilitates the treatment of existing contaminants in the water or reduces the concentration of such contaminants so that the water becomes fit for the desired use. Wastewater generated in the campus is disposed off into sewage treatment plants (STP). The sludge settled in the STPs is removed and is used as manure for the gardens and landscaping. Thus, the entire wastewater which is generated in the campus is treated and used. Effluent treatment plant (ETP) is also placed in the campus for the safe disposal of Water.

Biomedical waste management

Waste recycling system Storage of biomedical waste is done as per BMW rule 2016 and subsequent amendments. Color-coded bins are placed at desired places wherever necessary.

Electronic wastes

Electronic wastes include computer monitors, printers, scanners, keyboards, mics, cables, television tubes, Kitchen equipment (toasters, coffee maker, microwave ovens) and laboratory equipment. E-waste collected at the site is transferred for wiping or recycling to the local vendors every year.



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Waste recycling system

Bio gas plant using kitchen waste generates gas to cook food in the kitchen. Paper is cut in small pieces to be recycled for reuse. Waste water is recycled to produce clean water for reuse



Waste Management Policy

YBN University, Jharkhand



YBN UNIVERSITY

Established by the Act of Government of Jharkhand Act 15, 2017
Gazette Notification No. 505, Dated 17th July 2017
As per Section 2(f) of UGC Act. 1956

1. Introduction

Waste management is a vital component of modern environmental sustainability practices. At YBN University, Jharkhand, we recognize our responsibility to preserve the environment, promote public health, and ensure compliance with national and international waste management regulations. As an educational institution committed to fostering a clean, safe, and ecologically conscious campus, we have developed this comprehensive Waste Management Policy to guide the systematic collection, segregation, treatment, and disposal of all types of waste generated within the university premises.

The growing complexity of waste, especially due to the increase in technological and laboratory-based activities, demands specialized and well-monitored strategies. YBN University seeks to establish a robust waste management framework that not only adheres to legal mandates but also cultivates an eco-conscious culture among students, faculty, and staff.

Objectives of the Policy

- To implement a structured system for the **segregation, collection, storage, treatment, and disposal** of different types of waste.
- To ensure **compliance with the national waste management regulations**, including Biomedical Waste Management Rules (2016), Hazardous Waste Rules, and E-Waste Management Rules.
- To foster the practice of **waste minimization, recycling, and sustainable disposal methods**.
- To promote **training and awareness** among all university stakeholders regarding safe and hygienic waste management.
- To **mitigate environmental pollution** and maintain the cleanliness and health of the university campus and surrounding communities.

2. Waste Classification and Management Procedures

Waste generated within YBN University is classified into five major categories: **solid waste**, **liquid waste**, **biomedical waste**, **e-waste**, and **chemical waste**. Each category is managed through a detailed and responsible set of procedures.

A. Solid Waste Management

Solid waste constitutes the most common type of waste generated at the university. It includes biodegradable materials such as food and garden waste, as well as non-biodegradable items like plastic wrappers, paper waste, packaging materials, and other disposables.

Procedures for Solid Waste Management:

1. Segregation:

- **Biodegradable waste** (e.g., food scraps, plant trimmings) is collected in **green bins**.
- **Non-biodegradable waste** (e.g., plastics, paper, cans) is deposited in **blue bins**.

This initial segregation at source is crucial to ensure effective downstream processing.

2. Collection and Storage:

- Housekeeping staff carry out **daily collection** of waste from classrooms, hostels, laboratories, cafeterias, and office areas.
- Waste is temporarily held at **designated collection centers** with proper labeling and containment facilities.

3. Treatment and Disposal:

- **Biodegradable waste** is composted using organic composting methods, including vermicomposting, and used for campus landscaping.
- **Non-biodegradable waste** is segregated further for **recycling or handed over to Ranchi Municipal Corporation** or authorized waste disposal vendors.

B. Liquid Waste Management

Liquid waste is generated primarily from **kitchens, bathrooms, laboratories, hostels, and sewage systems**. It includes both domestic effluents and laboratory discharges, some of which may be hazardous.

Procedures for Liquid Waste Management:

1. Segregation:

- **Domestic wastewater** (from bathrooms and kitchens) is treated as general effluent.
- **Laboratory wastewater**, especially those containing chemicals, is handled separately and treated as potentially hazardous.

2. Collection and Storage:

- The university's **drainage infrastructure** directs domestic wastewater to the **Sewage Treatment Plant (STP)** located on campus.
- **Chemical wastewater** from laboratories is collected in **sealed containers** and stored in secure containment areas.

3. Treatment and Disposal:

- **STPs** are used to treat domestic wastewater to acceptable environmental standards before discharge.
- **Chemical wastewater** undergoes **neutralization and dilution** before safe disposal, adhering to **CPCB and SPCB guidelines**.

C. Biomedical Waste Management

Biomedical waste originates from the **university's hospitals, dental clinics, Ayurveda and naturopathy centers**, as well as teaching laboratories. This includes syringes, gloves, gauze, soiled dressings, expired medicines, and herbal waste.

Procedures for Biomedical Waste Management:

1. Segregation:

In accordance with the **Biomedical Waste Management Rules, 2016**, the following color-coded bins are used:

- **Yellow:** Human anatomical waste and soiled materials
- **Red:** Contaminated recyclable plastic waste
- **Blue:** Glassware and metallic body implants
- **Black:** General biomedical waste (non-hazardous)

2. Collection and Storage:

- Biomedical waste is **collected daily** in color-coded bins, handled by trained personnel wearing PPE.
- Temporarily stored in a **dedicated biomedical waste storage area**, equipped with biohazard labels and restricted access.

3. Treatment and Disposal:

- **Autoclaving, shredding, or incineration** is carried out through collaboration with **authorized biomedical waste disposal agencies**.
- **Herbal residues** from Ayurveda units are composted or incinerated depending on their nature and volume.

D. E-Waste Management

E-waste includes **obsolete or non-functional electronic devices** such as computers, monitors, printers, lab equipment, and batteries.

Procedures for E-Waste Management:

1. Segregation:

- A separate system exists for **collecting e-waste** from various departments.
- Damaged and obsolete items are labeled and classified based on their potential for reuse or disposal.

2. Collection and Storage:

- E-waste is stored in a **secure, well-ventilated area** with protective packaging to prevent damage and leakage.

- Periodic inspection and categorization is carried out to separate **functional components** for reuse or recycling.

3. Treatment and Disposal:

- YBN University partners with **government-authorized e-waste recyclers** to ensure safe recycling and disposal.
- Data-sensitive devices undergo **data wiping** before being sent for processing.

E. Chemical Waste Management

Chemical waste arises from laboratory work, pharmaceutical and Ayurveda preparations, and research and development activities.

Procedures for Chemical Waste Management:

1. Segregation:

- Waste is categorized into **hazardous** and **non-hazardous** categories.
- All containers are **labeled with chemical names, hazard symbols**, and date of generation.

2. Collection and Storage:

- Collected in **leak-proof containers** with tight lids to prevent spillage.
- Stored in **designated chemical waste rooms** with fire safety and ventilation systems.

3. Treatment and Disposal:

- **Neutralization of acids and alkalis** is performed before disposal.
- **Hazardous chemical waste** is handled by **licensed hazardous waste management agencies** for incineration or secure landfilling.

3. Compliance, Training, and Monitoring

Regulatory Compliance

YBN University is committed to complying with all relevant national legislation related to waste management, including:

- **Biomedical Waste Management Rules (2016)**
- **Hazardous and Other Wastes (Management and Transboundary Movement) Rules**
- **E-Waste (Management) Rules**
- Guidelines issued by CPCB and Jharkhand State Pollution Control Board

Training and Awareness Programs

- Regular workshops and awareness campaigns are conducted to **educate students, faculty, and staff** about waste segregation, health hazards, and personal protective equipment usage.
- Specific training is provided for **laboratory assistants, housekeeping staff**, and those handling biomedical and chemical waste.

Monitoring and Reporting

- The university will conduct **annual environmental audits** to assess the effectiveness of waste management practices.
- A **Waste Management Committee**, comprising faculty, administrative staff, and student representatives, will monitor implementation and submit periodic reports to the administration.

4. Conclusion

At YBN University, waste management is viewed not just as a regulatory obligation, but as an essential pillar of our environmental and institutional ethos. Through this policy, we affirm our commitment to environmental stewardship, sustainability, and the well-being of our academic community.

By strictly adhering to the outlined procedures for the classification, handling, and disposal of waste, we aim to establish a model campus that is clean, green, and safe. As we move

forward, continuous improvement, stakeholder participation, and technological innovation will remain at the core of our waste management initiatives.

We encourage all members of the university—students, faculty, and staff—to take ownership of their roles in creating an ecologically responsible campus and contributing to broader environmental sustainability goals.

TAX INVOICE

(ORIGINAL FOR RECIPIENT)



Green Recycling Waste Management Pvt. Ltd. (Raj.)
F- 850 Riico Industrial Area, PATHERADI,
BHIWADI, Alwar, Rajasthan, 301019
GSTIN/UN: 08AAFCN4669Q1ZK
State Name : Rajasthan, Code : 08
E-Mail : accounts@greenrecycling.in

Consignee (Ship to)

YBN UNIVERSITY

Ranchi Jharkhand 834010

State Name : Jharkhand, Code : 20

Buyer (Bill to)

YBN UNIVERSITY

Ranchi Jharkhand 834010

State Name : Jharkhand, Code : 20

Place of Supply : Jharkhand

Invoice No.	Dated
GRWM/25-26/80097	2-Jun-25
Delivery Note	Mode/Terms of Payment
Reference No. & Date.	Other References
GRWM/25-26/80097 dt. 2-Jun-25	
Buyer's Order No.	Dated
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination
Terms of Delivery	

SI No.	Description of Services	HSN/SAC	Quantity	Rate (Incl. of Tax)	Rate	per	Amount
1	AGREEMENTS CHARGES Agreement Charges for 3 Year Igst @18%	999432					25,000.00 4,500.00
Total							₹ 29,500.00

E. & O.E

Amount Chargeable (in words)

INR Twenty Nine Thousand Five Hundred Only

HSN/SAC	Taxable Value	Rate	IGST Amount	Total Tax Amount
999432	25,000.00	18%	4,500.00	4,500.00
Total	25,000.00		4,500.00	4,500.00

Tax Amount (in words) : INR Four Thousand Five Hundred Only

Declaration

Payment to be made within 15 days from the date of the invoice.
In case of any dispute, the exclusive jurisdiction shall lie with the Courts in Delhi

Customer's Seal and Signature

Company's Bank Details

A/c Holder's Name: GREEN RECYCLING WASTE MANAGEMENT PRIVATE LIMITED

Bank Name : BANK : ICICI -050905003170

A/c No. : 050905003170

Branch & IFS Code: BHIWADI & ICIC0000509

VIVEK
KUMAR

For Green Recycling Waste Management Pvt. Ltd. (Raj.)

VIVEK KUMAR

Date: 2025.06.04

11:33:19 +05'30'

Authorised Signatory

SUBJECT TO DELHI JURISDICTION

This is a Computer Generated Invoice

TAX INVOICE

(DUPLICATE FOR SUPPLIER)



Green Recycling Waste Management Pvt. Ltd. (Raj.)
F- 850 Rilco Industrial Area, PATHERADI,
BHIWADI, Alwar, Rajasthan, 301019
GSTIN/UIN: 08AAFEN4669Q1ZK
State Name : Rajasthan, Code : 08
E-Mail : accounts@greenrecycling.in

Invoice No.	Dated
GRWM/25-26/80097	2-Jun-25
Delivery Note	Mode/Terms of Payment
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Ranchi Jharkhand 834010

State Name : Jharkhand, Code : 20

Place of Supply : Jharkhand

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A/c No. : 050905003170

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for Green Recycling Waste Management Pvt. Ltd. (Raj.)

VIVEK
KUMARVIVEK KUMAR
Date: 2025.06.04
11:33:33 +05'30'

Authorised Signatory

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Y B N UNIVERSITY

RAJLAULATU, NAMKUM, RANCHI (Jharkhand)
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Gazette Notification No. 505, Dated 17 July 2017
As per Section 2(f) of UGC Act. 1956

AGREEMENT FOR COLLECTION OF E- waste management & other waste Disposal and recycling service management

This Waste Collection Agreement ("Agreement") is made on 19th May 2024 by and between M/S. YBN UNIVERSITY Established by Act of Government of Jharkhand Act, 15, 2017 and having its Operating Office at Rajaulatu, Namkum, Ranchi-834010, Jharkhand represented through Mr. Arvind Yadav who has been duly authorized to enter and execute this agreement hereinafter referred to as "FIRST PARTY" (which expression shall unless otherwise repugnant to the context or meaning thereof to include its successors and assigns) of the ONE PART.

AND

M/S GREEN RECYCLING WASTE MANAGEMENT PVT. LTD., F-850, RIICO Industrial Area Pathredi, Chopanki, Bhiwadi, Alwar (Rajasthan)-301019, represented through Mr. Munna Lal Chaudhary, who has been duly authorized to enter and execute this agreement hereinafter referred as second party hereinafter.

The first and second parties are collectively referred to as the "Parties" and individually as the "Party".

WHEREAS the first party is a university engaged in Academic and Research Activity and desires to take service of E-waste & other waste Disposal and recycling service management

AND WHEREAS in consideration of the mutual covenants and provisions contained herein, the Parties hereto agree as follows:

(a) It shall be the liability of the second party to lift the E-waste & other waste from the premises of the first party located at Bhiwadi as and when requested.

(b) This agreement shall be effective from 1st May 2025

(c) First party shall submit a D.D. / Cheque / NEFT of Agreement Charges INR Rs. 25000/- Three Years + GST@18% Extra Applicable for E-Waste & Other Waste in favor of the second party against the service charges agreed by the parties in advance (Applicable for the non-Membership party)

(d) It shall be the responsibility of the second party to lift E-Waste & Other Waste within 2- 5 days from the date of Request from the first party.

(e) After removing the E-Waste & Other Waste from the first party, the second party will issue their invoice and then the first party will make the payment.

Campus: YBN University, Rajaulatu, Power Grid Road, Namkum, Ranchi-834010(Jharkhand)

Ph : 9431104112 , 9709500400

Email:ybnuniversity2017@gmail.com|Website : www.ybnuniv.ac.in





Y B N UNIVERSITY

RAJLAULATU, NAMKUM, RANCHI (Jharkhand)
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(d) The Second Party shall be liable to comply with all rules, regulations, and procedures laid down by MOEF guidelines, for the collection and disposal of waste and comply with the rules framed with Hazardous Waste Management Rules, 2016.

(g) The Second party shall issue manifest as prescribed at the time of the lifting of E-Waste and other Waste.

(h) Second party shall issue a Disposal Certificate after 15 days of lifting waste & after payment from the premises of the first party.

(i) Lifting and Transportation of waste from the site of the first party, shall be the responsibility of the second party.

That the E-Waste & Other Waste are properly packed and tagged as per the guidelines of the Rules of 2016 & keep it ready at the doorstep on the scheduled time for transportation. The second party will collect the waste and should be segregated, and properly packed.

(j) It shall be the liability of the second party to maintain records as per waste rules and to guide the first party for documentation required under waste rules. That the second party will provide the disposal certificate.

k) As per the Extended Producer Responsibility (EPR) guidelines issued by the Central Pollution Control Board (CPCB), during the term of this agreement, you shall not provide any material intended for disposal or recycling to us. In the event that you provide any such material to any vendor who is not registered with the CPCB instead of us, you shall be solely responsible for any consequences arising from this action. Furthermore, we will not provide any legal documentation such as Form 2 to Form 15 and certification.

(l) Second party agrees and undertakes to indemnify the first party for any liability, claims including third party claims, legal actions arising out due to any negligent action due to Transportation, accident, or any other event during the disposal of Plastic Waste & Other Waste, misuse, Mishandling, pilferage or spillover Hazardous waste. Pre-transport hazards & risk thereto if any shall be on the part of the second party, the first party shall not be liable thereto.

(m) That the second party shall comply at their own expense with all local, national, and regional, regulations, codes, standards, and directives.

(n) That the second party shall ensure that the Material is transported safely and there is no leakage during transit.

(o) That the second party shall ensure that all government rules and regulations are complied with.

Campus: YBN University, Rajaulatu, Power Grid Road, Namkum, Ranchi-834010(Jharkhand)
Ph : 9431104112, 9709500400

Email:ybnuniversity2017@gmail.com|Website : www.ybnuniv.ac.in





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(p) That the dispatch documents, including gate pass, sales tax or GST as applicable shall be the liability of the first party.

2. Term - This agreement shall be in force for Three year's time validity from 1st May 2025 to 31st April 2027 unless and until terminated by the first party by giving one-month prior notice in writing.

3. Miscellaneous -

(a) This Agreement may be terminated at any time by the first party after 30 days before serving notice to the second party. In the event of such termination, the party will pay for services performed or amounts due for Material processed up to the date of such termination and not thereafter.

(b) That, our Company shall be bound not to disclose any information, material, or Documents in public, media, and if there is any kind of misuse of the products or material in the market so we are responsible for this.

IN WITNESS WHEREOF, the parties here to have executed this Agreement on the date

M/s YBN University

Authorized Signatory

Name:

Chief Finance Officer

Designation:

YBN University

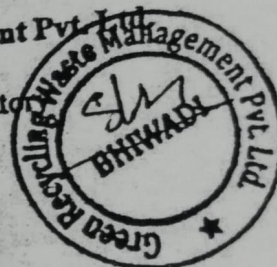
Ranchi, Jharkhand

For M/s Green Recycling Waste Management Pvt. Ltd.

Authorized Signatory

Name:

Designation:



WITNESS #1

Signature:

Name:

Dr. Ashish Sarkar

Address:

Rupendare 303, Namkum,
Ranchi

WITNESS #2

Signature:

Name:

Address:

Siya Ghosh

Campus: YBN University, Rajaulatu, Power Grid Road, Namkum, Ranchi-834010(Jharkhand)
Ph : 9431104112, 9709500400

Email: ybnuniversity2017@gmail.com | Website : www.ybnuniv.ac.in