

7.1.3 Facilities in the Institution for the management of degradable and non-degradable waste

Response:

Centurion University is deeply committed to fostering a **zero-waste, sustainable ecosystem** across its campuses. Its waste management practices address environmental concerns and align with the **United Nations Sustainable Development Goals (SDGs)**, particularly SDG 7 (Affordable and Clean Energy) and SDG 15 (Life on Land).

1. Recycling and Value-Added Product Development

- **Paper and Fabric Waste:** Office paper waste and fabric waste from the apparel manufacturing unit are processed into **hand-made paper and gift items**.
- **Plastic Waste:** Campus-generated plastic waste is recycled into **paver blocks** for infrastructure development.
- **Agricultural and Biowaste:** Paddy straw and biowaste are transformed into eco-friendly products like **packaging materials (egg baskets), eco-pens, and eco-pencils**.
- **Single-Use Plastics:** The University has implemented a strict **ban on single-use plastics** on all campuses.

2. Liquid Waste Management

- A robust **Sewage Treatment Plant (STP)** network with a total capacity of **6 lakh liters/day** manages liquid waste effectively.
- Treated water from STPs is repurposed for **sprinkler irrigation** of sports fields, lawns, gardens, and agricultural use.
- Each STP includes an on-site **testing laboratory** for quality assurance.
- Solid waste sediment from STPs is converted into **organic manure** for landscaping and agriculture.

Through these initiatives, the University ensures effective waste management while contributing to sustainability and environmental stewardship.