



GREEN AUDIT PROGRAM POLICY

1. Objectives & Scope

The primary goal is to assess the university's environmental impact and compliance with sustainability standards.

Baseline Assessment: Quantify current resource consumption.

Compliance: Ensure the campus meets local and national environmental laws.

Awareness: Foster a culture of "green thinking" among students and staff.

2. The Core Audit Pillars

Following are the key thematic areas for Green Audit:

A. Water Audit & Resource Management

SBBU SBA and its constituent campuses shall implement a rigorous monthly oversight program to manage hydro-resources and mitigate environmental impact. This protocol includes:

Infrastructure Integrity: Systematic identification and rectification of distribution losses, including leaking faucets, flushing malfunctions, and inefficiencies in campus-wide irrigation networks.

Pollution Control & Monitoring: Regular testing and monitoring of water sources to prevent contamination and ensure compliance with national environmental safety standards.

Conservation & Harvesting: Evaluation and maintenance of rainwater harvesting systems to maximize groundwater recharge and reduce reliance on external municipal supplies.

Reclamation & Reuse: Verifying the operational efficiency of Sewage Treatment Plants (STP) and implementing "Gray Water" recycling strategies for landscaping and non-potable institutional needs.

B. Energy Audit & Efficiency Protocol

SBBU SBA and its campuses shall conduct monthly energy performance evaluations to optimize power consumption and reduce the institutional carbon footprint. This protocol includes:

Infrastructure Monitoring: Regular assessment of HVAC systems, laboratory equipment, and lighting loads to ensure peak operational efficiency.



Transition to Renewables: Monitoring the output and maintenance of solar photovoltaic (PV) arrays.

Audit Metrics: Tracking monthly Kilowatt-hour (kWh) consumption against occupancy rates to identify and rectify energy spikes or "vampire" power draws.

C. Comprehensive Waste & Hardware Management

The university shall maintain a robust **Waste Diversion Program** centered on the "Reduce, Reuse, Recycle" framework, with a specialized focus on technical and hardware assets:

Resource Recovery: Obsolete hardware that cannot be reused internally shall be disposed of through certified e-waste recyclers to ensure the recovery of precious metals and safe handling of toxic components.

Waste Segregation: Enforcement of a multi-stream waste system (Organic, Inorganic, Recyclable, and Hazardous) across all departments and canteens.

Circular Initiatives: Programs to reduce single-use plastics and the implementation of a "Paperless Campus" initiative through the expanded use of Learning Management Systems (LMS).

D. Greenery, Landscaping & Biodiversity

SBBU SBA and its constituent campuses shall commit to the development and maintenance of scientific landscaping and the management of campus lawns:

Botanical Census: Maintenance of campus flora to monitor growth, health, and carbon appropriation potential.

Native Landscaping: Prioritizing the cultivation of indigenous plant species that require minimal irrigation, and chemical fertilizers, helpful for research and development, thereby supporting local biodiversity and institutional growth.

Lawn Management: Implementing sustainable grass management practices, including the use of treated wastewater (reclaimed from the Water Audit protocol) for irrigation.

Micro-Climate Enhancement: Strategically expanding the campus canopy to create "Cool Zones," reducing the urban heat island effect and lowering the cooling demand for adjacent buildings.



3. Implementation Workflow

Audit type	Responsible Person/Team/Committee
Water Audit & Resource Management	Solid Waste & Water Management Committee
Energy Audit & Efficiency Protocol	Civil Works/ Electrics Department
Waste & Hardware Management	Solid Waste & Water Management Committee
Greenery, Landscaping & Biodiversity	Greenery / Forest and Plant Vegetation Committee

Shakil

Registrar
SBBU-SBA

Date: