

# **Green and Energy Audit Policy**

**Nalbari Commerce College, Nalbari**

**Waste Not, Want: Reducing, Reusing, and  
Recycling**

**Prepared by**

**Internal Quality Assurance Cell (IQAC)**



**NALBARI COMMERCE COLLEGE**

**P.O.: Chowbazar, Dist.: Nalbari, Assam**

# **Green and Energy Audit Policy**

## **Nalbari Commerce College, Nalbari**

### **1. Introduction**

Nalbari Commerce College recognises the importance of sustainable practices to reduce environmental impact and foster a culture of sustainability on campus. This Green Audit Policy aims to provide a clear framework for auditing the ecological practices of the college, focusing on water, energy, waste, and overall carbon footprint, while promoting eco-friendly initiatives and awareness among students and staff.

The policy will guide the planning and execution of the Green Audit process for the academic year 2021-2022 and beyond, under the consultation of a renowned professional or group of professionals. Necessary professional fees shall be paid by the college authority.

### **2. Vision**

Our vision is to create a sustainable and eco-friendly campus environment by reducing the ecological footprint of the college. The Green Audit will contribute to achieving the following goals:

1. **Sustainable Development:** Promote energy efficiency, water conservation, waste management, and a green campus.
2. **Environmental Awareness:** Encourage active participation of students, faculty, and staff in sustainability initiatives.
3. **Compliance with Standards:** Meet national and international standards for environmental sustainability, such as NAAC accreditation and green certification.

### **3. Total Campus Area & College Building Spread Area:**

Nalbari Commerce College occupies a campus area of approximately 4.5 Bighas and includes various academic buildings, hostels, administrative blocks, laboratories, and recreational facilities. A detailed description of the campus layout, infrastructure, and space allocation will be included as part of the audit.

### **4. Previous NAAC Grading:**

The previous NAAC grading of the college reflects the institution's commitment to quality education and sustainability. This Green Audit will contribute to improving the NAAC criteria by integrating sustainability into campus operations and enhancing eco-friendly practices.

### **5. Commitment to the College Management**

The college management is committed to ensuring environmental sustainability by supporting the Green Audit process. The College Principal, along with key administrative and academic leaders, will ensure the allocation of necessary resources and provide full support to the audit team and initiatives arising from audit recommendations.

## 6. Scope and Goals of Green Auditing

### Scope of Green Auditing:

The Green Audit will cover the following areas:

1. Water Management
2. Energy Management
3. Waste Management
4. Green Campus Management
5. Carbon Footprint Management

### Goals:

1. **Identify Areas for Improvement:** The audit will help identify inefficiencies in water, energy, and waste management.
2. **Promote Sustainable Practices:** Encourage the adoption of sustainable practices across all departments.
3. **Track Environmental Impact:** Monitor the campus's environmental impact in terms of energy use, water consumption, waste generation, and carbon emissions.
4. **Create an Action Plan:** Develop a strategic plan to reduce the college's ecological footprint based on the audit results.

## 7. Methodology of Green Auditing

The Green Audit will be conducted in three main stages: Pre-Audit, Audit, and Post-Audit.

### Pre-Audit Stage

1. **Data Collection:** Historical data on water, energy consumption, waste generation, and carbon emissions will be collected.
2. **Scope & Target Areas:** Define the key focus areas such as water usage, energy efficiency, waste disposal, etc.
3. **Survey Forms:** Surveys will be distributed to students, staff, and faculty to gather feedback on existing sustainability practices.

### Audit Stage

1. **Involvement of Stakeholders:** Students, faculty, and staff will be actively involved in the audit process through clubs, forums, and direct participation.
2. **Site Inspections & Interviews:** Physical inspections and interviews with relevant stakeholders to identify key environmental issues and practices.

3. **Documentation & Policy Review:** Review of current policies, energy bills, water usage records, waste management protocols, and any other relevant documents.

#### **Post-Audit Stage**

1. **Key Findings & Observations:** The audit team will compile key findings, such as areas where energy is being wasted, water use inefficiencies, or gaps in waste management.
2. **Action Plan & Recommendations:** An action plan with specific recommendations will be prepared to address the findings.
3. **Follow-Up Actions:** A mechanism will be put in place for monitoring and evaluating the implementation of the recommendations.

#### **8. Target Areas for Green Auditing**

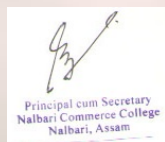
1. **Water Management Audit Focus:** Assessing water consumption, identifying leakage points, and exploring methods for rainwater harvesting and water recycling.
2. **Energy Management Audit Focus:** Examining energy consumption patterns, energy efficiency of buildings, lighting systems, and HVAC systems. The focus will also be on transitioning to renewable energy sources.
3. **Waste Management Audit Focus:** Analyzing the waste generation practices, recycling initiatives, and overall waste disposal methods.
4. **Green Campus Management Audit Focus:** Promoting green spaces, tree planting, biodiversity conservation, and overall campus greening efforts.
5. **Carbon Footprint Management Audit Focus:** Estimating the total carbon emissions of the college based on energy use, transportation, waste disposal, and overall operations.

#### **Conclusion:**

The Green Audit of Nalbari Commerce College is an essential step in the college's commitment to sustainability. The findings and recommendations from this audit will not only reduce the environmental impact but also serve as a model for other institutions in the region. Through continuous improvement and engagement of the entire college community, Nalbari Commerce College will work towards becoming a more sustainable institution.

# **Waste Not.....**

## **Want: Reducing, Reusing, and Recycling**



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