

# OFFICE OF THE PRINCIPAL HABRAGHAT MAHAVIDYALAYA

Affiliated to Gauhati University, Guwahati, Assam  
The college is covered under Section 2(f) and 12(B) of the UGC Act, 1956

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## Habraghat Mahavidyalaya, Krishnai Action Taken Report On Environmental and Energy Use Policies

### 1. Introduction

- ❖ **Purpose of the Report:** To outline the actions taken by the college in response to environmental and energy use policies, assess their effectiveness, and identify future steps.
- ❖ **Scope:** Covers actions for the Session 2018-19 to 2022-23.

### 2. Environmental Policy Actions

#### 1. Waste Management

- ❖ **Initiatives Implemented:**
  - Established campus-wide recycling programs for paper, plastics, and metals.
  - Introduced composting for organic waste in dining facilities.
- ❖ **Results:**
  - Achieved reduction in landfill waste.
  - Collected good quantity of recyclables and compostable materials.
- ❖ **Challenges:**
  - Difficulty in engaging all departments.
  - Need for additional training for staff and students.

#### 2. Water Conservation

- ❖ **Initiatives Implemented:**
  - Installed rain water harvesting plant.
  - Upgraded irrigation systems to use reasonable quantity.
- ❖ **Results:**
  - Reduced water consumption.
  - Achieved reduction in bills.
- ❖ **Challenges:**
  - Some resistance to changes in water usage habits.
  - Ongoing need for maintenance and monitoring.



  
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### 3. Energy Conservation

#### ❖ Initiatives Implemented:

- Replaced incandescent bulbs with energy-efficient LEDs.
- Implemented energy-saving practices.

#### ❖ Results:

- Reduced energy consumption.
- Achieved reduction in energy costs.

#### ❖ Challenges:

- High initial costs for equipment upgrades.
- Need for continued education on energy-saving practices.

### 4. Sustainable Practices

#### ❖ Initiatives Implemented:

- Adopted green procurement policies for purchasing office supplies and equipment.
- Promoted alternative transportation options like biking and carpooling.

#### ❖ Results:

- Increased use of eco-friendly products.
- Enhanced participation in campus transportation programs.

#### ❖ Challenges:

- Limited participation in alternative transportation programs.
- Need for further development of green procurement options.

### 5. Education and Engagement

#### ❖ Initiatives Implemented:

- Proposed to integrate environmental sustainability into the curriculum.
- Organized workshops and seminars on sustainability.

#### ❖ Results:

- Engaged good number of students and staff in sustainability programs.
- Increased awareness and knowledge on environmental issues.

#### ❖ Challenges:

- Difficulty in reaching all segments of the campus community.
- Need for more interactive and practical sustainability education.



  
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### 3. Energy Use Policy Actions

#### 1. Energy Efficiency

- ❖ Initiatives Implemented:
  - Conducted energy audits and implemented recommended improvements.
  - Upgraded existing infrastructure with energy-efficient technologies.
- ❖ Results:
  - Improved energy efficiency.
  - Lowered energy consumption and costs.
- ❖ Challenges:
  - Balancing cost and benefit for some energy-saving technologies.
  - Need for regular maintenance and updates.

#### 2. Renewable Energy

- ❖ Initiatives Implemented:
  - Proposed to Install solar panels on campus buildings.
  - Proposed to explore partnerships for purchasing renewable energy.
- ❖ Results:
  - To be Generated renewable energy.
  - To be reduced reliance on non-renewable energy sources.
- ❖ Challenges:
  - High initial investment for renewable energy infrastructure.
  - Ongoing maintenance and technical support requirements.

#### 3. Energy Monitoring and Management

- ❖ Initiatives Implemented:
  - Established benchmarks and reporting mechanisms.
- ❖ Results:
  - Identified areas for further energy savings.
- ❖ Challenges:
  - Need for ongoing training and support.

#### 4. Behavioral Practices

- ❖ Initiatives Implemented:
  - Launched awareness campaigns promoting energy-saving habits.
  - Introduced incentive programs for departments achieving energy savings.
- ❖ Results:
  - Increased participation in energy-saving initiatives.
  - Achieved good response in additional energy savings.



  
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❖ Challenges:

- Maintaining long-term engagement and participation.
- Evaluating the effectiveness of incentive programs.

5. Sustainability Goals

❖ Initiatives Implemented:

- Set specific targets for energy reduction and renewable energy use.
- Conducted periodic reviews of progress towards goals.

❖ Results:

- To meet the energy reduction targets.
- Made progress towards renewable energy goals.

❖ Challenges:

- Adjusting goals based on changing circumstances and advancements.
- Ensuring alignment of goals with institutional priorities.



  
(Dr. M. K. Das)  
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