

# EASTERN KARBI ANGLONG COLLEGE

Sarihajan, Karbi Anglong, Assam



## Key Indicator


### 7.1 Institutional Values and Social Responsibilities

#### Metric No. 7.1.6

Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus

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## Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1. The institutional environment and energy initiatives are confirmed through the following

1. Green audit
2. Energy audit
3. Environment audit

The institution prioritizes sustainability and environmental responsibility as integral components of its mission. To ensure a comprehensive approach to ecological preservation and energy efficiency, the institution undertakes structured audits, recognition programs, and community-driven initiatives.

### **Confirming Environmental and Energy Initiatives**


#### **1. Green Audit**

The institution conducts regular green audits to assess its environmental practices and ensure compliance with sustainable standards.

- **Key Areas Audited:**
  - Tree plantation and green cover management.
  - Waste segregation and recycling mechanisms.
  - Water conservation and rainwater harvesting systems.

### **Objectives of the Green Audit Cell in the College**

1. **Environmental Awareness**  
To raise awareness among students, staff, and faculty about environmental issues and sustainability practices, promoting a culture of eco-consciousness across the campus.
2. **Assessment of Environmental Impact**  
To conduct regular assessments and audits of the college's activities and infrastructure to evaluate their environmental impact, including energy consumption, water usage, waste generation, and carbon footprint.
3. **Sustainable Practices Promotion**  
To encourage the adoption of sustainable practices on campus, such as waste segregation, water conservation, energy efficiency, and the reduction of plastic usage, through educational programs and workshops.
4. **Resource Conservation**  
To develop strategies for the efficient use of resources, aiming to reduce waste, conserve water and energy thereby minimizing the ecological footprint of the college.

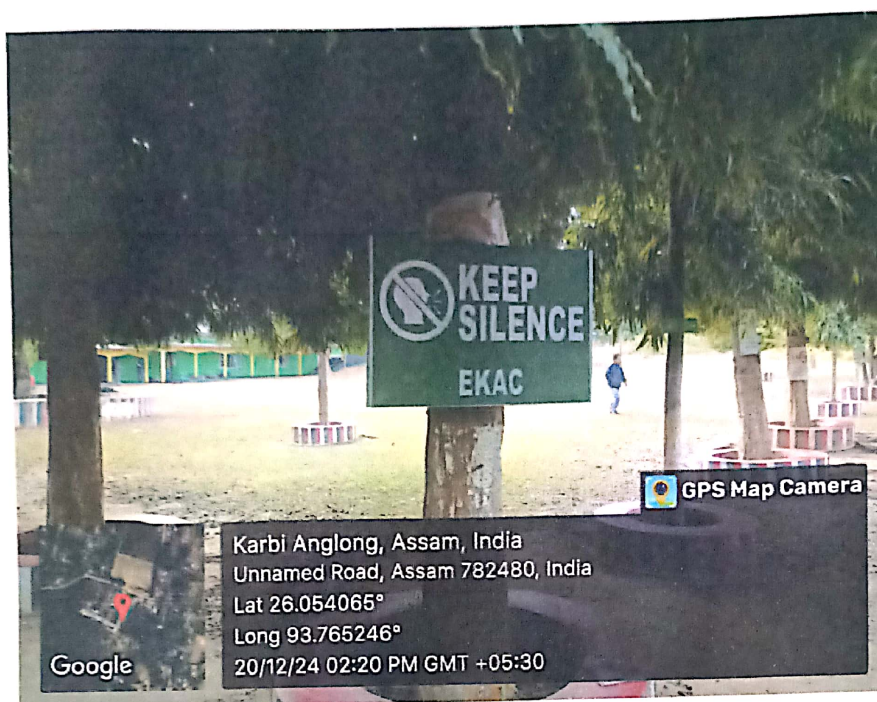
  
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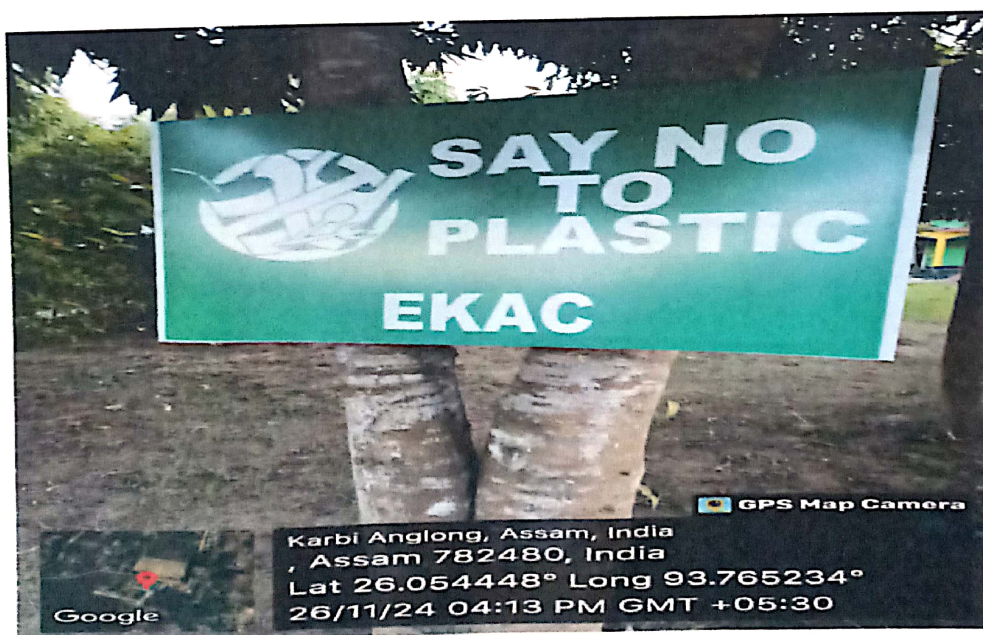
### Noise Pollution Management:


College campus is free from pressure horns, so the staffs and students are asked to keep the campus noise free.



### Soil Pollution Management:

The college has been trying to keep the campus plastic free by creating awareness in the college among the staffs and students by displaying boards as shown below:

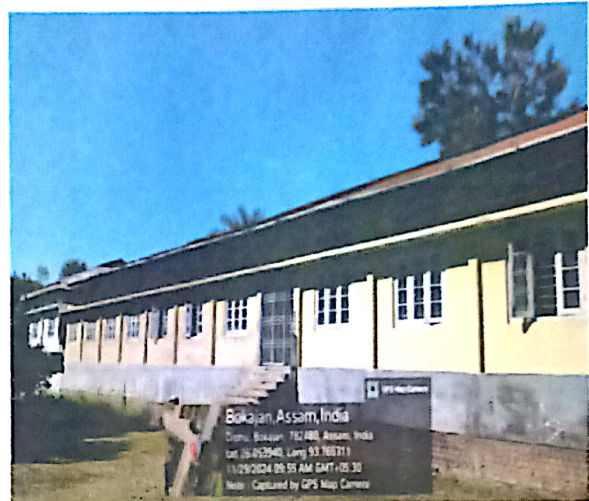


  
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## Rain Water Harvesting


Installation of rain water harvesting in the college has been carried out. The rain water coming from the tops are collected in a litre syntax as shown below:



## No smoking Zone

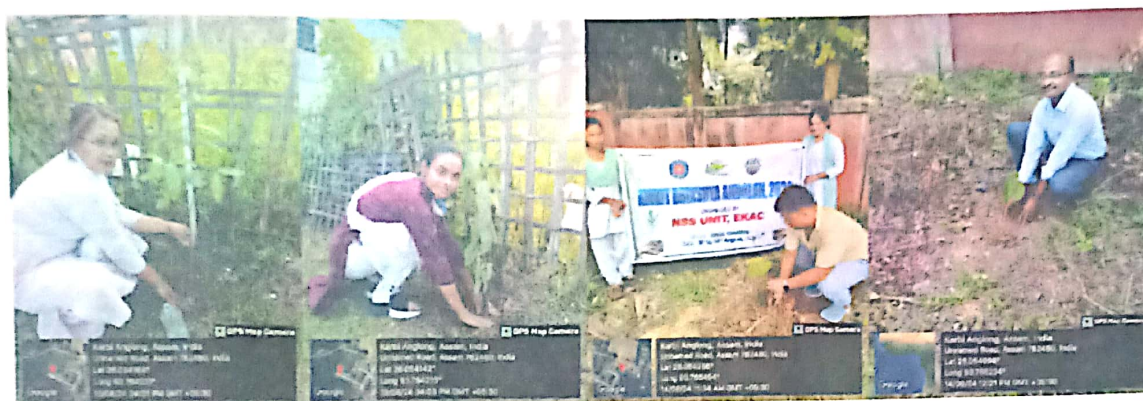
Display boards on no smoking is presented in the campus, thereby creating awareness. It is shown here as below:



  
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## Tree Plantation Programme

Tree plantation Programme has been carried out in the college. Some of the pics are attached herewith:



## Air pollution management:

Every year varieties of herbs, shrubs, and trees are planted in the college campus to improve air quality and grasp the carbon dioxide emitted from motor vehicles, air conditioners, refrigerators, etc. Below is a list of the plants currently found on the campus, provided in Table 1.

Table 1: Checklist of plants present in the campus

Serial no.	Local name	Scientific Name	Family
1	Sthalakamal	<i>Hibiscus mutabilis</i>	Malvaceae
2	Duranta	<i>Duranta repens</i>	Verbenaceae
3	Bagan sonaru	<i>Cassia siamea</i>	Fabaceae
4	White Kanchan	<i>Bauhinia acuminata</i>	Fabaceae
5	Deodar	<i>Polyalthelongifolium</i>	Annonaceae
6	Cashew	<i>Anacardium occidentale</i>	Anacardiaceae
7	Monisal	<i>Sapindusmukorossi</i>	Sapindaceae
8	Rangul	<i>Ixora sp</i>	Rubiaceae
9	Joba	<i>Hibiscus rosa-sinensis</i>	Malvaceae
10	Sewali	<i>Nyctanthes arbour-tristis</i>	Oleaceae
11	Garden Croton	<i>Codiaeum variegatum</i>	Euphorbiaceae
12	Bogori	<i>Ziziphus mauritiana</i>	Rhamnaceae
13	Star pine	<i>Araucaria heterophylla</i>	Araucariaceae
14	Bokul	<i>Mimusopselengi</i>	Sapotaceae
15	Thuja	<i>Thuja occidentalis</i>	Cupressaceae
16	Mussaenda	<i>Mussaendasp</i>	Rubiaceae
17	Mango	<i>Mangifera indica</i>	Anacardiaceae
18	Chir pine	<i>Pinus roxburghii</i>	Pinaceae
19	Azalea	<i>Rhododendron sp</i>	Ericaceae
20	Putranjiva plant	<i>Putranjivaroxburhii</i>	Euphorbiaceae
21	Neem	<i>Azadirachta indica</i>	Meliaceae

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22	Madhuri	<i>Psidium guajava</i>	Myrtaceae
23	Lychee	<i>Litchi chinensis</i>	Sapindaceae
24	Khejur	<i>Phoenix dactylifera</i>	Arecaceae
25	Dalim	<i>Punica granatum</i>	Lythraceae
26	Khorikajar	<i>Jasminum elongatum</i>	Oleaceae
27	Gulonch	<i>Plumeria</i> sp.	Apocynaceae
28	Hedge	<i>Clerodendrum inerme</i>	Lamiaceae
29	Cycas	<i>Cycas revoluta</i>	Cycadaceae
30	BilatiSonaru	<i>Cassia javanica</i>	Fabaceae
31	Nahor	<i>Mesua ferrea</i>	Callophyllaceae
32	Pink Joba	<i>Hibiscus</i> sp.	Malvaceae
33	Bonsum	<i>Phoebe hainesis</i>	Lauraceae
34	Gomari	<i>Gmelina arborea</i>	Lamiaceae

### Energy Audit

Energy audits are performed to evaluate energy consumption patterns and identify opportunities for efficiency improvements.

- **Focus Areas:**

- Monitoring electricity usage in academic, residential, and administrative buildings.
- Integration of renewable energy sources, such as solar panels.
- Installation of energy-efficient appliances and LED lighting.

  
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