



BIKALI COLLEGE

Affiliated to Gauhati University

SUPPORTING DOCUMENTS FOR NAAC SELF STUDY REPORT (SSR) 4TH CYCLE

PERIOD: 2018-23

CRITERION 7	KEY INDICATOR:
INSTITUTIONAL VALUES AND BEST PRACTICES	INSTITUTIONAL VALUES AND SOCIAL RESPONSIBILITIES
METRIC NUMBER: 7.1.2	THE INSTITUTION HAS FACILITIES AND INITIATIVES FOR ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES, MANAGEMENT OF WASTE, GREEN CAMPUS INITIATIVES, DISABLED FRIENDLY, BARRIER FREE ENVIRONMENT

PREPARED AND SUBMITTED BY
BIKALI COLLEGE, DHUPDHARA, GOALPARA-783123

The institution has facilities and initiatives for

1) Alternate sources of energy and energy conservation measures

Bikali College has taken significant steps to enhance energy conservation and integrate alternative energy sources, aiming to improve sustainability and reduce electricity expenses. The college has installed 55W solar panels across the hostel and campus, harnessing renewable energy to significantly decrease reliance on conventional electricity. Alongside solar panels, the installation of energy-efficient LED bulbs has led to a substantial reduction in electricity consumption and lower electricity bills. Additionally, the college enforces a strict policy requiring lights and fans to be turned off when not in use. This practice encourages further energy savings and reduces unnecessary energy consumption. Moreover, Bikali College educates students and staff about the importance of energy conservation and sustainable practices, fostering a culture of environmental responsibility within the campus community.

These measures provide numerous benefits for both the college and society at large. The initiatives result in substantial electricity cost savings and a reduction in overall energy consumption. By reducing dependence on conventional electricity sources, the college lowers its carbon footprint, aiding in environmental preservation. For society, these efforts serve as a commendable model of sustainable practices and energy efficiency, emphasizing the significance of renewable energy and conservation. Overall, Bikali College's commitment to these initiatives underscores its dedication to environmental responsibility and the promotion of sustainable living.

Photos:



Solar Lights and Panels in different locations



Solar Lights and Panels in different locations



Installation of LED Blubs in classrooms and library

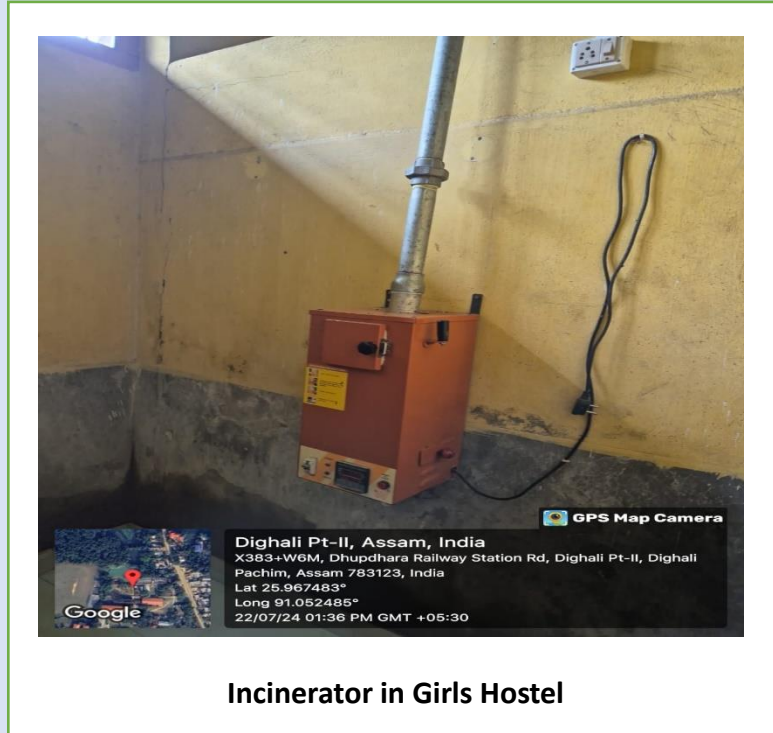
2) Management of the various types of degradable and non-degradable waste:

Bikali College maintains an exemplary waste management system that prioritizes environmental sustainability and campus cleanliness across various waste types. The college generates minimal solid waste, which is meticulously managed to adhere to eco-friendly practices. Biodegradable waste undergoes proper decomposition in designated pits, ensuring sustainable management, while non-biodegradable waste is carefully handed over to Dayal

Enterprise, Boko, Kamrup who is committed to recycling and reuse of these products. The College has also signed an MoU with the enterprise. Additionally, the installation of incinerators in both the girls' hostel and throughout the campus ensures hygienic disposal of sanitary napkins. Furthermore, liquid waste is efficiently handled through multiple septic tanks, guaranteeing effective treatment and disposal to uphold a sanitary environment on campus. Notably, the college does not produce biomedical waste, affirming its commitment to maintaining a safe and healthy campus environment free from the risks associated with such materials. For electronic waste (e-waste), Bikali College has established a dedicated storage room as an interim solution, ensuring safe containment until proper recycling facilities are accessible. The college's upcoming Vermicompost project aims to recycle organic waste into valuable compost, promoting sustainable waste management practices. In line with its dedication to safety and environmental responsibility, Bikali College does not generate hazardous chemicals or radioactive waste. This comprehensive approach ensures that all waste generated on campus is managed responsibly and sustainably, contributing to a clean and environmentally friendly college environment.

Photos:





Incinerator in Girls Hostel



Biodegradable Waste Management System

**MEMORANDUM OF UNDERSTANDING
BETWEEN
BIKALI COLLEGE, DHUPDHARA
AND
DAYAL ENTERPRISE, BOKO, KAMRUP**

This Memorandum of Understanding is made and entered into as of 13th July, 2022, by and between **BIKALI COLLEGE, DHUPDHARA, GOALPARA, PIN-783123, ASSAM** and **DAYAL ENTERPRISE, BOKO, KAMRUP, PIN-781123, ASSAM**.

1. PURPOSE

The purpose of this agreement is to establish a collaborative relationship between the College and Recycling House to facilitate the collection, transportation, and recycling of plastic waste generated by the College.

2. SCOPE OF THE SERVICES

The recycling house agrees to provide the following services:

- Regular collection of plastic waste from designated locations at the College.
- Transportation of collected plastic waste to the Recycling House facility.
- Recycling of plastic waste in accordance with local and national environmental regulations.
- Providing the College with reports on the amount and types of plastic waste recycled.

3. RESPONSIBILITIES OF THE COLLEGE

The College agrees to:

- Segregate plastic waste from other types of waste and place it in designated collection bins.
- Ensure that collection bins are accessible to Recycling House personnel at agreed-upon times.
- Educate staff, students, and faculty about proper plastic waste segregation and recycling practices.
- Provide the Recycling House with timely information about any changes in the volume or types of plastic waste generated.

4. TERM

This Memorandum of Understanding shall commence on 13th July, 2022 and continue until 13th July 2027, unless terminated earlier in accordance with the provisions of this Agreement. The term may be extended upon mutual agreement of both parties.


5. TERMINATION

This Agreement shall be terminated by either party upon fifteen days written notice. In the event of termination, the Service Provider shall be compensated for all services performed up to the date of termination.

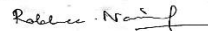
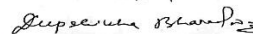
6. AMENDMENTS

Any amendments to this Agreement must be in writing and signed by both parties.

IN WITNESS THEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

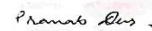
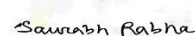

Name: Dr. Monoj Goswami
Designation: Principal
Bikali College, Dhupdhara
Goalpara, Assam

Witness

- 1 
- 2 


Name: Dayal Das
Designation: Proprietor
Dayal Enterprise,
Boko, Kamrup, Assam
Dayal Enterprise,
Boko, Kamrup, Assam

Witness

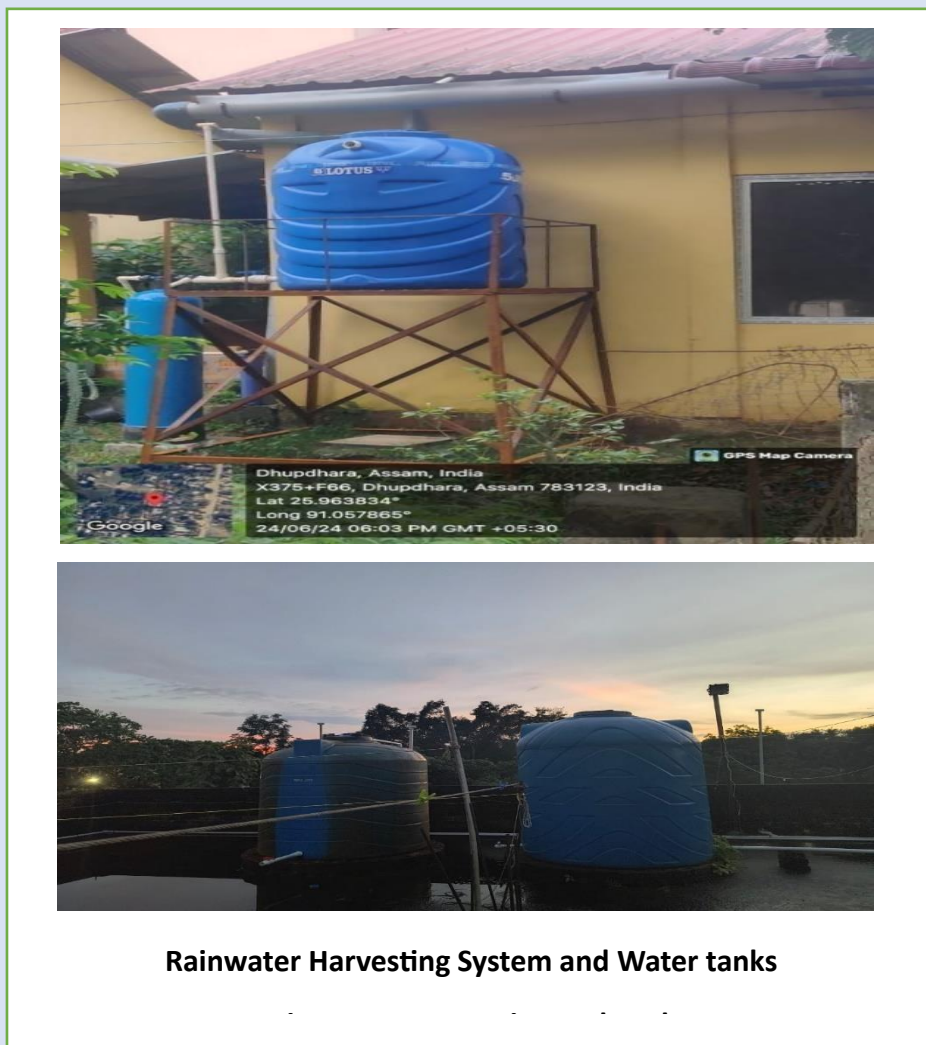
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**MoU with Dayal Enterprise, Boko, Kamrup as Non-
Biodegradable Waste Management Measure**

3) Water Conservation:

As part of its commitment to sustainability and resource conservation, Bikali College has implemented a robust rainwater harvesting system. This initiative involves collecting rainwater from rooftops, which is then filtered and stored in large tanks, as depicted in the accompanying image. The harvested rainwater is utilized efficiently, primarily in science laboratories and gardens across the campus. This measure not only reduces the college's dependence on external water sources but also promotes eco-friendly practices by maximizing the use of natural resources. By integrating rainwater harvesting into its infrastructure, Bikali College exemplifies its dedication to environmental stewardship and sustainable water management.

Photos:





Borings within campus

4) Green Campus initiatives:

Bikali College is dedicated to fostering a sustainable and eco-friendly campus through a variety of green initiatives. The college conducts periodic plantation drives, particularly on Earth Day, World Environment Day, and other special occasions, to enhance green cover and promote biodiversity. Biodegradable waste undergoes proper decomposition in designated pits, ensuring sustainable management, while non-biodegradable waste is carefully handed over to Dayal Enterprise, Boko, Kamrup who is committed to recycling and reuse of these products. The College has also signed an MoU with the enterprise. Additionally, Bikali College has established a vermicomposting facility that efficiently converts organic waste into nutrient-rich compost, supporting sustainable waste management and organic farming practices.

To further reduce carbon emissions and promote a cleaner environment, the college has restricted the entry of automobiles on campus. Instead, it advocates for the use of bicycles and battery-powered vehicles as eco-friendly alternatives to traditional gasoline-powered cars. The campus also features pedestrian-friendly pathways, making it safe and convenient for students and staff to walk, thus further reducing reliance on motorized transport. Moreover, Bikali College has installed LED bulbs and solar panels throughout the hostel and campus to enhance energy efficiency and sustainability.

To combat plastic pollution, Bikali College has implemented a strict ban on the use of plastic within the campus. This initiative minimizes waste and encourages the use of reusable and biodegradable materials. The college conducts educational campaigns and workshops to raise awareness about reducing plastic waste among students and staff. The college's nursery plays a vital role in promoting green practices and engaging the campus community in sustainability efforts. Additionally, extensive landscaping projects have been undertaken, with numerous trees and plants being planted to enhance the green cover, improve air quality, provide shade, and foster biodiversity on campus.

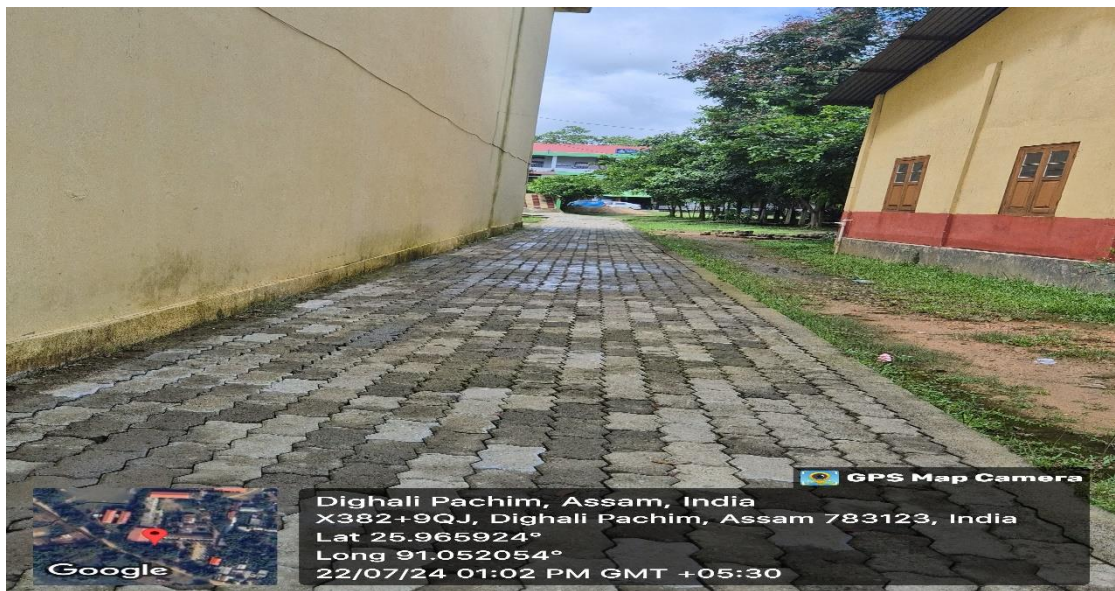
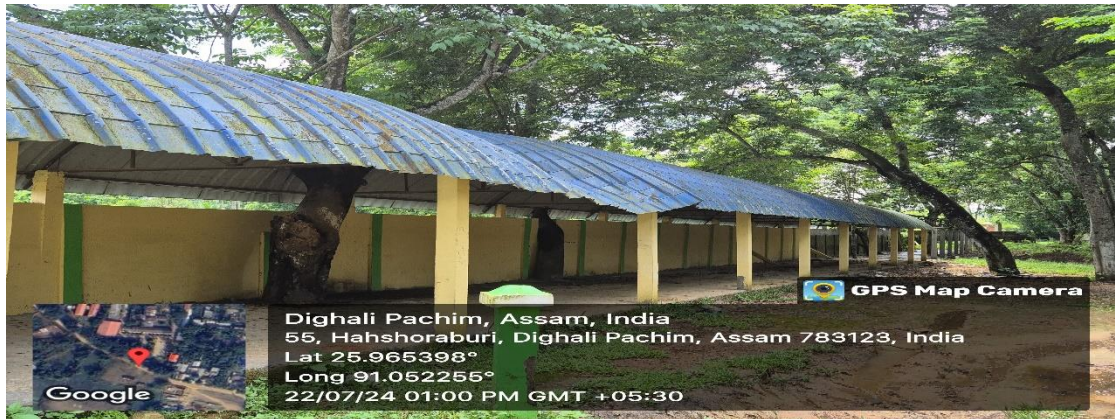
Through these comprehensive green campus initiatives, Bikali College demonstrates its commitment to environmental sustainability, aiming to create a healthier, more sustainable living and learning environment for its community.

Photos:





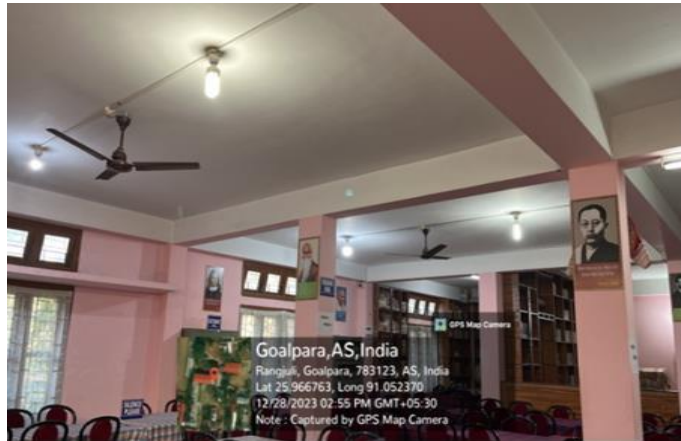
Signages Promoting a Clean and Green Campus



Cycle Stand and Pedestrian Friendly Pathways within Campus



Vermicomposting



Energy and Resource Conservation Measures



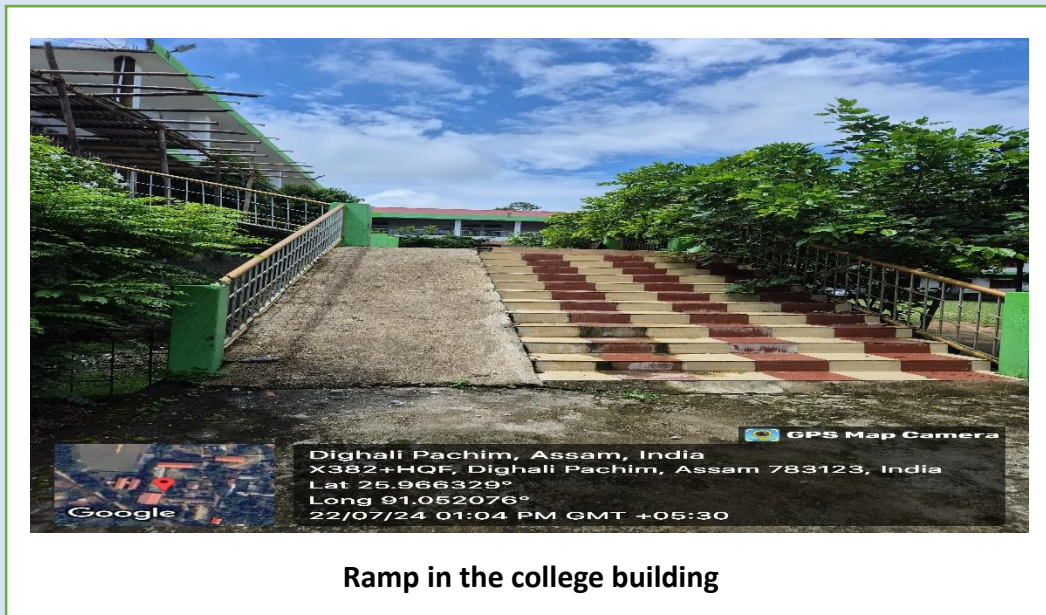
Nursery and Agro-Farming

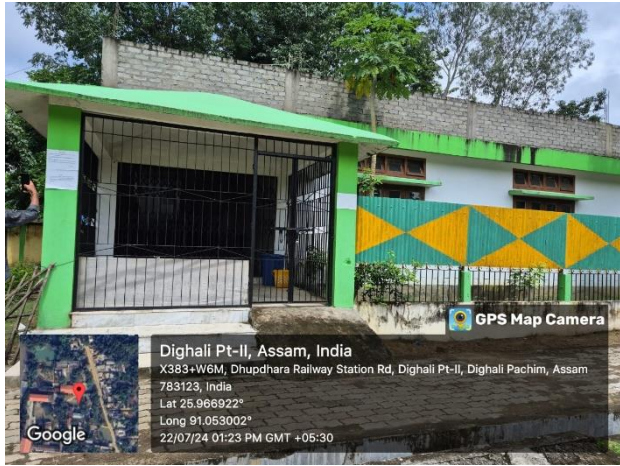
5) Disabled-friendly, barrier free environment:

Bikali College is committed to creating a disabled-friendly and barrier-free environment in college for ensuring that all students have equal access to education and opportunities. The college provides facilities like ramps for wheelchair access, separate classrooms for examinations to cater to specific needs, and the provision of western toilets designed for ease of use by individuals with disabilities. Additionally, the overall campus infrastructure is so designed to eliminate physical barriers, ensuring smooth and unhindered movement for everyone. Such an inclusive environment is believed to foster independence and confidence among disabled students and promote a culture of empathy, understanding, and respect

within the college community. By prioritizing accessibility and inclusivity, the college ensures that every student, regardless of their physical abilities, has the chance to succeed and thrive academically and socially.

Photos:





Girls Hostel with Ramp



Barrier Free Environment