



Office of the Principal  
**Barbhag College**

Kalag : Nalbari: Assam

Ph. No. 03624-283417

**Mr Phanidhar Deka, M.A.**  
**Principal i/c & Secretary,**  
**Barbhag College,**  
**Contact:- 9854025908 (M)**

MEMO NO:BC/ENV. Policy/2018/234-B

Date: 24.08.2018

**CIRCULAR**

It is hereby notified to all stakeholder of Barbhag College that the “Environment and Energy Conservation Policy 2018” has been formulated and approved by Barbhag College Governing Body. The policy document is available on College Website [www.barbhagcollege.co.in](http://www.barbhagcollege.co.in) . All concerned are hereby called upon to go through the policy and to take care that the provisions of the policy are reflected in all related activities.



  
Principal i/c & Secretary  
Barbhag College

**(Phanidhar Deka)**



OFFICE OF THE PRINCIPAL  
**BARBHAG COLLEGE**

KALAG, NALBARI, ASSAM, PIN - 781351

Email: [barbhagcollege@gmail.com](mailto:barbhagcollege@gmail.com)

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Nivedita Goswami  
M.A., L.L.B.  
Principal & Secretary  
Contact No. 7002713733

Memo No.BC/Env./2020.39-B

Date:17.10.2020

**CIRCULAR**

It is hereby notified to all the students, teachers and other stakeholders of Barbhag College that the “Policy Document on Environment and Energy Usage and Disabled Free Environment 2020” has been formulated. The policy has received approval from Barbhag College Governing Body. The policy document has been on College Website [www.barbhagcollege.co.in](http://www.barbhagcollege.co.in) for public viewing. All concerned are hereby called upon to read the policy and make sincere efforts towards implementation of the provisions.



(Nivedita Goswami)



# OFFICE OF THE PRINCIPAL BARBHAG COLLEGE

Dr. Birinchi Choudhury  
M.A., M.Phil, Ph.D.  
Principal & Secretary  
Contact No. 9401257688

KALAG, NALBATI, ASSAM, PIN – 781351  
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Memo No. BC/ENV./2022/38-B

Date: 02.05.2022

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## CIRCULAR

This is to inform all concerned that an Action Taken and Achievement Report on Clear and Green Campus Initiatives has been prepared and published on 02.05.2022. The report is a reflection of the initiatives taken by the college to make the college campus clean and green. The report is available on College website [www.barbhagcollege.co.in](http://www.barbhagcollege.co.in) for public viewing.



*Birinchi*  
Principal & Secretary  
Barbhag College, Kalag

**(Dr. Birinchi Choudhury)**



Office of the Principal

**BARBHAG COLLEGE**

Kalag : Nalbari : Assam  
Ph. No. 03624-283417

**Dr. Birinchi Choudhury**

M.A., Mphil, PhD

**Principal & Secretary**

Contact No. 9401257688

Email Id : principalbarbhag@gmail.com.

MEMO NO. ....

Date: 02/05/2022

## Action Taken Report and Achievement Report on Clear and Green Campus Initiatives



### Introduction

The Clear and Green Campus Initiative aims to promote sustainability, environmental awareness, and eco-friendly practices within our institution. As part of this initiative, we have implemented several actions to minimise our environmental footprint and create a healthier campus environment.

### Action 1: Waste Management

We have established a comprehensive waste management system on campus. This includes the installation of recycling bins in strategic locations, promoting waste segregation among students and staff, and conducting awareness campaigns to educate the campus community and neighborhood community about the importance of proper waste disposal.

### Action 2: Energy Conservation

To reduce energy consumption, we have implemented various measures. These include installing energy-efficient lighting systems across campus, conducting energy audits to identify areas of improvement, and promoting responsible energy use through awareness campaigns. We have also invested in renewable energy sources such as solar panels to generate clean electricity.

### Action 3: Water Conservation

Water conservation is a key aspect of our initiative. We have installed water-efficient fixtures in restrooms, implemented rainwater harvesting systems to capture and reuse rainwater, and conducted awareness programs to encourage the campus community to conserve water by practicing responsible usage.

### Action 4: Sustainable Transportation

To promote sustainable transportation options, we have been encouraging use of bicycles. We have also been trying to encourage employees to use one public and private vehicles by many to reduce fuel consumption.

*Birinchi*

**Dr. Birinchi Choudhury**

M.A., Mphil, PhD

**Principal & Secretary**

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Office of the Principal

**BARBHAG COLLEGE**

Kalag : Nalbari : Assam  
Ph. No. 03624-283417



MEMO NO. ....

### **Action 5: Green Spaces and Biodiversity**

We have prioritised the creation and maintenance of green spaces on campus. This includes planting trees, developing gardens, and preserving existing natural habitats. We actively involve students and staff in tree-planting drives and organise nature awareness programs to foster a sense of responsibility towards biodiversity conservation.

### **Achievement Report on Clear and Green Campus Initiative:**

#### **Waste Reduction**

Through our waste management efforts, we have significantly reduced the amount of waste sent to landfills.

#### **Energy Savings:**

The implementation of energy-efficient lighting systems and other energy conservation measures has resulted in substantial energy savings. We have reduced energy consumption by approximately 20%, leading to significant cost savings and a lower carbon footprint.

#### **Water Conservation:**

Our water conservation efforts have yielded positive results. Through the use of water-efficient fixtures and rainwater harvesting systems, we have reduced water consumption by approximately 20% on campus. This not only conserves water resources but also reduces utility costs.

#### **Green Spaces and Biodiversity:**

Our efforts to create and maintain green spaces on campus have enhanced the aesthetics and ecological value of our institution. We have planted 50 trees and developed 2 gardens. These initiatives have not only improved the campus environment but also provided opportunities for students to connect with nature.

#### **Conclusion:**

The Clear and Green Campus Initiative has been successful in promoting sustainability and environmental stewardship within our institution. The implementation of various actions, as outlined in the Institutional Action Taken Report, has resulted in tangible achievements such as waste reduction, energy savings, water conservation, promotion of sustainable transportation, and the creation of green spaces. We remain committed to furthering these efforts and continually improving our campus's environmental performance.

*Birinchi* 2



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**Dr. Birinchi Choudhury**  
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Principal & Secretary  
Contact No. 9401257688

Memo No. BC/Divyangjan/2022/29-B

Date: 28.08.2022

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## CIRCULAR

This is to inform all concerned that a Report on Divyanga Friendly Initiatives 2017-2022 has been published on 28.08.2022. The report records the activities done and facilities created by the college for a Divyangjan friendly environment in the campus. The report is available on College website [www.barbhagcollege.co.in](http://www.barbhagcollege.co.in) for public viewing.



*Birinchi*  
Principal & Secretary  
Barbhag College, Kalag

**(Dr. Birinchi Choudhury)**



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Contact No. 9401257688

Memo No. BC/ENV./2022/36-B

Date: 02.05.2022

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## CIRCULAR

This is to notify to all stakeholders that a Report on Energy Usage 2017-2022 has been prepared and published on 21.08.2022. The report gives a description of the initiatives taken by Barbhag College for economic energy usage and conservation. The report uploaded on college website for on College website [www.barbhagcollege.co.in](http://www.barbhagcollege.co.in) for public viewing.



*Birinchi*  
Principal & Secretary  
Barbhag College, Kalag

**(Dr. Birinchi Choudhury)**



# **BARBAHG COLLEGE**

**Kalag:Nalbari: Assam**

## **REPORT ON ENERGY USAGE 2017-2022**

Energy conservation is an important aspect of college campus sustainability and environment friendly perspective. It is linked with carbon footprint of the campus. To follow the energy conservation initiatives Barbahg College has conducted energy audit so that it has acquainted with the pros and cons of energy consumption, expenses, which would help the institution to take future action plan in those perspectives. Energy auditing relates to the conservation and methods to reduce its consumption which is directly related to environmental degradation. The energy audit report of Barbahg College reflects the following rate, ratio and initiative of the college in its energy conservation policy. The reports highlight the following points.

- 1.The Energy Audit has reviewed the analysis of energy consumption from May 2021 to January 2022.
2. The Audit observation reflects building wise and block wise distribution of loads, consumption of D.G, Cooler equipment etc.
- 3.The energy Audit make suggestion regarding the consumption, utilisation and reduction initiatives that the College should have to carried on further.



## **ACTION TAKEN AS PER THE ENERGY AUDIT COMMITTEE:**

As per the recommendation of energy audit Committee, the institution have taken the following policy—

- 1) To monitor the energy related issues, the college authority decided to form an internal energy monitoring committee which will monitor, recommend and keep notice any energy consumption, reduction and improvement related issues.
- 2) The authority has decided to purchase more energy conservation equipment, and to install energy conservation management efforts as mentioned in the Action Taken Policy of Clear and Green Campus initiatives.
3. Barbhag College followed some protocols and code of conduct for the stakeholders of the College to aware and follow the energy conservation initiative, habit and action, such as—
  - a) Switching off the lights and fans when not in use.
  - b) Using of water judiciously
  - c) Use of printers and photocopy machines judiciously
  - d) ACs must be switched off when not in use.
  - e) Installation of Solar Light in the college campus
  - f) Installation of Sensor based bulb in the college campus
  - g) Installation of Power conservation AC.
  - h) Installation of LED bulbs for conservation of energy.
  - i) Water Conservation and reuse initiative had been taken.
  - j) As per the recommendation of the Energy audit Barbhag College tried to bought AC having 5-star rating

Date: 21.08.2022

Place: Kalag



*Birinchi*  
Principal & Secretary  
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(Dr. Birinchi Choudhury)



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**Dr. Birinchi Choudhury**  
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Principal & Secretary  
Contact No. 9401257688

Memo No. BC/ENV./2022/31-B

Date: 11.08.2022

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## CIRCULAR

This is to notify that a “Report on Environment Initiaves 2017-2022” has been prepared and published on 11.08.2022. The report is a reflection of the initiatives taken with regard to promotion of environment friendly conduct and activities done for protection of the natural environment by Barbhag College. The report can be accessed via Barbhag College website [www.barbhagcollege.co.in](http://www.barbhagcollege.co.in).



*Birinchi*  
Principal & Secretary  
Barbhag College, Kalag

**(Dr. Birinchi Choudhury)**



## **BARBAHG COLLEGE**

**Kalag: Nalbari: Assam**

### **REPORTS ON ENVIRONMENT INITIATIVES: 2017 – 2022**

To include the international goals and objectives of sustainable environmental efforts, the Barbhag College has carried an environment and sustainability policy addressing the global environmental issues as pollution, waste management, sustainable conservation of natural resources and bio-diversity preservation. For raising awareness in this perspective, the College has followed some action plan throughout its academic years. It has taken initiative in three perspectives—campaigning activities parting awareness and sensitization programmes within college campus, programmes in inclusive perspectives, and practice within the management system of the institution. Covering these perspectives, the initiative of the college can be summarized under the following Sub-heads—

**(i) Environment Education and Campaign Initiatives: Beyond Campus:** As a part of Environmental consciousness and sustainability, the college organised different awareness program in inclusive manner. it has organised awareness programme on beat plastic and cleanliness drive by the students of the various department when they are in field survey and picnic. The college has a nature club which has taken various eco friendly initiatives outside the college campus. The Club has continuously taken effort and collaborate with nearby NGOs, the forest department of Nalbari District and actively render valuable service to the community regarding environment friendly initiative. Engaging all the stakeholder of the college, the Nature Club of Barbhag College has set an example in this rural area in fostering environment campaign. It regularly celebrates the world environment day, Earth Day, Beat Plastic, Save Water Campaign, Tree Plantation Drive beyond campus, aware children by organising Drawing Competition, Poster Making Competition, Sapling Distribution Program etc.

The following programmes in relation to environment education, practice and Campaign.

1. Awareness programme on Beat plastic pollution organised by Nature Club on 18th August 2017
2. Awareness programme on save water organised by Nature Club on 22th March 2018.
3. A cleanliness drive cum plantation on religious places near the college campus in collaboration with 'Sandhan' NGO from 9 January 2018 to 14th January 2018.
4. Observation of World Environment Day in Collaboration with BarbhagJuva Samaj on 5th June 2019
5. Cleanliness drive in three neighbouring villages, namely Kalag, Dokoha and Moura
6. Swachh Bharat Abhijan at KalagHatkhola Market area in collaboration with BarbhagJuva Samaj on 29/12/2019
7. Awareness drive for creating sensitisation to minimize the use of plastic bags on the occasion of National Clean-up Day on 03/09/2019
8. Awareness programme on Celebrating Eco-friendly Holi Date in 8 March 2022 at Shaymrai Namghar (a public place) Village – Kalag .
9. Awareness Programme on plastic free environment or use less plastic during the year (2021-22).
10. Plantation and Sapling Distribution Programme organised By Nature Club, Barbhag College, in association with the Department of Social Forestry, Nalbari district, Assam on 02/05/2022, 06/05/ 2022 and 13/05/2022. Venue--Barbhag College, KalagNalbari.

(ii) **Internal Environmental Sustainability Initiative and Management:** For maintaining an environment friendly campus and enhance awareness and positive impetus toward the campus environment, Barbhag College has taken following measures: -

a) **Internal management initiatives:**

1. Green Audit of the College .
2. Fixing Restricted entry of automobiles banner
3. Fixing banner on less use of Plastic.
4. Landscaping the campus with trees and plants.
5. Rain water harvesting management.
6. Introduction of solar light in outdoor.
7. Reuse of waste water management.
8. College is declared as No Horn Zone.
9. College campus is declared a No Tobacco Zone.

10. World Earth Day Celebration Organized by IQAC, Barbhag College in Collaboration with Department of Physics, Chemistry, Botany, Zoology and Mathematics on 22/04/2022.
11. Cleanliness drive in the college campus under Swatch Bharat Abhiyan by the NSS volunteer.
12. Plantation and Sapling Distribution Programme.
13. Awareness Programme on plastic free environment
14. The Department of Botany of this college organised a lecture programme on Organic Farming on 11th March 2019.
15. The Department of Zoology organised a lecture programme on “House Sparrow Protection” on 20th March 2019.

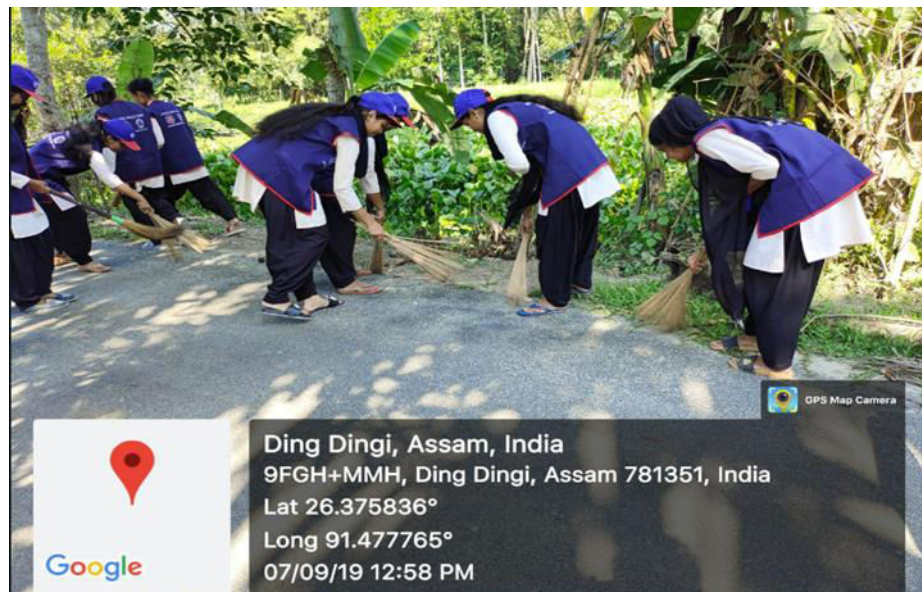
**(b) Energy management initiatives for sustainable environment:** Energy conservation is taken as an important aspect of college campus sustainability which could enhance the reduction of carbon footprint within the campus. Energy auditing relates to the conservation and methods to reduce its consumption which is directly related to environmental degradation. Here we put forward the energy consumption records of Barbhag College. It is observed that Barbhag College authority is successful in cutting down the energy consumption in using its electrical appliances economically. Reduction of energy consumption is done by taking the following measures--

1. The college followed a policy for energy management to use electrical energy judiciously.
2. The College followed some protocols in regard to environment sustainability and energy conservation, Such as—
  1. Switching off the lights and fans when not in use.
  2. Using of water judiciously.
  3. Use of printers and photocopy machines judiciously.
  4. ACs must be switched off when not in use.
  5. Installation of Solar Light in the college campus
  6. Installation of Sensor based bulb in the college campus
  7. Installation of Power conservation AC.
  8. Installation of LED bulbs for conservation of energy.
  9. Water Conservation and reuse initiative had been taken.

## PHOTOGRAPHS



**CLEANLINESS DRIVE AT DOKOHA VILLAGE by NSS**





Cleanliness Drive as a part of SwachBhartat Abhiyan, by NSS unit Barbhag College at Maura of Barbhag Circle.



**Observation of World Environment Day 2022**  
**An awareness lecture Programme & Inter Nalbari District Institutional**  
**Open Drawing Competition for Environmental Awareness.**



Kmarkuchi, Assam, India  
 Unnamed Road, 781347, Kmarkuchi, Assam 781347, India  
 Lat 26.363506°  
 Long 91.493184°  
 16/03/22 10:47 AM

**Let's Celebrate Eco-Friendly Holi**  
 প্রাকৃতিক বঙেৰে হোলি খেলো আহক

**NATURE CLUB : BARBHAG COLLEGE**  
 Kalag : Nalbari

**গোহাৰি**

নেছাৰ ক্লাব : বৰভাগ কলেজ, পৰিবেশ সম্পৰ্কীয় চিন্তা-চৰ্চাৰ এটি স্বেচ্ছাসেৱী অনুষ্ঠান। বৰভাগ মহাবিদ্যালয়ৰ শিক্ষক আৰু ছাত্ৰ-ছাত্ৰীৰ দ্বাৰা গঠিত এই অনুষ্ঠানে মহাবিদ্যালয়ৰ ছাত্ৰ-ছাত্ৰীকে ধৰি বৃহত্তৰ বৰভাগৰ বিভিন্ন শিক্ষানুষ্ঠান আৰু গ্ৰামাঞ্চলত পৰিবেশ সম্পৰ্কীয় জন সচেতনতা সৃষ্টিৰ লক্ষ্যৰে বিগত সময়ত ৰাষ্ট্ৰীয় বা আন্তঃৰাষ্ট্ৰীয় বিভিন্ন কাৰ্যসূচী ইতিমধ্যে কৰাৰ পৰিবেশ আৰু জন স্বাস্থ্যৰ অনুকূলভাৱে উদযাপন কৰিব পাৰো সেই লক্ষ্যৰে এই কাৰ্যসূচী গ্ৰহণ কৰা হৈছে। আশা কৰিছোঁ, আমাৰ লক্ষ্য আৰু উদ্দেশ্যক সাৰ্বভৌম ৰূপ দিয়াত আপোনালোক সকলোৰে সহায় আৰু সহযোগিতা কৰিব।

**মন কৰিবলগীয়া**

(ক) ফাকুৱা বা হোলি ৰং, আনন্দ আৰু প্ৰেমৰ উৎসৱ। ফাকুৱাৰ আনন্দ আৰু তাৎপৰ্য বিপ্লিত কৰা সকলো কামৰ পৰা আঁতৰি থকা উচিত।

(খ) সহজে পোৱা উদ্ভিদৰ সেউজীয়া পাত, গুটি বা বীজ, বিভিন্ন ফুল, কেঁচা হালধি, শুকান হালধি গুৰি, আটা বা চাউলৰ গুৰি আদি আমি ফাকুৱাৰ ৰং হিচাপে ব্যৱহাৰ কৰিব পাৰো। উক্ত সামগ্ৰীবোৰ বিভিন্ন অনুপাতত মিহলাই ফাকুৱাৰ বাবে সুন্দৰ প্ৰাকৃতিক ৰং প্ৰস্তুত কৰিব পাৰি।

(গ) বজাৰৰ পৰা ক্ৰয় কৰা বেছিভাগ সুলভ ৰঙত শৰীৰৰ বাবে অপকাৰী পদাৰ্থ থকা বুলি জনা যায়। গতিকে কৃত্ৰিম ৰঙৰ সলনি পৰিবেশ আৰু স্বাস্থ্য অনুকূল (Eco-Friendly Colour) ৰঙে ক্ৰয় কৰা উচিত।

(ঘ) ফাকুৱা খেলাৰ সময়ত কেতিয়াও জীৱ-জন্তুৰ গালৈ ৰং নামাবিব বা গাত ৰং নাসানিব।

পৰিবেশ সম্পৰ্কীয় জন সচেতনতা সৃষ্টিৰ বাবে  
 নেছাৰ ক্লাব, বৰভাগ কলেজৰ দ্বাৰা প্ৰকাশিত আৰু প্ৰচাৰিত- মাৰ্চ, ২০২২

**Awareness programme and leaflet distribution by nature club Barbhag College on Eco Friendly Holy at nearby village Chowk**





GPS Map Camera

Khudra Dingdingi, Assam, India  
9F7M+73Q, Khudra Dingdingi, Assam 781347, India  
Lat 26.364459°  
Long 91.482728°  
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GPS Map Camera

Khudra Dingdingi, Assam, India  
9F7M+73Q, Khudra Dingdingi, Assam 781347, India  
Lat 26.364459°  
Long 91.482728°  
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Photos of Cleanliness drive organised by Nature club carried on by various dept. at picnic spot

## WITHIN CAMPUS GREEN AND ENVIRONMENT FRIENDLY INITIATIVES:

### (i) Photos of Environmental Awareness Programs within Campus:



World Earth Day Celebration Organized by IQAC, Barbhag College in Collaboration with Department of Physics, Chemistry, Botany, Zoology and Mathematics on 22/04/2022



House Sparrow day Celebration by Dept. of Botany 20.03.2019



Observation of National Cleanup Day 21.11.2019



**Green Campus**



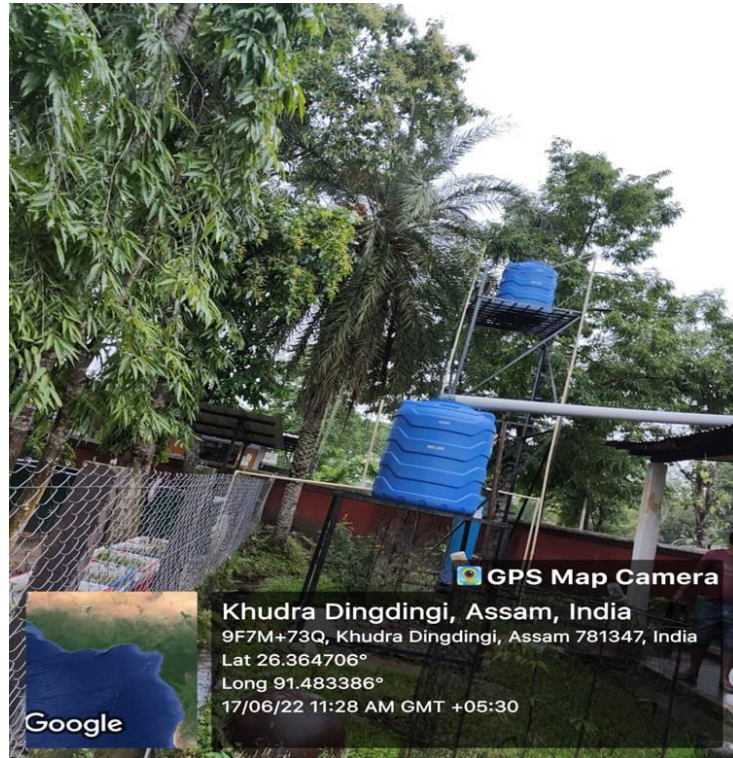
**Horn Prohibited Banner**



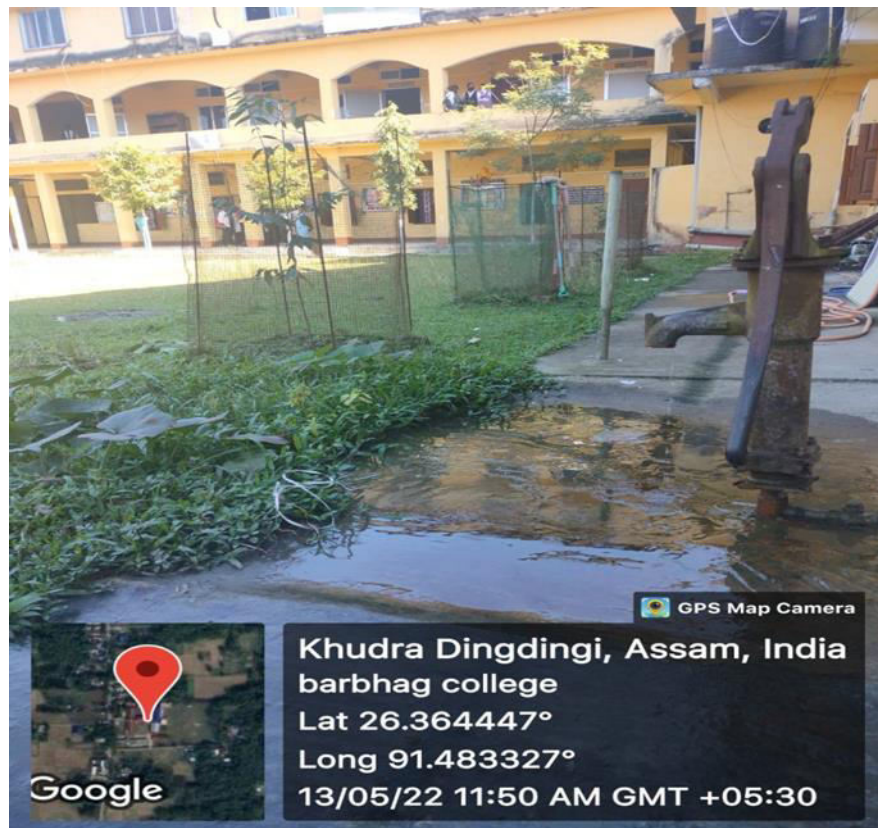
**No Tobacco Banner**



**Encourage Use of Bicycle**



**Rain Water Harvesting.**



**Ground water recharge**



**Verme compost plant**



**Use of Dustbin**



Use of Dustbin



*Birinchi*  
Principal & Secretary  
Barbhag College, Kalag

**Date: 11.08.2022**

**Place: Kalag**

**(Dr. Birinchi Choudhury)**



# OFFICE OF THE PRINCIPAL BARBHAG COLLEGE

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Dr. Birinchi Choudhury  
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Principal & Secretary  
Contact No. 9401257688

Memo No. BC/Waste/2022/33-B

Date: 19.08.2022

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## CIRCULAR

It is hereby notified to all concerned that a “Report on Waste Management Response 2017-2022” has been published on 19.08.2022. The report records the initiatives and efforts by the college for safe disposal of biodegradable and non-biodegradable wastes generated in the college. The report can be accessed via Barbhag College website [www.barbhagcollege.co.in](http://www.barbhagcollege.co.in).



*Birinchi*  
Principal & Secretary  
Barbhag College, Kalag

**(Dr. Birinchi Choudhury)**





## WASTE MANAGEMENT RESPONSE 2022

### BARBHAG COLLEGE

**Kalag: Nalbari: Assam**

Waste management is an essential service for maintaining the quality of life and ensuring better health and hygiene for human life. It become one of the challenging problem globally and falls short of the desired level in its outcome. For increasing efficiency and effectiveness in this regard, it is necessary to tackle this problem systematically.

Barbhag College as an institution of higher education has followed a waste management policy within and outside the campus. It also follows the principle of 5 Rs i.e., Refuse, Reduce, Repurpose and Rot as per the government instruction. For that purpose and endeavours, College follows a waste management policy with following objectives—

1. Enhancing and preaching Swachh Bharat Abhiyan through the volunteers, students and staff by organising cleanliness drive in and beyond campus initiatives. Thus, it tried to extend its service in this direction in an inclusive manner.
2. Creating a waste management environment within the campus.

#### **Waste management provisions:**

(i) **Solid Waste:** The Solid Wastes are divided into Bio-degradable and non-biodegradable wastes. These types of waste generated from classrooms, laboratories, library, toilets, canteen etc. for the collection of these waste, dustbin are placed at suitable places. Bio-degradable wastes are used to prepare vermicompost. Dry leaves, papers, grass, kitchen waste of canteen are used to prepare vermicompost by disposing it into a composing bin. The non degradable garbage is collected and deposited in the garbage bins on daily basis. The college has signed MoU with the village Panchayat of Kalag and it provides non-degradable wastes rickshaw to carry the wastes to designated spots.

(ii) **Liquid Waste:**The College has maintained a system of liquid waste management. The liquid waste generated from canteen, toilets, laboratories of science departments. The college has maintained a proper drainage system, installed tanks for dispose and let out the liquid

waste. Scientific dispose chalkpit for the liquid wastes is installed near the laboratories. Drinking water facilities are available in different corners of the buildings. The students and people are instructed through signboard for the proper use of water tap. The college also tried to reuse the waste water and one tube well is kept open, i.e., with no drainage so that waste water of that tube well can automatically watered nearby open grass field and trees. A rain water harvesting management system is also provided to reuse the rain water in washing basin of college canteen and watering medicinal garden of the of the college.

**(iii) E-Waste:** The majore-wastes generated in the college are batteries, computer devices, wires, and cables. The college also maintained the affordable and available policy management in this regard also. Useful old devices are reused after repairing and damage parts are delivered to electronic shops with whom the college is dealing in. some useless damage parts are despatch through the vendor provided by the village panchayat with whom the college has signed MoU.

**(iv) Hazardous chemicals:** hazardous chemicals that are generated from the chemistry laboratory like HCL, H<sub>2</sub>SO<sub>4</sub>, HNO<sub>3</sub>, used in labs are diluted before pouring into sink.

#### **Some photographs relating to Waste management:**



#### **DUSTBINS**



**SOAK PIT**



**VERMI-COMPOST PLANT**



*Birinchi*  
Principal & Secretary  
Barbhag College, Kalag

**Date: 19.08.2022**

**Place: Kalag**

**(Dr. Birinchi Choudhury)**