



## INSTITUTIONAL BEST PRACTICE 1

### “COMMITMENT TO THE ENVIRONMENT”

#### **Objectives of the Practice:**

Bahona College has a green, eco-friendly and clean environment. College has maintained and promoted a green and eco-friendly environment in its neighbouring areas and adopted villages also. The practice of promoting a green and clean environment is the outcome of college's commitment to the environment.

College has also realised the global climate and has decided to work for the environment. Bahona College has dedicated itself for the protection of environment with the following objectives:

- To inculcate the Green and Eco-friendly protocols among students, teachers and supporting staff.
- To educate and orient students, supporting staff, teachers and local people on environment protection.
- To take steps for waste management by adopting 5R principle- refuse, reduce, reuse, repurpose and recycle.
- To make the college campus and the adopted villages pollution free.
- To plant trees by staff and students both inside the campus and at adopted villages.
- To take initiatives for energy conservation and for adopting alternative sources of energy.
- To take action for conservation of water.
- To limit entry of automobiles and to promote battery powered vehicle in the campus.
- To take steps for minimizing the use of Single Use Plastic.
- To conduct energy, environment and green audit of the college.

#### **The Context:**

As an education institution, it is our prime responsibility to work for the protection of the environment as well as to create awareness about environment among the students and the community. Therefore, Bahona College has started working for protecting the environment with multiple initiatives.

**Students' engagement:** College has engaged students in the environmental protection initiatives. Students of the college have to plant and grow sapling to avail **Fee Waiver Schemes**. Volunteer students of NSS involved in various environment related activities like cleaning of campus,

plantation programme, taking active part in the environment protection related awareness programme in the neighbouring villages as well as adopted villages.

**Staff engagement:** Teaching and Non-teaching staffs of the college are engaged in environmental protection and promotion activities. They take part in plantation process and participate in workshops, seminars, faculty development programmes on environment. World Environment Day is always celebrated in the college with active participation of staff along with students.

**Green Practices:** Bahona College has adopted several green practices. College has installed solar energy system, sensor-based energy saving equipment, LED bulbs, biogas plants etc. It has adopted plastic ban policies and has mechanism for recycling and reusing waste. From biodegradable waste, vermicompost is produced which used to the plants of campus. College has rain water harvesting system and waste water recycling system etc. It has an e-vehicle charging station also. It has conducted green audit, energy audit, environment audit. College has received recognition from different agencies for its environmental commitments such as clean and green campus recognition certificate. E-governance introduced in the college as part of its commitment to the environment.

**Initiative at adopted villages:** To motivate people to correct their behaviour towards environment, college has organized several environmental awareness camps, plantation programme, poster to conserve environment at adopted villages.

### **The Practice:**

To address the aforesaid challenges Bahona College has adopted policies to protect and promote environment. Students, faculties and non-teaching staffs, all are involved in these activities. Students are asked to plant and grow sapling. They are encouraged to take part in the environment promotion activities like plantation, cleanliness drive, rallies etc. Student volunteers of NSS, NCC and members of Climate Cell & Eco club have actively participated in tree plantation program on the bank of Rangajan, plantation program in Nimati, poster drive on bird conservation in Nimati, rally on awareness of drinking water and sanitation in Borali village etc. Nimati ghat is a haven for migratory birds but there is a threat of killing these birds for their meat. Awareness programmes and poster drives were conducted to protect and make people aware about their importance. College has a green campus and continuously maintain its greenery by planting trees. The waste which is producing by the institution segregated into bio degradable and non-biodegradable waste. Biodegradable wastes are used to produce vermicompost. Management of non –biodegradable waste is done in a way so they are harmless to the environment. E-wastes are sold to TechHub as per the MoU signed between the college and the farm. The waste water of the college also recycled and reused. During the celebration of World Environment Day, seminars and webinars were organized on environment related themes. Workshop on producing vermicompost was conducted in the adopted villages to encourage organic farming. We also felicitate guests and resource persons of different programmes with sapling.

### **Evidence of Success:**

- a) College has successfully maintained a green campus.
- b) College has received appreciation certificate for its environmental commitments.
- c) Satisfactory audit report.

- d) Satisfactory Electricity Consumption: Though numbers of Electric devices have increased but power consumption has not gone too high due to energy saving practice of the college.
- e) Installation of Bio gas, Solar power system, Use of E-Vehicles, Vermicompost production, use of LED bulbs in the college and by villagers of adopted village
- f) Organic farms produce
- g) On campus and off campus Plantation by college members including administration, teachers and students.
- h) Publication of books, papers, articles on environment.
- i) Quality of air and water
- j) E-governance

#### **Problems Encountered and Resources Required:**

- Due to CBCS system of education and continuous evaluation process, students have less time to engage themselves in environment related activities outside the college.
- High cost of energy efficient equipment
- Plastic wrapped items
- Corrupt culture of non-degradable resources
- No scientific mechanism available to plastic waste management
- Chemical hazard management

## A GLIMPSE OF THE PRACTICE



World environment day observed in schools of adopted villages (2017)



World environment day observed in schools of adopted villages (2017)



Awareness programme on air pollution



Appreciation certificate received from the Kochgaon Yuva Sangha for carrying out sapling plantation activity (2020)



Plantation program on Nimati on the occasion of world environment day by Assam Science society Bahona College branch & Eco club



Plantation programme on the occasion of 70th Forest Festival Week -2019



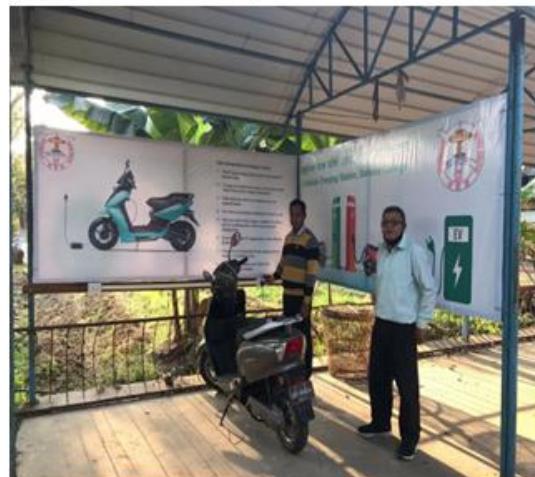
Biogas plant of Bahona College



Production of vermicompost from biodegradable waste to reduce waste load and to keep college campus clean



Solar panel mounted on the wall of indoor stadium of college



Charging point for the electric vehicles



Clean and Green campus award to the college by ANURANAN NGO



Clean and Green Campus award to the college by SHEWA NGO

Government of Assam  
Science, Technology and  
Climate Change Department

**Friends of Environment Honours to Ten individuals**

- Dr. Padmeswar Gogoi, Golaghat
- Prof. Parimal Ch. Bhattacharjee, Kamrup (M)
- Dr. Dinesh Chandra Goswami, Kamrup (M)
- Prof. Parthakar Choudhury, Cachar
- Shri Bijoy Choudhury, Baksa
- Shri Prasanta Bordoloi, Nagaon
- Ms. Mubina Akhtar, Kamrup (M)
- Shri Jaijal Abedin, Tinsukia
- Shri Debojit Phukan, Lakhimpur
- Shri Khyanjeet Gogoi, Tinsukia

**Excellent Eco Clubs**

**COLLEGE-**

- Tinsukia College, Tinsukia
- Biju College, Chirang
- Gauhati College, Kamrup Metro

**SCHOOL-**

- Adarsha Vidyalya, Moirabari, Morigaon
- Goalpara Vidyapith High School, Goalpara
- Modern English School, Baksa
- Dhemaji Girls' H.S. School, Dhemaji
- Sarupeta High School, Barpeta

**Excellent College Environment & Climate Cells**

- Bholanath College, Dhubri
- Pranab Jubilee College, Karbi Anglong
- ✓ **Bahona College, Jorhat**

**WORLD ENVIRONMENT DAY**  
**ONLY ONE EARTH**  
5 JUNE 2022

**Dr. Himanta Biswa Sarma**  
Chief Minister, Assam

**Assam Science Technology and Environment Council**  
&  
**Sub-Divisional Administration of Kaliabari**

cordially invite your kind presence and participation in the celebration of

**World Environment Day 2022 on 5<sup>th</sup> June**

Shri Keshab Mahanta  
Hon'ble Minister of Science, Technology and  
Climate Change, Assam

has kindly consented to grace the Central Function as the Chief Guest.

To commemorate this occasion an initiative of planting 1 lakh saplings in Kaliabari Sub Division has been taken up under "Shyamalee Kaliabari" project with a commitment to nurture the same.

In this noble endeavour the Forest Department, Village Panchayat, Educational Institutions, Government Agencies, NGOs, Business Community and individuals have extended their active association to make it a grand success.

5<sup>th</sup> June 2022  
Central Function at Kaliabari College at 9:45 A.M.  
Plantation at all identified places in Kaliabari from 10:45 A.M. to 11:00 A.M.

Dear Nature Lovers,  
We all wish to live in a clean and green earth. Our earth is the only place where we can survive. We are all concerned with the changes due to global warming and climate change. Under the guidance of Hon'ble Chief Minister, Dr. Himanta Biswa Sarma the Science, Technology and Climate Change Department has been envisaging special climate change mitigation and adaptation initiatives. One such initiative is a special scheme named **Chief Minister's Fellowship for Climate Resilient Villages**, which will be offered to meritorious youths. On this occasion we are announcing the names of ten eminent personalities as "Friends of Environment" to honour their contribution towards environmental conservation and also names of selected Eco-Clubs and "College Environment and Climate Cells" for their exemplary works.  
It is the responsibility of every citizen to keep our earth safe. Let us all join hands together to gift a greener earth to our future generations.

Keshab Mahanta  
Minister, Science, Technology and  
Climate Change Department

# Excellent College Environment & Climate Cell Award received from Science, Technology and Climate Change Department, Government of Assam