

**Shetkari Shikshan Prasarak Mandal Sanchalit**  
**Bhauasaheb Birajdar Senior College,**  
**Baloor**



Shetkari Shikshan Prasarak Mandal

# BHAUSAHEB BIRAJDAR SENIOR COLLEGE

BALASUR, TA. OMERGA DIST. OSMANABAD

**Art & Science**



**Principal**  
Dr. Swati Yadav

Estd. July 2009  
Mob. 9665681633

Ref, No.

Date : / / 20

## **Green Initiatives and Environment Friendly Campus**

We believe that the best practises of our institution find validation in the fact that, each year, numerous students, their number are always average than the previous year, apply for admission to our college. Besides the pursuit of imparting education to the earthquake affected rural students, social and academic reforms are meant to motivate students so that they are able to develop themselves into educated beings, ready to stand alone for themselves in society. Keeping the growing ecological concerns in mind, there is a dire need for immediate action to be carried out and promote eco-friendly practices. The college firmly believes that, when it comes to environmental conservation, awareness must be followed by sustainable practices. In this endeavour, different departments, along with various committees in the college, have undertaken several initiatives and organised different activities to reduce different kind of pollutions and inculcate greener practices. Listed below are the details of many such initiatives being undertaken:

- To save the human being from the effect of environmental pollution.
- Eco-campus by planting more trees.
- Conservation as well as generation energy.
- Efficient use of available water.

- Proper waste management.
- To tell environment degradation.
- Planting and maintaining trees.
- To accept clean production concept

## **2. Objectives of the Practice**

We have identified the following objectives that are in tune with the practice:

- i. To raise environmental awareness among students, resulting in better environmental management, greater sustainability, and an improvement in the quality of life for all stakeholders associated with the campus.
- ii. To make the campus as pollution-free as possible, to safeguard every connected stakeholder from the adverse effects of environmental pollution. Plant more trees and protect the ones that are already there. We are trying to keep the campus clean and pollution free by putting into practise energy conservation strategies.

## **3. The Context:**

Today there is a great need for environment conservation, because we are facing several environment problems. The main cause behind these problems is that human beings are consuming natural recourses at a much quicker pace than they can be recharged. Pollution is becoming very serious day by day due to deforestation and urbanization. As College is located in rain shadow region, it receives scanty rainfall. It was necessary to look forward to make efficient use of available water and other resources. A clean and healthy environment aids effective learning and provides a conducive learning environment. We decided to educate and make aware students on the issues such as renewable energy sources, waste management and recycling. We decided to work in the areas of tree plantation, save water and cleanliness. The stakeholders work to develop an

eco-friendly, sustainable campus and to disseminate the concept of eco-friendly culture.

A clean environment is a basic necessity for human beings health and efficiency. The main aim of the practise is to impart knowledge, create awareness, develop an attitude of concern and nurture the necessary skills to handle the environmental issues and challenges.

#### **4. The Practices:**

##### **Green Development and Community Outreach:**

The College has adopted a village named Mallikarjun Nagar Balsoor Tq-Omerga situated in the district of Osmanabad, Maharashtra. We have put in an honest effort to ensure that our economically backward farmers become self-sufficient through various green and sustainable practises that the college in the process, achieves economic and social advancement. For instance, the college has trained the resident of the aforesaid village in the fields of rearing and cultivation of Kharip and Rabbi Crops as well as various other activities. Through such community development initiatives, we believe that we are able to make a difference in the lives of those are economically Backword farmers, and thus, fulfil the responsibility of humanity.

##### **Our environmental policy**

- To create awareness regarding environmental policy amongst the students and management.
- To maintain a pollution-free campus by avoiding tobacco, pan-masala, and its subsequent chewing within the campus.
- Tobacco-free campus signboards are displayed at various strategic locations throughout the campus in accordance with government rules and regulations.

- To sensitise the students and staff regarding the safe and sustainable use of potable drinking water, we have provided purified drinking water facilities within the campus.
- To maximise the use of ICT and to minimise the use of paper
- To use solid waste for compost in the campus, it uses as a fertilizer.
- We have built seating arrangements under the shade of trees on our campus.
- To use "Use me" dry and wet dustbins on the college campus so as to keep the college campus clean.
- To maintain a green campus, a "green audit" is planned to be done on a periodic basis.

The College resolved to work with stakeholders to foster a culture of self-sustainability and eco-friendly campus. The time bound strategies are developed to implement green campus initiatives. At the outset, a committee comprising faculty from the various departments is constituted in consultation of IQAC. It was entrusted the task of formulating strategies for clean and green campus. This helps in strengthening ecocampus. Following are the initiatives for making eco-friendly campus. The college has developed a beautiful green campus and a botanical garden, etc.

- Signboards/posters are displayed on the college campus to encourage ideas of plastic-free campus, noise pollution, and environmental awareness.
- LED bulbs are installed in the college buildings and the campus to save electricity.

#### **a. Tree plantation drive**

The college initiated a tree plantation drive at Shetkari Shikshan Prasarak Mandal Sanchalit, Bhausahab Birajdar Senior College, Balsoor, Tq-Omerga, Dist-Osmanabad. campus over three acres of land near Balsor, Ekurga village border. Every year about 10 saplings are planted and maintained by our staff members and students.

### **Tree Plantation:**

Our institution is committed whole-heartedly to the cause of the environment. We regularly undertake tree planting initiatives on our campus as well as outside. The College organises regular tree plantations and poster presentation on environmental themes to raise awareness about nature and natural resources. The college organises regular plantation drives in the college. Teaching and non teaching staff members, along with students, actively participate in these tree plantation drives.

#### **b. Energy audit**

The college conducts energy audit every year. The college has optimized on the usage of **Energy Efficient LED Fittings**.

#### **Conservation of energy:**

College receives inadequate power supply from local power grid for its academic and administrative needs. Hence, in order to meet our requirements, the resources are used very economically which is resulted in minimum expenditure on fuel, electricity bills. This helps us to overcome reliance on electronic power supply. Following initiatives are employed on the campus:

- Tube lights and bulbs have been replaced with LED bulb and tubes.
- Optimum power utilization is practiced.
- Plants in the campus are watered without wasting the water.
- Students are provided safe and clean drinking water.
- The wet waste and dry leaves of plants are used for Bio-fertilizer.

#### **Energy conservation:**

Our college has been very conscious about energy conservation. All tube lights, fans and switches are numbered so that only the needed ones will be switched on. On every Campus, the floor supporting staff and students are trained to switch off lights and fans when not required. The other strategies put to use include:

- Restricted entry of automobiles

- Use of Bicycles or Battery-powered Vehicles
- Ban on the use of plastic
- Landscaping with trees and plants

#### **d. Cleanliness drives**

The students of NSS and staff members of Shetkari Shikshan Prasarak Mandal Sanchalit, **Bhauasaheb Birajdar Senior College, Balsoor, Tq-Omerga, Dist-Osmanabad.** regularly work for cleanliness drives. NSS volunteers collect the waste in camp near the college.

#### **e. Waste Management:**

Paper waste management has been initiated by going digital and reducing paper use. The focus has been laid on reusing and recycling the used papers in the library and various other offices in the college. The waste generated is managed efficiently through modern e-waste management methods. The college has banned the burning of dry leaves and branches. Compost pits have been prepared on the college premises and are being used for dumping organic waste and green waste for future reuse as manures. The college uses vermi-compost pits to create compost from biodegradable waste. The compost pits rely on natural decomposition, accelerated by earthworms and bacteria, to break down organic matter into manure. The college has also implemented a mechanism to dispose of solid waste in a scientific manner. Biological and chemical wastes are released only after necessary treatment.

#### **f. E- Waste management:**

Shetkari Shikshan Prasarak Mandal Sanchalit, **Bhauasaheb Birajdar Senior College, Balsoor** has very efficient mechanism to dispose E-wastes generated from various sources. Ewastes are generated from ICT Lab, Physics Lab, Chemistry Lab, Botany Lab and Zoology Lab and Administrative Offices. The e-waste includes out of order equipment's or obsolete items like lab instruments, circuits, desktops and accessories, printer, charging and network cables etc. All these wastes are put

to optimal use. All such equipment's which cannot be reused or recycled is being disposed through Vendors (Shiv Vainkatesh Infotech, Omerga).

**g. Solid waste management:**

Pollution from waste is aesthetically unpleasing and results in large amounts of litter in our communities which can cause health problems. Solid waste can be categorized into three types: biodegradable, non-biodegradable and hazardous waste. Bio-degradable wastes include food wastes, canteen waste, wastes from toilets etc. Non-biodegradable wastes include plastic, tins and glass bottles etc. Hazardous waste is waste that is likely to be a threat to health or the environment like cleaning chemicals, acids and laboratory chemicals. Each and every department and administrative offices of our college create some waste and dumped in small waste bin located in the department.

Each building several dust-bins is placed from where Peon takes the wastes.

From the small bin wastes are dumped in big bin by the Peon regularly.

Collected the big waste bins from Gram-panchayat, Balsoor took the solid wastes.

Bio-degradable wastes are effectively converted to fertilizer and use in farm.

College produces lot of paper waste. Paper wastes from Academic Blocks, Library, Exam, Administrative offices, are disposed through vendors. The wastes are properly stacked in designated place and later disposed through vendors for proper waste management.

**Green Audit:**

- Institute conducts green audit to energy conservation.
- Also on all events regular announcements are made to reduce the use of plastics as an awareness exercise.
- The entire campus is well maintained with a rich collection of trees and plants that make the environment carbon dioxide free and to maintain good health of students and staff.



- The campus is enriched with greenery of 10% of total area which includes landscapes with grass, bushes, trees and ornamental trees by maintaining biodiversity.
- Vehicles are parked away from the academic buildings to reduce the sound and air pollution.
- A small section of non-teaching staff uses bicycles for mobility within the campus and nearby
- LED bulbs were used for newly constructed buildings and some of the incandescent and fluorescent tube lights are replaced with LED bulbs. Majority of the class rooms, laboratories, administrative blocks, computer centers, libraries, seminar halls and staff rooms were provided with LED lighting system which are supposed to be the energy efficient. Now, the power consumption through lighting system about 20 percentage is met by LED bulbs.
- Posters presentation on awareness on energy conservation and water conservation are made available in all relevant locations.
- Education on Environment and Sustainability is part of the contemporary curriculum to create awareness among students on environment and sustainability.

#### **5. Evidence of Success:**

This best practise has proven to be successful through the following activities:

1. An awareness campaign for the plastic-free campus through signboards and display boards has made the campus overall plastic free.
2. Through /NSS/Red Ribbon Club, students are made aware of the various environmental issues.
3. A mandatory course on environmental awareness at the B.A ./B.Sc Second Year student is taught.

4. The green campus developed by college helps not only to save the environment, but also adds to the beauty of the campus. Besides providing shed to people, the plants are used for scientific studies.
5. College is able to save a lot of money on electricity bills due to above initiatives and is evidenced from the past electricity bills.
6. Water conservation methods employed are helping maintaining gardens and campus green and eco-friendly.
7. Ban on plastic items has made college campus clean and beautiful.
8. Eco-campus strategies employed resulted in one of the beautiful and clean college in the vicinity. It has resulted in attracting more students.

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

While carrying out this practice, the following problems are encountered by the college:

1. Green Campus initiatives are challenging, so they require determination and a long-term commitment from all the stakeholders.
2. The Green Campus initiative is a rather expensive practice. It needs expert advice and an investment of resources.
3. Sufficient manpower is needed to sustainably maintain green practices.
4. Lesser awareness among the students and community towards environmental issues aggravates the problem levels.

*Factor*



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Shetkari Shikshan Prasarak Mandal Sanchalit,  
**Bhauasaheb Birajdar Senior College, Balsoor**  
**Tq.Omerga Dist.Osmanabad**  
Academic Year 2021-2022

Green campus initiatives include: The institutional initiatives for greening the campus are as follows

### Use of Bicycles



*Principals*  
**PRINCIPAL**  
Bhauasaheb Birajdar Sr. College  
Balsoor, Omerga, Dist. Osmanabad



Collect plastic by staff & student



Campus in Tree plantation

*Jagan*  
**PRINCIPAL**  
Bhausaneb Birajdar Sr. College  
Balsoor 1q. Omerga Dist. Osmanabad



Tree plantation by staff



Tree plantation by student





Tree plantation by student

**PRINCIPAL**  
Bhausahab Birajdar Sr. College  
Balsoor Tq. Omerga Dist. Osmanabad



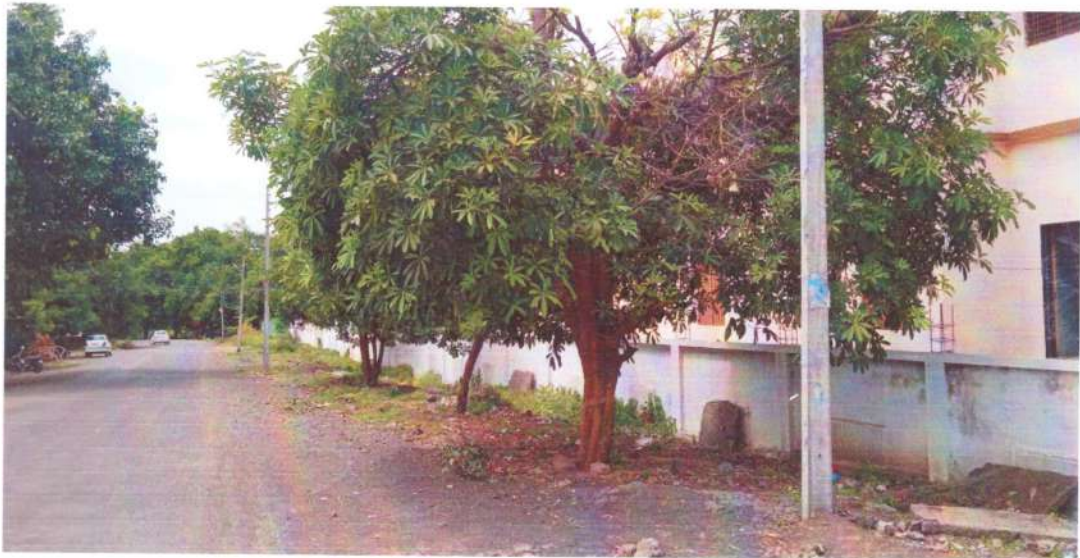
Green Campus

*Jadhav*  
**PRINCIPAL**  
Bhausaheb Birajdar Sr. College  
Balscor 1q, Omerga Dist. Osmanabad

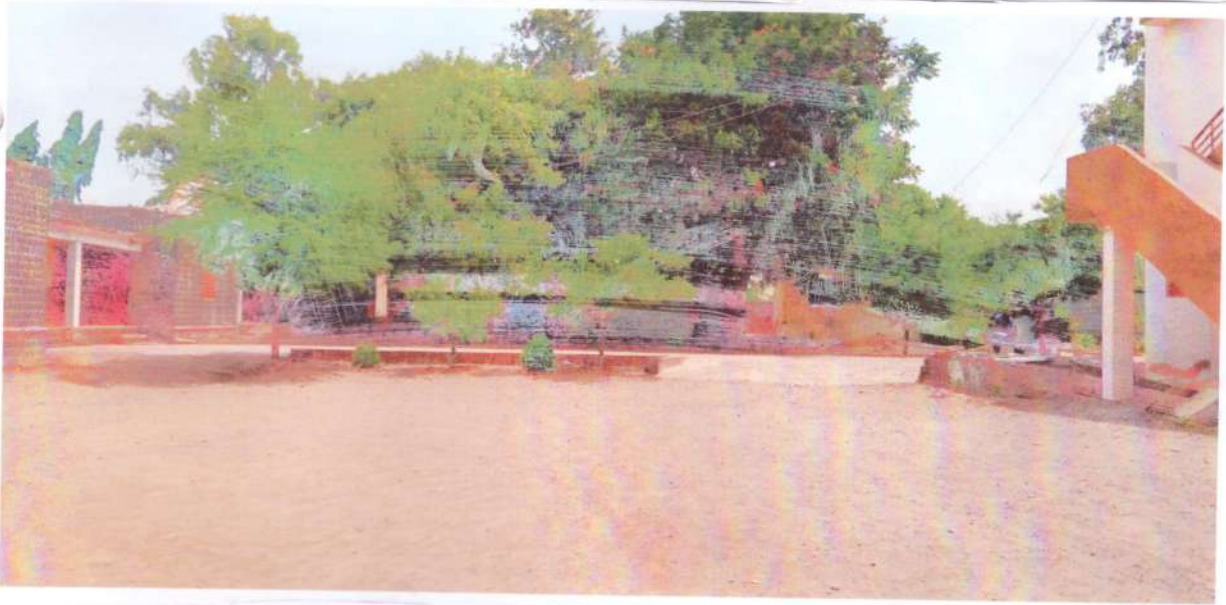


Green Campus

*Fateh*  
**PRINCIPAL**  
Bhausahab Birajdar Sr. College  
Balsoor 1a, Omerga Dist. Osmanabad



Green Campus.



Eco-friendly pathway.

  
Principal  
Shausahab Birajdar Sr. College  
Balsore Tq. Orissa Dist. Deogarh