

# **CHANDIDAS MAHAVIDYALAYA**

**KHUJUTIPARA, NANOOR, BIRBHUM,  
WEST BENGAL-731215**

**A GOVERNMENT AIDED DEGREE COLLEGE  
AFFILIATED TO THE UNIVERSITY OF BURDWAN  
NAAC ACCREDITED IN 2011 & 2016**



**GREEN POLICY**

# Green Campus Policy Documentation

## 1. Clean and Green Management

### **Policy:**

The Green Campus Policy of the college envisions for environmental friendly practices and education combine to promote sustainable and eco- friendly practices in the campus and outside the campus. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of mankind. The Policy taken for the institution are follows-

- ❖ Environmental-friendly practices and education combine to promote sustainable and eco-friendly practices in the campus.
- ❖ To adopt targets for improving environmental performance. To manage its operations in ways that are environmentally sustainable, economically feasible and socially responsible.
- ❖ Organizing annual tree plantation drives to encouraging student societies to hold tree planting events.

Greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energies for its daily power needs, correct disposal handling, purchase of environment friendly supplies and effective recycling program. Institute has to work out the time bound strategies to implement green campus initiatives. These strategies need to be incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus.

### **Campus greenery:**

Inside the college campus there is a well-maintained **landscape garden** (about 10,000 square feet) comprising numerous small trees, shrubs and several ornamental and decorative plants.

College has also nurtured two (02) pockets of **Herbal/Medicinal Garden** with various regional as well as non-regional medicinal plants.

The college also maintains **Vegetable Garden** without using any pesticides & chemical fertilizer but only with organic manure.

A **Rose Garden** is also maintained accommodating more than hundred rose plants with enormous varieties.

A **Dessert rose** (*Adenium sp*) garden is also there beside the normal rose garden. It has been planted on roof top of a big water-reservoir of nearly 800 sft. area.

In this garden-zone birds of various species are often spotted.

Green committee of the college separately maintained a fruit garden at one of the corners of the garden.

### **Maintenance of the garden:**

College's **NSS volunteers** along with **volunteers of Eco club** maintain the garden. They actively and timely water and prune whenever required.

### **Conduction of Green Audit:**

College committed to create “an environment of educational excellence” adopts the ‘Green Campus’ system for environmental conservation and sustainability. The College conducts Green Audit every year to identify, quantify, describe and priorities a framework of Environment Sustainability in compliance with the applicable regulations, policies and standards with help of **University's Green Audit team**.

### **Cleaning the college campus:**

**NSS volunteers** of the college clean the college campus at a certain interval as a part of their Regular activities with the help of college's deployed one temporary staff.

College celebrates a compulsory “**Campus Cleaning Day**”, on the day before the celebration of “**World Environment Day**”.

**Drainage system:** The college maintained clean and well-connected concrete drainage system inside the college premises and it is well connected with the outer drain. It is well maintained to ensure no water stagnation.

**Interdepartmental cleaning contest:** An interdepartmental cleaning contest is organised by the college on the day before Mahatma Gandhi's Birth Day and observed as "**The Gandhi Purnaha**". All members of the college including all the Teachers, Staffs and Students participate in the programme. After the programme, the best "cleaned department award" is conferred by the College.

### **Paperless Operating Procedure:**

Our institution is striving towards a paperless office, a work environment in which the use of paper is eliminated or greatly reduced. This is done by converting documents and other papers into digital form, a process known as digitization. We believe that "going paperless" can save money, boost productivity, save space, make documentation and information sharing easier, keep personal information more secure, and help the environment.

Several initiatives are taken to minimize the usage of paper. Wherever possible automation and digitization are introduced which helped in minimization of usage of paper. Digital storage of documents is one such measure. Institutional data to a great extent is stored digitally. Technology is used to a greater extent for communication among the staff and the students rather than paper communication. What's app - class wise groups, Department wise groups, Committee wise group facilitate E-communication and use of public address systems reduces usage of paper in notices and circulars.

In addition to going paperless in the classroom, the college has also introduced "Learning Management System" wherein references, notes, syllabus question banks, study material is stored and shared on the e-platform, avoiding massive usage of paper. The teachers have also experimented with alternatives of paper -based testing with e- assignments and other skill -based tests like presentations, group discussions etc.,

## 2. Water Management

### Policy:

The college is enacting to ensure sustainable water management. The campus is provided with large expanse of previous land to assure ground water recharge. Economic and efficient use of water is always encouraged. Water reuse is vitalized through gardening, cultivation and cleaning purposes. The college has a rain water harvesting project to collect and store rainwater. The reservoir tank has a capacity of 1.5 Lac litter (= 39625.8079 Gallon). Policy taken by the institution are as follows-

- ❖ To make efficient and environmentally responsible use of water, including identifying opportunities for water reuse.
- ❖ Water leaks, dripping faucets and fixtures that do not shut off should be reported.
- ❖ To implement Rain-water harvesting.
- ❖ Water flow restrictors on bathroom faucets and showers, low water flow toilets and automated urinal flushers should be used to cut down campus water use.
- ❖ The Institute will take all necessary measures to implement waste water management /rain water harvesting.

### **Rain water harvesting and water recharging:**

The college ensures rain-water conservation through rainwater harvesting. The rain water from the roof top outlets is carried through the well-connected pipelines to the wells or is collected in the large water harvesting tanks and the overflowing rain-water from these tanks is discharged in the soak-pits for ground water recharge.

Rainwater from the different college buildings is taken to the wells for ground-water recharge. A proper care is also taken to keep the Rooftops cleaned so that unnecessary garbage does not mix with the rainwater leading towards the well. The inlets of these tanks are controlled by the ball-valves to avoid water overflows.

College maintains a Rain water harvesting management with a proper concrete drain to the agricultural field via a community's water body. Also, there is water recharging unit with a bored well of nearly 190 ft. and water is reached to 1<sup>st</sup> aquifer.

A big water reservoir is also there for the purpose of rain water storing and subsequently for harvesting in watering in the garden and overflowed water is released via concrete drain connected to the community's pond.

### **3. Energy Management**

#### **Policy:**

Energy management is the translation of conservation ideas into realities, by lending technically feasible solutions with economic and other organizational considerations within a specified time frame.

- ❖ To provide a " bench-mark" (Reference point) for managing energy in the organization and also provides the basis for planning a more effective use of energy throughout the premises.
- ❖ To reduce the amount of energy input into the system without negatively affecting the output.
- ❖ To identify potential energy efficiency improvement measures and are applied independently.
- ❖ To minimise energy costs / waste without affecting production & quality.
- ❖ To minimise environmental effects.

The college is committed to use energy in an efficient way. Solar energy is used in the campus. Solar panels are installed to get solar light. LED bulbs are used in the classrooms and offices to ensure low consumption of energy. Power management features are activated when electronic devices (printers, computer, monitors etc.) are not in use to avoid energy consumption.

#### **Arrangement of cross ventilation to ensure sufficient natural light and to minimize use of electricity:**

All classrooms are well fitted with 04 to 08 large windows and there by ensure cross-ventilation to make these rooms airy and sunny and resultants of which to minimisation of electricity consumption.

### **Using LED lamps:**

In compliance with the advice of the **Green Committee and University Audit panel** all the florescent bulbs and CFL bulbs have been replaced with LEDs since 2018-2019.

### **Use of energy efficient fans, air-conditioner, refrigerators etc.**

In accordance with the resolution adopted in the **Green Committee** all electrical appliances of the college are of energy efficient.

### **Installation of solar panels:**

The college has installed **Solar panel** on 09.08.2017 (the date of handover of the project) with the patronage of the Government on the rooftop of the main building to minimize consumption of normal electricity and less dependence on colloquial electric system.

### **Short-circuit & Water linkage Management:**

According to the suggestion of **Green Committee of the college and Audit panel of the University**, all electric and plumbing lines are regularly maintained and monitored to avoid any type of mishap caused by short circuit or like this. The Convener of the green Committee keep vigils to avoid unnecessary use of electricity, water leakage and water dropping in anywhere of the college campus.

### **Sensitisation of the students and other stuff of the college:**

Various sensitisation programme on energy conservation, water conservation, environment pollution, solid hazards management, environmental degradation etc. are organised in collaboration with the **Green Committee and NSS Units** of the college. Sometimes outside resource persons are also invited for.

### **Awareness on misuse of electricity:**

All stakeholders comprising students, NTS teachers etc. are made aware to advising them to switch-off of all electrical appliances when not in use. In this respect advice message stating in board “**Pl. switch off fans and light when not in use**” are displayed in various corner of the campus. In almost all rooms there are **master switch connection point**.

### **Conducting Energy Audit:**

Energy audit of consumption of electricity in the college is conducted every academic year with help of **University’s Audit team**. The objective of this audit is to identify the extent of energy consumption and find appropriate strategies of conservation.

## **4.Noise Pollution Management:**

**A) Silence zones in the college:** Various display boards have been placed in the library and other places for awareness to maintain silence in the college.

**B) Noise control in the college:** The security guard of the college ensure smooth entry and exit of students without any noise.

**C) No pressure horns for vehicle:** Our staff members and students are asked to refrain from pressure horn.