

# **ENVIRONMENT MANAGEMENT POLICY KAKOJAN COLLEGE**



**IQAC, KAKOJAN COLLEGE**

**Policy Adopted on 27/06/2018**

### **Context:**

With the primary goal of raising knowledge about the environment and sustainability, Kakojan College has created an Environment Management Policy and accepts responsibility for the environmental impact of its actions. The institution would provide a setting that would encourage students to adopt the philosophy of "Think globally, act locally." It complies with all applicable environmental laws. All relevant stakeholders are urged to follow the environmental policy and develop into future eco-aware citizens.

Being situated in a rural area, since its establishment in 1967, the college has always had sustainable initiatives at the core of all activities. As the institution comprised of three sectors (Sector A= Main Building, Sector B=Model Organic Garden and Sector C= Girls' Hostel),the land use pattern in Sector A is that about 25% of the total area is occupied by open land and plantation that generates a better and sustainable campus environment, Sector B is comprised of 20 bigha , the area is left in its natural form and acts as a natural habitat of a large variety of species of grasses, herbs, shrubs and trees while Sector C is comprised of 2 kotha land has Girls' Hostel.

### **Scope of the Policy:**

The Policy on Environment Management will develop a sense of responsibility and belongingness towards environment and sustainability among students and employees.

The scope of this policy extends to the following areas:

1. Clean Campus Initiatives.
2. Clean Air Initiatives.
3. Installation of resource saving devices.
4. Waste Management processes.
  - a) Solid Waste Management.
  - b) Liquid Waste Management.
  - c) E-Waste Management.
5. Environment-centric Student Societies and Departmental Activities.
6. Green Audit.
7. Energy Audit.

### **Objectives:**

1. To take initiative to develop clean campus mechanism.
2. To initiate measures to make the air clean.
3. To take initiative on installation of resource saving devices.
4. To implement waste management process.
5. To organize environmental awareness programme through Student Centric Societies and Departmental Activities.
6. To conduct Green Audit.
7. To conduct Energy Audit.

## **Action Plan:**

### **1. Clean Campus Initiatives:**

The institution actively coordinates cleanliness activities in the college and beyond the campus in accordance with the vision of Swachh Bharat Abhiyan. It commits to continue with this Programme as follows

- a) Regular cleanliness drives will be held to raise general awareness of cleanliness and hygiene among students and staff members. It is intended to inspire them to actively contribute.
- b) Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work will be done by proactive NSS and NCC unit of the college.
- c) Staff Members will be encouraged to participate in the cleanliness drive in the college campus.
- d) Events/Competition such as poster, essay writing, Best out of Waste Product, Science Model will be organised.
- e) All kinds of waste material like broken furniture, unusable equipment etc will be renovated or removed.
- f) The institution will be dedicated to managing garbage and keeping the campus clean, particularly during college events.

### **2. Clean Air Initiatives:**

Public transit use will be promoted among students and faculty members, helping to reduce air pollution and improve interpersonal relationships. NASA advised using plants like snake plants for air purification. A specified location will be planted with plants like aloe vera and money plants to clean the air. Exhaust fans will be provided in kitchen and chemistry laboratories.

### **3. Installation of Resource Saving Devices:**

#### **a) Renewable Sources of Energy:**

- i. Kakojan College is committed to reducing and managing its use of electricity responsibly. The college will transition to clean energy sources like solar energy in order to reduce its dependence on non-renewable resources for things like lighting the campus.

#### **b) Energy Saving and Energy Efficient Equipment:**

- i. Kakojan College will be dedicated to installing energy-efficient electrical appliances that minimise inefficient waste. The college favours employing greener energy sources, such LED lights. Students and staff will turn off tube lights and fans when not in use. Users will be encouraged and assisted by signage to turn off lights and fans to conserve electricity.

**c) Water Conservation through Rainwater Harvesting System:**

- i. To replenish the maximum fall of ground water levels, Kakojan College will be practicing rainwater harvesting which will help in the replenishment and recharge of the groundwater.

**4. Waste management process**

Kakojan College strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus.

**i. Solid Waste Management:**

There will be red bins for non-biodegradable waste and green bins for biodegradable waste on campus, which will separate the waste generated there at the point of generation. Non-biodegradable garbage is sent for recycling or dumped in a landfill; on the other hand, biodegradable waste, which includes paper and tree poop, is used to create bio-compost. Sector B will produce vermicompost from the remaining organic waste that is produced there.

**Incinerators:** To maintain the hygiene among girl students the institution will launch an incinerator for disposal of sanitary napkins at girls' common room.

**Eco Brick Plant:** To reuse and reduce the one time used of plastics the institution in collaboration with NSS will initiate an Eco Brick plant.

Waste papers that have outlived their preservation period will be given to the vendor for recycling. Waste materials made of metal and wood will be kept and given to scrap dealers for additional processing. Laboratory empty bottles will be reused, while broken glassware will be appropriately disposed of at a disposal facility. In all areas, used single-sided paper shall be utilised for writing and printing. Instead of photocopying, scanning is used.

**ii. Liquid Waste Management:**

- a. The primary sources of wastewater production are kitchens, canteens, restrooms, and laboratories. Liquid waste from bathrooms and laboratories will be properly disposed of using soak pits.
- b. To stop any water leakage through taps, pipes, tanks, toilet flush etc. Grade IV Employee of the institution will take immediate steps
- c. Leak proof water fixtures will be applied to stop the leakage

**iii. E-Waste Management:**

E-waste will be sent for recycling; cartridges will be refilled.

**5. Environmental Awareness Programme through Student Centric Societies and Departmental Activities:**

All of the departments at Kakojan College as well as certain student organisations like Science Club, NSS, and NCC will be encouraged to plan activities, contests, and

training sessions aimed at promoting environmental improvements at the grassroots level. The college will assist departments and student organisations in transforming students into proactive environmental stewards. The college will establish an agreement with an environmental activist group, urge the departments to host special lectures on environmental concerns, and recognize days that are relevant to the environment.

#### 6. Green Audit:

The institution will carry out a green audit of the campus to identify its advantages and disadvantages in order to advance sustainability objectives over the long run. A great method for figuring out how and where most of the energy, water, or resources are being used is a green audit. The college will think about how to make cuts and execute adjustments. It will help people comprehend the effects of eco-friendly measures on campuses. Green auditing will promote financial savings through reduction of resource use.

#### 7. Energy Audit:

To lessen its carbon footprint, an energy audit will be performed. It is crucial to cut back on energy use. Energy auditing is a technique that identifies ways to conserve energy in a facility without affecting output. It seeks to systematically locate potential for energy efficiency, conservation, and savings at the audit sites' facilities. A thorough energy management plan can be created and implemented by a facility using an energy audit. The audit will be given different methods for more significantly decreasing energy consumption. Energy audits will include a range of topics, including potential energy savings, energy management, alternative resource etc.

#### 8. Review and Update

The college shall continuously review and update the approved policy and is committed to its implementation.

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