



MAHISHADAL RAJ COLLEGE
(Govt. Sponsored)

Estd. : 1946

NAAC accredited 'A' Grade College
DST (FIST) Govt. of India Approved College
Mahishadal : Purba Medinipur
E.mail : principal.mrc1946@gmail.com

Phone: 03224-240220

Clean and Green Campus Policy Document

Context

Established in 1946 in the rural belt of Mahishadal at Purba Medinipur, Mahishadal Raj College has been sensitive to protection and preservation of environment since its inception. The college believes in sustainable living and tries to implement practices and methodologies to that end. Taking into account the necessity of protecting environment for a sustainable, pollution-free and healthy life on the planet Earth in the coming years, the college has formed its Green Protocol.

Mission

To create environmental consciousness among the society; to go green, promote circular economy, and convert waste to wealth.

Scope of the policy

The focus areas of this policy are:

- Clean Campus Initiatives
- Landscaping Initiatives
- Infrastructure
 - a. Solar Power Plant
 - b. Installation of Energy Efficiency Equipment
 - c. Water Conservation through Rainwater Harvesting System
- Waste Management Processes
 - a. Solid Waste Management
 - b. Liquid Waste Management
 - c. E-Waste Management
- Green Audit
- Energy Audit
- Plastic-free Campus

Objectives

1. To sensitize the students and the staff to minimize the use of polluting products and use environment-friendly products and services.



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2. To protect and conserve ecological systems and resources within the campus.
3. To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
4. To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
5. To make the campus single-use plastic free.
6. To conduct green, environmental and energy audits from time to time.

Initiatives Taken to Implement the Clean and Green Campus Policy

1. Landscaping with Trees and Plants

The college has a canopy of trees and plants to make the environment pollution free and utmost care is taken to maintain the green landscaping by the college. Medicinal garden is maintained by the Department of Botany. Tree plantation saplings were planted around the college premises on Environment Day. The Department of Zoology preserves 'relic forests' which are sites for exotic and indigenous flora and fauna. It also maintains a kitchen garden in the second campus of the college.

2. Plastic-free Campus

Initiatives has been taken by the college to maintain a plastic free campus. To restrict the use of plastic, measures have been taking to counsel the students and staffs against the use of single-use plastic in the campus. Water filters station has been installed in the college to make it easier for students to refill their water bottles and advised not to use plastic bottles.

3. Observance of Green Thursday to Restrict the Use of Petrol/Diesel Vehicles

The Saturday of every week is observed as Green Saturday when entry of automobiles is restricted on campus.

4. Solar Panel

The college had a few miniature solar panels that was connected to a few lights. Recently, a 20 KV solar panel on the main building that is connected to the main electric meter. It reduces the WBSEDCL electricity bill by approximately 20%. Beside the primary solar panel, four pieces of solar high mast light, each of 50 watts, have been installed. Two pieces of solar campus light, of 50 watts each, have been installed on the terrace. There are ten pieces of solar street light, each of 30 watts, in the second campus of the college.



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5. Rainwater Harvesting

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 six tanks of 1000 litres each. Water collected in these tanks is used in the urinals. Excess water in the rainwater harvesting water collection tanks is discharged in the pit for groundwater recharge.

6. Vermicomposting

A Vermicompost Unit is established in the second campus of the college by the Department of Zoology. The students of the department actively involve themselves to run this unit. Organic waste material is collected from the college campus by the students to deposit it in the vermicompost tank. Using earthworms, organic manure is manufactured.

7. Waste Management

Solid Waste Management:

The college is aware of the process of collecting and treating the solid wastes. For disposal of degradable and non- degradable wastes, separate colour coded bins for dry and wet waste have been installed in the college premises. Efforts have been made by the college to educate students and staffs on proper waste management practices through lectures and advertisement on notice boards. There are two 50 litres bins on each floor, one for biodegradable waste and the other for non-biodegradable waste. Non-biodegradable waste is handed over to vendors and biodegradable waste is converted to compost for medicinal plants.

Liquid waste management:

The college has septic tanks which takes care of the liquid wastes and ensures that such wastes do not pose any hazard. Hazardous chemicals used in the laboratories and the harmful waste generated there are carefully handled and not allowed to mix with general waste of the college.

E-waste management:

E-waste generated by the college is collected by Hulladek Recycling Pvt. Ltd., a company committed to the collection and recycling of e-waste.

8. Green, Energy, and Environmental Audit

The college regularly carries out green, energy, and environmental audit. The audit is conducted by Green, Environment, and Energy Audit Team at the Institute of Nature Research and Conservation (INRC).



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9. Observation of Environmental Days

The college celebrates different national and international days dedicated to the environment and ecology such as the 'World Environment Day' (5 June), 'International Tiger Day' (29 July), 'International Day for the Preservation of the Ozone Layer' (16 September), 'World Biodiversity Day' (22 May), 'World Wetland Day' (02 February), and 'Wildlife Week' (02 to 08 October).