



# MUKAND LAL NATIONAL COLLEGE

(Affiliated to Kurukshetra University, Kurukshetra) Estd. 1955

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YAMUNA NAGAR – 135 001 (Haryana)

## Criterion 7 – Institutional Values and Best Practices

### 7.1.3 Quality audits on environment and energy regularly undertaken by the Institution.

**Highlighted copy of the Policy Document on Environment and Energy Usage of the institution for the last five years.**

Principal

Mukand Lal National College,  
YAMUNA NAGAR (Haryana)

**Dr. Ritu Kumar**

**Principal (Offg.)**



**POLICY DOCUMENT**  
**ON**  
**ENVIRONMENT AND ENERGY**

**MUKAND LAL NATIONAL COLLEGE**  
**YAMUNANAGAR**  
(Affiliated to Kurukshetra University, Kurukshetra)

**Scope**

Mukand Lal National College, located in Yamuna Nagar, is dedicated to provide its students with a holistic and quality-oriented education. With a vision to promote enlightenment through education, the college strives to instill values and aware and enlighten citizens for their roles in the society. As part of its commitment this vision, this policy aims for judicious use, conserving and managing resources by all employees, students, contractors, agencies, and visitors of the college.

## **Preamble**

This Policy on Environment and Energy of Mukand Lal National College reflects an unwavering commitment to environmental sustainability and responsible resource management. We recognize the urgent need to address the pressing environmental challenges of our times and strive to create a campus environment that aligns with our vision of a clean, green and more sustainable future.

This policy preamble serves as an introductory statement that lays the foundation for our comprehensive approach to environmental stewardship. It embodies our collective dedication to fostering a culture of sustainability, promoting responsible water and other resource usage, and advocating for energy efficiency and conservation. We firmly believe that by embracing these principles, we can make a significant positive impact on our immediate community and beyond.

As an educational institution, we understand the critical role we play in shaping the minds and attitudes of our students. By integrating environmental education into our curriculum, engaging in awareness campaigns, and providing opportunities for hands-on participation, we aim to empower our students to become environmentally conscious and socially responsible individuals.

This Policy is evolved on the principles of sustainability, efficiency, collaboration, and continuous improvement. Through the responsible management of resources, the adoption of renewable energy sources, and the implementation of innovative practices, we aspire to be at the forefront of environmental conservation and sustainability in our region.

We recognize that the challenges we face cannot be addressed in isolation. Therefore, our policy emphasizes collaboration and partnerships with local communities, government agencies, and environmental organizations. By working together, we can amplify our impact and effect for a meaningful change that extends beyond the boundaries of our campus.

## **Aim and Objectives**

The aim of the Policy on Environment, and Energy at Mukand Lal National College is to establish a sustainable and environmentally responsible campus that promotes the efficient use of resources and the adoption of clean energy practices. This policy aims to foster a culture of environmental stewardship among students, faculty, staff, and other college stakeholders.

1. To develop an understanding of the significance of the environment and its critical problem areas.
2. To educate all the college students, community and other stakeholders about the effective methods of raising public awareness about environmental issues.
3. To actively protect and conserve ecological system and resources both within and beyond the college campus and uphold the values and virtues of Mother Earth.
4. To collaborate with the local community in enhancing environmental protection practices and promoting energy conservation strategies and objectives.

## **Principles**

We aim to create a campus environment that promotes responsible environmental practices, resource conservation, and sustainability. This Policy on Environment and Energy serves as a guide to inform and inspire various stakeholders to make informed choices and actively contribute to the preservation and protection of our environment.

The Policy on Environment and Energy is based on the following principles:

- 1. Sustainable Resource Management:** We are committed to practicing sustainable resource management to minimize environmental impact. We should promote the responsible use of resources such as water and energy.
- 2. Conservation and Efficiency:** We prioritize conservation and efficiency in our environmental practices. We strive to minimize energy and water waste by implementing energy-efficient technologies, promoting responsible consumption behaviours, and adopting conservation measures across campus.
- 3. Renewable and Clean Energy:** We aim to shift towards renewable and clean energy sources. We should encourage the use of renewable energy technologies such as solar and wind power, reducing our reliance on fossil fuels and contributing to the reduction of greenhouse gas emissions.

**4. Water Stewardship:** We recognize the importance of water as a precious resource and advocate for responsible water usage. We should promote water conservation through the implementation of water-saving fixtures, rainwater harvesting, and water recycling initiatives. We strive to raise awareness among our community about the importance of water conservation and encourage responsible water practices.

**5. Waste Management:** We are committed to effective waste management practices. We should promote recycling, reusing, composting, and proper waste disposal techniques to minimize the amount of waste sent to landfills. We encourage and create awareness for waste segregation and recycling.

**6. Environmental Education and Engagement:** We believe in the power of education and engagement to drive positive change. We should emphasize the importance of environmental education and awareness among our students, faculty, staff, and the wider community. We integrate environmental topics into the curriculum, organize awareness campaigns, and foster environmental clubs and initiatives to engage and empower individuals to become environmentally responsible citizens.

**7. Continuous Improvement and Innovation:** We are dedicated to continuously improving our environmental practices and seeking innovative solutions. We should encourage ongoing evaluation, monitoring, and benchmarking of our resource usage and environmental practices. We strive to implement new technology, best practices, and strategies that contribute to greater sustainability.

**8. Compliance and Collaboration:** We are committed to complying with all relevant environmental regulations, laws, and standards. We foster collaboration with government agencies, local communities, and other stakeholders to ensure collective efforts in addressing environmental challenges and achieving sustainable outcomes.

## **Policies at a Glance**

### **• Environment**

- Waste Management and Zero Waste
- Pollution-Free Campus
- Energy Efficient Campus
- Efficient Water Management
- Clean and Green Campus (Landscaping and Plantation)
- Human health and safety management
- Single use plastic- free campus
- Periodical Environment Audit

- **Energy**

- Solar Power Station
- Periodical Energy Audit
- Energy-saving smart appliances
- Inculcating Energy Conservation Habits
- Utilizing Daylight and Efficient Lighting

### **Environmental Conservation Practices:**

The College strives to create a sustainable and environmentally conscious campus, reducing the use of single-use plastics and promoting the adoption of eco-friendly alternatives by adopting the below-given practices:

#### **1. Waste Management and Zero Waste Campus:**

- Adopt the principles of the 3Rs (Reduce, Reuse, and Recycle) to manage waste at the source, minimizing the amount of waste sent to landfills.
- Implement proper maintenance and regular monitoring of the STP to ensure its optimal functioning.
- Select printers and copiers capable of making double-sided copies as the default mode.
- Encourage efficient use of materials, favouring recycled or reusable, sustainably harvested, non-toxic, biodegradable, and energy-efficient materials.
- Develop infrastructure that facilitates the sharing and optimum use of equipment and reusable materials through collaboration among departments.
- Ban the use of disposable items and crockery in functions and the canteen, promoting the use of biodegradable and eco-friendly products.
- Install colour-coded dustbins and provide clear instructions for waste segregation.
- Conduct awareness drives by different members of the different clubs of the college such as Mukand Eco-Club etc.

- Convert garden waste into compost and vermicompost.
- Organize workshops to teach students how to up cycle waste into usable items.
- Use organic and eco-friendly cleaners, pesticides, and fertilizers.
- Collaborate with e-waste recycling companies for the proper recycling of electronic waste.
- Conduct Green Audits to assess and improve environmental conservation practices.

## ***2. Pollution-Free Campus:***

- Maintain a tobacco-free campus by displaying signboards and promoting awareness.
- Assist students and staff in obtaining bus passes to promote public transportation.
- Use environment-friendly cleaning products.
- Display "Silence Zone" posters in the library and corridors.
- Conduct workshops and trainings to reduce the college's carbon footprint.

## ***3. Energy Efficient Campus:***

- Prioritize use of renewable energy resources and energy efficient appliances.
- Promote energy conservation through awareness campaigns and reminders.
- Minimize the use of DG sets.
- Incorporate environment-responsible approaches in new construction.
- Conduct energy audits to identify areas for energy-saving improvements.

## ***4. Efficient Water Management Campus:***

- Installed of more rainwater harvesting systems to capture and utilize rainwater effectively.
- Use water-efficient fixtures/taps.
- Ensure immediate repair of any water leakage.
- Install water meters at various points to monitor water usage.



- Promote awareness of water conservation among students and staff.

#### ***5. Green Campus (Landscaping and Plantation):***

- Regularly organize plantation drives within the college premises and outside in collaboration with local authorities and community organizations.
- Enhance habitat by installing nests and bird feeders to promote biodiversity conservation.

#### ***6. Human Health and Safety Management:***

- Adopt group insurance policies for staff and students to provide financial security and support in case of medical emergencies.
- Create awareness about medical and life insurance policies among staff and students.
- Conduct periodic health check-ups and organize awareness campaigns on health issues.
- Install sanitary pad vending machines in the college to promote menstrual hygiene.
- Organize yoga and meditation camps to promote physical and mental well.

#### ***7. Single- use plastic free campus:***

- MLN College has established a policy that strictly prohibits the use of single-use plastics on campus.
- Regular awareness campaigns are conducted to educate students, staff and visitors about the harmful impacts of single-use plastics on the environment and the importance of adopting sustainable alternatives.

#### ***8. Periodical Environment Audit:***

- The college will conduct regular environment audits to assess and cover all environmental aspects relevant to the college, including waste management, energy consumption, water usage, pollution control and biodiversity conservation and to identify areas for improvement as well as implementing effective conservation measures.

- Monitor to assess the college's environmental impact, identify areas of non-compliance, and propose measures to enhance sustainability and reduce its ecological footprint.

### **Energy Conservation Practices:**

The College aims to reduce energy consumption, minimize environmental impact, and create a sustainable campus that promotes energy efficiency and conservation by implementing energy conservation practices as given below:

#### **1. Solar Power Station:**

- The college will work on the future scope of solar power plants to increase their capacity.
- Regular maintenance and cleaning of the solar panels are conducted to ensure maximum efficiency and prevent power loss due to dirt, bird droppings, garbage, short-circuits, wire rusts, etc.

#### **2. Periodical Energy Audit:**

- The college will conduct regular energy audits to assess energy consumption patterns and identify areas for improvement.
- Monitor energy usage and implement effective energy conservation measures.

#### **3. Energy- saving smart appliances:**

- The College is committed to replace traditional tube lights with energy efficient appliances such as LED replacing old appliances when reach the end of their lifespan.

#### **4. Inculcating Energy Conservation Habits:**

- Aware the students and staff to adopt energy-saving practices, such as turning off lights, appliances, and electronics when not in use.
- Awareness campaigns are conducted to educate the campus community about simple yet effective measures to reduce electricity consumption.

### ***5. Utilizing Daylight and Efficient Lighting:***

- The college encourages the use of natural daylight by minimizing the use of artificial lighting. Decorative lighting is avoided, and LED or compact fluorescent bulbs are used throughout the campus to maximize energy efficiency.

### **Execution of Policy Implementation**

The execution of policy implementation for the conservation practices at MLN College, Yamuna Nagar involves a systematic and coordinated approach to ensure effective implementation of the policies. Here is an outline of the steps involved:

- The college has constituted the committee on Energy, Green and Environmental Audit.
- The college administration and management communicate the conservation policies to all staff members, faculty and students.
- The policy document is distributed to all stakeholders and made accessible through various channels, such as email, notice boards, college website and student portals.
- Training sessions and workshops are organized to educate the staff members, faculty, and students wherever required about the conservation practices outlined in the policy.
- Regular monitoring and evaluation mechanisms by the Principal or concerned college committee are established to track the progress and effectiveness of the policy implementation.
- Key performance indicators (KPIs) are defined to measure the impact of conservation practices, such as reduction in water consumption, waste generation, or energy usage.
- Active involvement and engagement of all stakeholders, including staff members, faculty, students, and the wider community, is crucial for successful policy implementation.

- Collaboration with local authorities, environmental organizations, and other educational institutions is sought to share best practices, resources, and experiences in the field of environment conservation.
- The college recognizes and rewards individuals or groups who actively contribute to the successful implementation of conservation practices.

*Ritu Kumar*  
Principal  
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Yamuna Nagar