13.2.1 Low carbon energy tracking

Women University of Azad Jammu & Kashmir (WUAJK), Bagh, remains committed to promoting energy efficiency, reducing unnecessary energy consumption, and advancing sustainable campus development. During 2025, the University continued to emphasize responsible energy use through energy-conscious practices, efficient use of campus infrastructure, environmental awareness, and the promotion of greener surroundings. These efforts support the University's broader commitment to reducing its environmental footprint and fostering a culture of sustainability among students, faculty, and administrative staff.

1. Maximizing Natural Daylight

The University promotes the effective use of natural daylight in classrooms, laboratories, offices, and other academic spaces wherever building design and available lighting conditions permit. The use of daylight helps reduce dependence on artificial lighting during daytime hours and encourages more energy-conscious use of campus facilities. Energy-efficient lighting practices further support the University's efforts to minimize avoidable electricity consumption. (Annex I)

2. Natural Ventilation and Green Campus Development

Natural ventilation: The use of windows and available ventilation openings in academic and administrative buildings helps facilitate airflow and may reduce reliance on electric fans when weather conditions are suitable. (Annex I)

Tree plantation and shaded areas: The University continues to recognize the importance of trees and green spaces in improving the campus environment. Plantation and campus greening activities contribute to shade, biodiversity, and environmental awareness while supporting long-term climate resilience. (Annex II)

Climate-responsive campus management: The University's green surroundings and responsible use of natural ventilation provide opportunities to improve indoor comfort and reduce unnecessary energy use. (Annex I)

3. Efficient Use of UPS and Backup Power Systems

The University emphasizes the responsible use of uninterruptible power supply (UPS) and backup power systems to support essential academic, administrative, and information technology operations.

- **Load management:** Where applicable, backup power is prioritized for essential equipment and critical operations.

- **Energy efficiency:** Regular maintenance and appropriate equipment selection can help minimize avoidable energy losses.
- **Responsible operation:** Switching off non-essential equipment and avoiding unnecessary standby loads support more efficient electricity use. (Annex III)

4. Energy Conservation and Awareness Initiatives

WUAJK promotes energy conservation through responsible electricity-use practices across academic and administrative facilities. Relevant measures include encouraging students and staff to switch off unnecessary lights, fans, computers, and other electrical equipment when not in use. Environmental awareness messages, student participation, and routine monitoring of campus facilities can reinforce energy-saving behaviour. (Annex IV)

5. Rainwater Harvesting and Water-Energy Conservation

Rainwater harvesting and responsible water management can support campus sustainability by reducing dependence on conventional water supplies where suitable systems are available. Since water pumping requires energy, efficient water storage, distribution, and pumping practices may also help reduce electricity consumption. (Annex V)

Conclusion

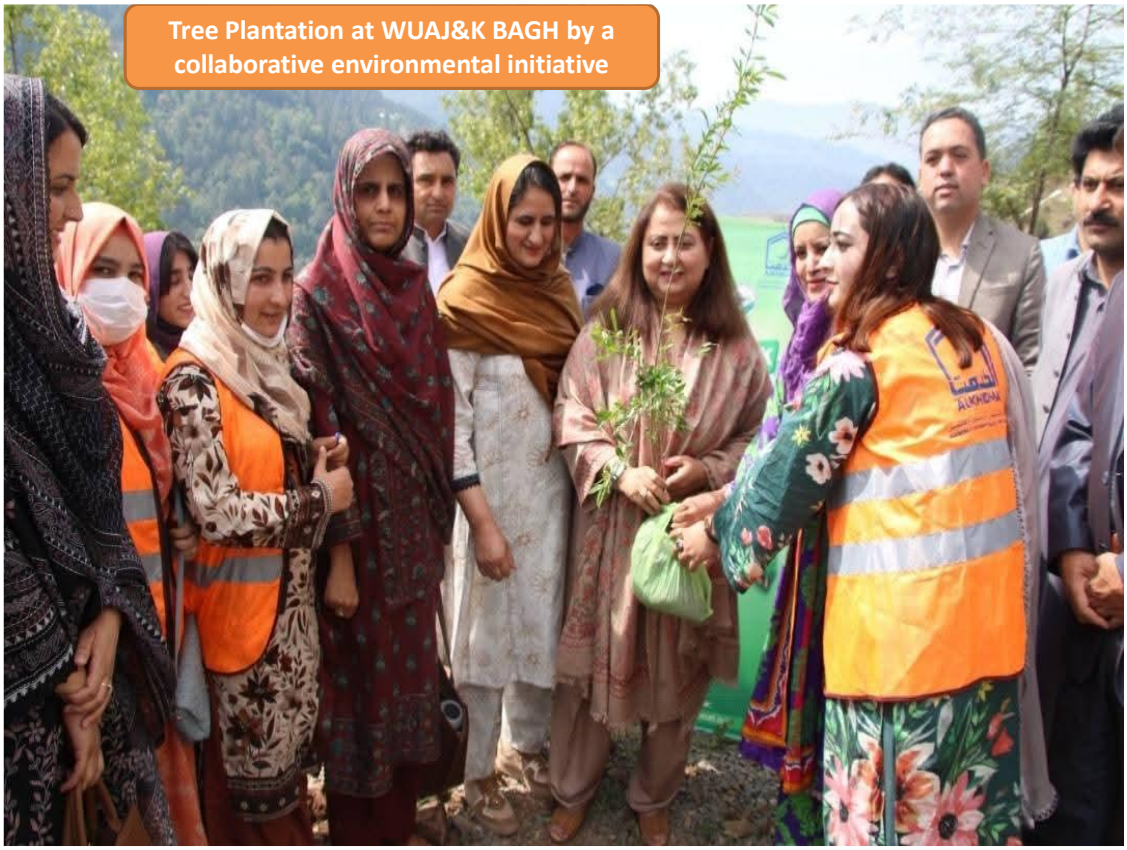
During 2025, WUAJK continued to prioritize sustainable campus management, energy-conscious practices, environmental awareness, and the responsible use of available resources. Strengthening energy monitoring, improving operational efficiency, promoting natural lighting and ventilation, and maintaining green spaces can support the University's long-term transition towards lower-carbon campus operations.

Evidence

Annex I



Annex II


Tree Plantation at WUAJ&K BAGH by a collaborative environmental initiative

WOMEN UNIVERSITY
OF AZAD JAMMU & KASHMIR, BAGH. Website: www.wuajk.edu.pk

RESPONSIBLE CONSUMPTION AND PRODUCTION POLICY

1. Introduction

Sustainable production processes are essential for growth and development at any level. Therefore, the Women University of Azad Jammu and Kashmir (WUAJ&K) Bagh is committed to advancing resource and energy efficiency to ensure sustainable consumption and production patterns.

2. Scope

This policy applies to all consumption and production-related matters/ activities within the WUAJ&K Bagh, including all external members involved, vendors, etc.

3. Policy Guidelines

The following guidelines are issued for all the relevant departments:

a) Ensure that the water does not become polluted
b) Develop partnerships with local, provincial, and national governments, NGOs, and corporations to improve the management of water resources
c) Promote the safe use of water by launching awareness campaigns and training programs
d) Research on the preservation of water and the quality of water
e) Ensure that faculty, staff, and students are involved in water conservation activities (on and off campus) and the broader community
f) Reduce the use of water-intensive lawns
g) Calculate the amount of waste that is disposed of in landfills and recycled
h) Promote best practices and technologies for waste management
i) Energy efficiency can be achieved by utilizing accessible and innovative resources
j) Support the development of renewable resources and technologies, such as biofuels (biogas), solar, etc.,

Assistant Registra... Bagh

Dr. Anees

k) Ensure the sustainability, smartness, and environmental sustainability of the University's buildings

l) The installation of treatment plants

m) Ensure that all members of the WUAJ&K community have access to clean, safe, and freshwater, as well as daily visitors, guests, etc.,

4. **Report on Violation**

Every WUAJK community member has an implicit duty to report any incident that suggests a possible violation of WUAJK policy to the appropriate authorities in good faith and without fear.

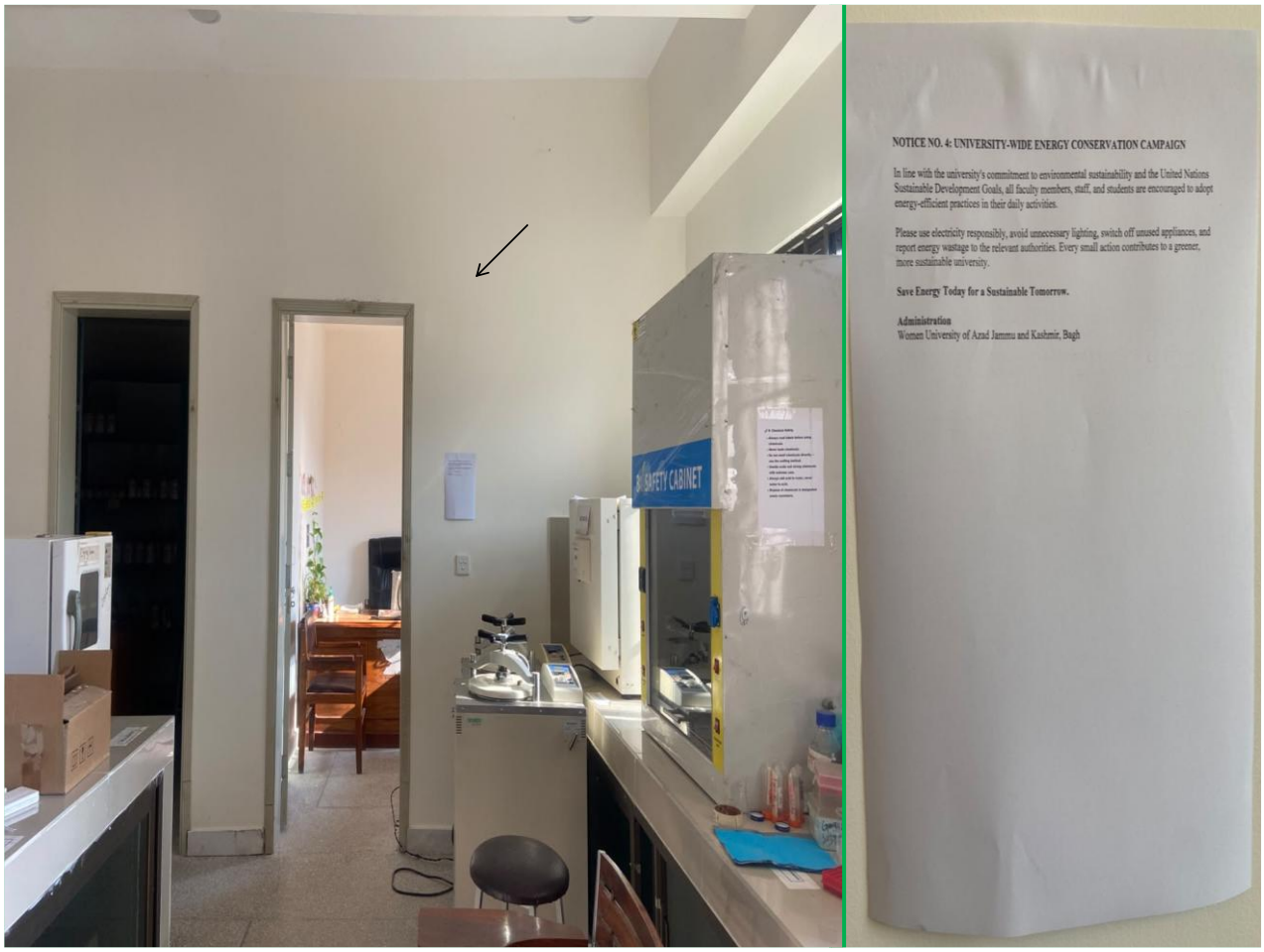
5. **Revision of Policy**

Revisions to these policies will be made as and when necessary.

Assistant Registrar
Academics
Women University AJ&K Bagh
Verified

Dr. Anees

Annex IV


SAFETY CABINET
NOTICE NO. 4: UNIVERSITY-WIDE ENERGY CONSERVATION CAMPAIGN
In line with the university's commitment to environmental sustainability and the United Nations Sustainable Development Goals, all faculty members, staff, and students are encouraged to adopt energy-efficient practices in their daily activities.
Please use electricity responsibly, avoid unnecessary lighting, switch off unused appliances, and report energy wastage to the relevant authorities. Every small action contributes to a greener, more sustainable university.
Save Energy Today for a Sustainable Tomorrow.
Administration
Women University of Azad Jammu and Kashmir, Bagh

Annex V

Rainwater Harvesting

