



Dr. Rafiq Zakaria College for Women

Navkhanda, Jubilee Park, Aurangabad.



Criteria VII

7.1.2 Green Policy

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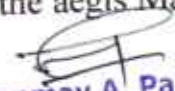



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Policy for Energy Conservation and Environment Consciousness

Introduction: Dr. Rafiq Zakaria a renowned Islamic Scholar of International Repute, a name to conjure within the intellectual circles of India and abroad the then minister in the State Cabinet, founded the Maulana Azad College of Arts Science & Commerce in the historic campus of Rauza Baugh; Aurangabad in 1963. The year was milestone in the history of Higher Education in the backward Region of Marathwada. Dr. Rafiq Zakaria being the founder president of the Maulana Azad Education Society has been particularly responsible for the phenomenal growth of the Maulana Azad College campus as well as Marathwada Region by introducing quite new courses in Higher Education, which are a departure from the traditional ones. His vision has borne rich fruits. The year 1968 was yet another landmark in the educational environment of Aurangabad City. It witnessed the establishment of a Ladies Section of the Maulana Azad College, in a rental building in the City Chowk area with 35 Students on its rolls. The need for a separate Ladies Section was keenly felt by a section of Society, and people were not ready to send girls to Azad college as it was far away from the main city. Keeping this in view the genuine demand of the establishment of a separate section for women in Arts faculty was justified. In 1975 the Ladies section was housed in a beautiful surrounding of the Nizam's Palace called Navkhanda Palace with strength of 100 students. It is free from noise pollution and ideal for a women college. In 1990 Ladies Section of Maulana Azad College was bifurcated and an independent college named Aurangabad College for Women came into being under the aegis Maulana Azad Education Society. Later after the sad demise of Dr.


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Rafiq Zakaria Sahab the college was renamed after its founder as Dr. Rafiq Zakaria College For Women.

It is pertinent to highlight the academic programmers of the college particularly suited to Women students. It was felt that the Arts faculty alone would not do. Therefore, Science Stream was introduced at +2 level and 3+level. Today the most suitable subjects for women students are available. Home Science was introduced at B.A. level of 1993. The B.Sc. course has quite new subjects. Apart from the traditional subjects the subjects like Analytical Chemistry and Computer Science at B.Sc. level were also introduced. BCS programme is also functioning successfully in the campus. In 2005 M.Sc. Chemistry was introduced and later M.A. Urdu and M.A. English were also introduced. This year we got 3 Research Centers from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, in English, Zoology, Botany, Research Centers in Urdu and Chemistry were functioning since last two years. Dr. Yashwantrao Chavan Open University, Nasik, Study Centre has also been sanctioned to our college. Under Kaushalya Vikas Kendra Scheme Paper Bag Making has also been started for needy girls. All results are also excellent in Arts, Science and Computer Science discipline. Our students have also excelled in sports activities bringing Gold and Bronze medals in various sports. We believe that educating a girl is educating a family. Women being backbone of our society need to be educated to accelerate that pace of modernization and socio-economic growth to enable us eradicate superstitions, ignorance, exploitation and create scientific temper. We proudly mention that our sincere efforts and commitment to profession yielded encouraging results and paved the way to achieve highest pedestals in the sphere of academics in the years to come.


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ENVIRONMENTAL POLICY OF THE COLLEGE:

Dr. Rafiq Zakaria College for Women, Navkhanda, Aurangabad is a quality-conscious college. It protects its own environment by maintaining it green with the help of about 80 large and many smaller plants in campus. Our staff and students always try to keep the campus pollution free in all possible ways.

The management, administration and the students of the college look after the environment carefully. Every year, during rainy season, we perform tree-plantation and carefully look after the planted trees. As a result, now we have about 80 trees in our campus. Besides, we are having eco-friendly units like rain-water-harvesting units, etc.

We have our own environmental policy that includes-

- To comply with all requisite environmental legislations and government guidelines, wherever applicable.
- To ensure that there is optimum utilization of resources and waste generation is minimized.
- To integrate environmental concerns in decision-making, e.g. purchasing policy, teaching-learning process, communications, etc.
- To implement an environment management system.
- To strive towards continual reduction in ecological footprint of the college as it grows.
- Education and training of students, staff and society in environmental issues and the environmental effects of their activities.
- **Monitoring progress and reviewing environmental performance** against targets and objectives on a regular basis.
- To maintain the campus pollution-free by all possible ways like maximal use of green-energy like solar energy, wind-mill energy, natural light, etc.

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CONSTITUTION FOR GREEN AUDIT:

The Green Audit Committee will act as per the environmental policy and shoulder the responsibility for maintaining and protecting the environment in and around the college with the help of students, staff and society. It will work in various fields like-

- ❖ Waste Management
- ❖ Soil Management
- ❖ Water management
- ❖ E-waste management
- ❖ Bio-diversity and threatened species preservations
- ❖ Energy use and conservation
- ❖ Eco-friendly techniques
- ❖ Noise Pollution
- ❖ Air Pollution
- ❖ Paper less & Plastic less operating procedure
- ❖ Green area management and clean campus
- ❖ Fire safety

Conducting systematic study for carbon emission – Collecting statistical data.

❖ Methodology: -

- ❖ 1. Girth and height of plants was calculated by using meter scale.
- ❖ 2. Generally trees having 72.5% average dry matter and 27.5% moisture content hence a fresh weight of plants was calculated by using the formula as $W=0.25D^2H$ (Where, D = diameter / girth of plant and H = height of plant)
- ❖ 3. Dry weight of plants was calculated using the formula as dry weight = wet weight X 72.5%.


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- ❖ 4. Total tree volume contains 50% average carbon-content. Thus, amount of the carbon in trees was measured by multiplying dry weight by 50%.
- ❖ 5. CO₂ sequestered by trees was calculated by multiplying weight of carbon in trees by ratio of C in CO₂ i.e. 3.66.

Plantation programme throughout the year:

- ❖ College arranges plantation programme through NSS unit, Students & staff not only in college campus but in various villages of Aurangabad Tehsil like Daulatabad, Rasoolpura, Googapir, Kazipur etc. which are adopted by our college for the sake of environment awareness. College has planted and maintained large number of plants through NSS unit.

Establishment of oxygen park, plantation of oxyrich plants

- ❖ Our college has a beautiful green campus. We have skillfully planted the plants so as to have oxygen and make the campus fresh full of oxygen. The greenery has remained useful in developing Oxygen Park in our college.
- ❖ One 'Oxygen Park' has been established in the Botanical garden of college in the year 2017-18. It is established in the area of 1000 sq ft. in which holy basil (Tulsi) has been planted.
- ❖ College is also maintaining about 100 oxy-rich potted plants like *Croton*, *Runner Palm*, *Aloe vera*, *Diphenbekia*, *Sensevieria*, *Costus* (Insulin plant), *Chlorophytum*, etc.

Waste management:

Chemicals and e-waste

College has a facility of ETP plant for effluent from Chemistry, Botany, Zoology, department.

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e-waste –

- E-Waste materials are kept in a separate store-room with a dead stock register.
- All the departments are instructed to submit the information of the damaged or outdated computers, CDs and other e-equipment.
- This e-waste equipments sent to the college central store.
- Sorting of e-waste is done by central store.
- These e-equipment are sold out by means of a tendering process.

Soil /Water Pollution Management

- Implementation of water management and recycling program with full efficiency.
- Monitoring system for consumption of water can be installed at every node.
- Rain water harvesting mechanism has to be implemented at large scale.
- Establishment of separate Plastic Dumping yard in college.

Waste management

- Priority will be given to eco-friendly brands followed by those that are recyclable or made from recycled material for purchases.
- Use of paper cups will be discouraged and people will be motivated to use their own mugs/cups instead of paper cups.
- On-campus use of plastic bags will be discouraged.
- Paper usage will be minimized in various ways. Double-sided printing option can be used at all terminals with access to printers.
- Communication will be encouraged through social media like whatsapp to minimize the paper use.
- Waste segregation will be carried out strictly; organic waste will be composted in-house (biological treatment has proposed for biodegradable waste) in future and the manure will be used for the gardens in the campus.
- E-waste management program can be implemented more effectively by various practices like e-paper office, use of ICT, single window system, etc.
- Dust-bins will be kept in each class-room.

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