



**SOPHIA GIRLS' COLLEGE (AUTONOMOUS),
AJMER**

RE-ACCREDITED 'A+' GRADE BY NAAC (UGC)

**AFFILIATED TO MAHARSHI DAYANAND SARASWATI
UNIVERSITY, AJMER**

POLICY ON ENVIRONMENT AND ENERGY USAGE



Policy Document on Environment and Energy Usage

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Policy Document on Environment and Energy Usage

Preamble

The Article 51-A of environment policies of the Government of India states that “It shall be the duty of every citizen of India to protect and improve the natural environment including forests, lakes, rivers and wildlife and to have compassion for living creatures.”

In consonance with this Sophia Girls’ College (Autonomous), Ajmer aspires to achieve the goal of Sustainable Environment, by taking little steps leading to major progress. The purpose of our teaching is to blend education and environment friendly practices which gradually become an integral part of the existence for all who are associated with this Institution. The Environment and Energy Policy of our College encompasses various objectives and practices which will contribute to reduce the carbon footprint and make the Campus ‘Green, Clean and Sustainable.’ Existence of all life on Earth is coupled with sustainable environment and at Sophia Girls’ College we leave no stone unturned in instilling this notion among our students.

I. Objectives

- To protect and nurture the flora and fauna on the Campus
- To maintain a green Campus by regularly conducting ‘Green Audit’
- To spread awareness regarding environmental issues, conservation of energy, recycling of resources, tree plantation and the College’s Environmental Policy.
- Monitoring environmental parameters viz. air, water and soil
- To implement critical checks on pollution level and plastic (single-use) free status of the Campus

II. Practices

Following are the endeavours of Sophia Girls' College (Autonomous), Ajmer towards responsible management of the environment and its resources:

- i. Green and Clean campus
- ii. Energy Conservation
- iii. Water Management and Conservation
- iv. Monitoring of Air, Water and Soil quality parameters
- v. Plastic Free Campus
- vi. Regulations on entry and parking of automobiles
- vii. Annual Pollution Check Camp of vehicles on the Campus

GREEN AND CLEAN CAMPUS:

Sophia Girls' College (Autonomous), Ajmer has a beautiful green Campus. We have consciously planted a variety of trees including Neem, Cassia, Buddha tree, Ficus and herbs like Tulsi, Asparagus, Lemon Grass etc., to make the Campus oxygen rich. The greenery has turned our College into an Oxygen Park. Following shall be the mandates towards maintaining the Green and Clean Campus:

- Green landscaping of the Campus covering nearly 1/3rd of the area.
- Annual tree plantation drives to augment the flora of the Campus.
- Conservation of the rich biodiversity of the Campus which includes trees, ornamental plants, medicinal plants and succulents.
- Restricted entry in the gardens.
- Felicitation of the Guests in the College by presenting saplings.
- Awareness programs for environment protection and conservation.
- Periodic soil testing to check the quality of the soil.

ENERGY CONSERVATION:

Sophia Girls' College (Autonomous), Ajmer believes in conserving by using less energy and embracing alternative sources of energy. The College shall meet its cent percent energy requirement by solar energy. Following shall be the approaches for energy conservation in the Campus:

- Use of renewable energy resources like solar cell, solar water heater and solar lights.
- Use of Biogas.
- Switching-off the lights and fans when not in use.
- Minimum use of AC.
- Screen time saver for minimizing energy consumption.
- Maximum use of natural light.
- Well ventilated classrooms.
- More usage of LED lights.
- Purchasing star rated appliances for energy conservation.

WATER MANAGEMENT AND CONSERVATION:

Sophia Girls' College (Autonomous), Ajmer shall adopt a multipronged approach for the use and conservation of water resources on the Campus.

- To save every single drop of water the college has a rain water harvesting tank with a capacity of one lakh cubic litres.
- The remaining of the rooftop water shall be directed to bore-wells in order to replenish them.
- Being concerned towards the health and safety of our staff and students, we shall provide purified (RO aqua-guard) drinking water facilities on the Campus.

- Regular water testing shall be done to check the quality parameters of water.
- Awareness programs shall be organized by various Clubs and Fora on water conservation.
- Regular checks shall be done for leak detection and repair of leaks.
- Periodic cleaning of water storage bodies viz. cement tanks, sintex tanks, etc.
- Landscaping with drought tolerant plants.

MONITORING OF AIR, WATER AND SOIL QUALITY PARAMETERS:

Air, water and soil are the three important abiotic components of the environment that interact and affect the survival of living components. Sophia Girls' College (Autonomous), Ajmer is conscious of its accountability towards the protection of environment, therefore it shall make sure that regular testing of various parameters of air, water and soil is done to monitor the quality of these factors. The policy shall entail the following points:

- Periodic checking of air quality parameters including PM, Oxides of Sulphur and Nitrogen etc.
- Regular testing of water quality standards comprising pH, turbidity, fluoride etc.
- Proper maintenance of water storage facilities on the Campus.
- Testing of soil quality indicators viz. pH, conductivity, organic matter, phosphate and potash at regular intervals.

Testing of all the above factors is done by Government Authorities and the results of previous tests were all within the permissible limits of the standard values.

PLASTIC-FREE CAMPUS:

As an Institution, which is sensitive and caring towards safeguarding nature and in conformity with the Indian Government's notification on Ban on single-use plastic, the administration of Sophia Girls' College (Autonomous), Ajmer has banned the use of single-use plastic in the College premises. The College shall be dedicated to frame a plastic free campus and create environmental consciousness amongst the students and staff members regarding the same by display boards and other awareness programmes.

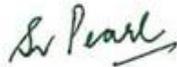
- The ban shall be applicable on plastic items like- plastic carry bags, cups, plates, forks, spoons, bottles, straws, etc., which are thrown after single use.
- It will be mandatory for all the students and employees of the institution to avoid the use of non-biodegradable plastic items in the premises.
- All will be encouraged to use environment- friendly substitutes like cloth bags, paper bag, steel lunch boxes, etc.
- The canteen authority shall also abide by the no plastic policy.

REGULATIONS ON ENTRY AND PARKING OF AUTOMOBILES:

Automobiles are one of the major contributors to air pollution, thereby Sophia Girls' College (Autonomous), Ajmer shall adopt a rational and efficacious policy on parking and entry of vehicles in the Campus.

- The College shall provide adequate number of parking lots for staff and students. All are instructed to park their vehicles at the appropriate parking lots.
- It will be mandatory for both staff and students to wear their identity cards for identification.

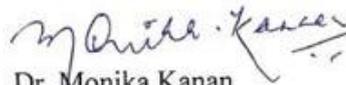
- Wearing helmet is compulsory for those coming on two wheelers.
- Similarly, those who commute via four wheelers need to fasten their seat belts.
- PUC check is mandatory for all the vehicles.
- Entry of vehicles is restricted to the parking area.
- Use of mobiles while driving is prohibited.
- Limit for shared pooling on two-wheeler is maximum two girls.
- Staff and students are encouraged to use bicycle, electric powered vehicles and shared pooling.
- Only registered vehicles are allowed inside the Campus.



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