



Mula Education Society's

**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

Tal. Newasa, Dist- Ahmednagar – 414105



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Affiliated to Savitribai Phule Pune University, Pune (I.D.PU/AN/ASC/031/1989)

NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code – C-42096

## Supporting Documents for Metric No. 7.1.3

**7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words)**

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

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**Document No.01:**

Policy documents of the institution

# Policy No. 01: Environment Policy Statement

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## ENVIRONMENT POLICY STATEMENT

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**Revised – 2017**

(As subject no. 6<sup>th</sup> approved in the second CDC meeting held on 11/08/2017)



*Mula Education Society's*

**Arts, Commerce and Science College, Sonai**

Sonai-Rahuri Road, Sonai, Tal. Newasa, Dist. Ahmednagar, Maharashtra.



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## **Arts, Commerce and Science College, Sonai**

Tal. Newasa, Dist. Ahmednagar, Maharashtra

### **ENVIRONMENT POLICY STATEMENT**

**Revised – 2017**

(As subject no. 6<sup>th</sup> approved in the second CDC meeting held on 11/08/2017)

#### **I. Preamble**

The Mula Education Society's (MES) Arts, Commerce and Science (ACS) College is very keen to protect environment and any of the activities practiced in the institution are framed not to cause any harm to the environment. Specific action would be taken to prevent the harm. The primary goal of environmental policy is to protect natural systems. It is, therefore, a core value of the institute to preserve and protect the environment. As we advance, scientific understanding regarding the fundamental interrelationship between human health and the environment, we will proactively demonstrate our commitment to environmental stewardship and sustainable development.

Through implementation of this policy, MES's ACS College, will serve as a leader by advancing environmental conservation commitment within our own programs and facilities, and in the broader community.

#### **II. Aims and Objectives of the Policy:**

- i. Develop and maintain environmental management programs with objectives and targets to minimize adverse environmental impacts.
- ii. Comply with all applicable environmental, health, and safety laws, regulations, and other requirements.
- iii. Implement effective pollution prevention and waste minimization programs to reduce, reuse, and recycle materials.
- iv. Ensure that energy and water are used responsibly and conserved through innovative practices and procedures.
- v. Provide all institute staff with the knowledge and tools needed to meet the goals of this policy and to actively participate in efforts to prevent negative environmental impacts.
- vi. Measure progress toward our environmental goals.

### **III. The Policy**

Accordingly, it is resolved that the MES's ACS College will:

**1. Provide facilities for alternate sources of energy and energy conservation measures like:**

- Solar energy
- Biogas plant
- Wheeling to the Grid
- Sensor-based energy conservation
- Use of LED bulbs/ power efficient equipment etc.

**2. Create facilities for the management of the following types of degradable and non-degradable wastes:**

- Solid waste management
- Liquid waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management.

**3. Provide Water Management and Water conservation facilities like:**

- Rain water harvesting
- Bore well /Open well recharge
- Construction of tanks and bunds
- Waste water recycling
- Maintenance of water bodies and distribution system in the campus

**4. Take Green campus initiatives like:**

- Restricted entry of automobiles
- Use of Bicycles/ Battery powered vehicles
- Pedestrian Friendly pathways
- Ban on use of Plastic
- landscaping with trees and plants

**5. Regularly conduct quality audits on environment and energy, which include:**

- Green audit
- Energy audit
- Environment audit
- Clean and green campus recognitions/awards
- Beyond the campus environmental promotional activities

**6. Implement Carbon Management Strategy, which include:**

- To implement a carbon management strategy, including the efficient use of energy.

- To reduce greenhouse gas emissions in the college campus.
- To ensure the uptake of low carbon technologies in buildings and equipment.


#### 7. Provide Awareness and Training:

- To communicate internally and externally, the college's environmental objectives and performance.
- To raise awareness of staff and students about the college's environmental impact, activities and performance and good practices.
- To provide appropriate environmental educational programmes for staff and students.
- To encourage and facilitate feedback and suggestions on ensuring good practices.
- Evaluation of Environmental Policy.
- To undertake a regular review of environmental management procedures and activities to ensure suitability, adequacy and effectiveness.

#### IV. Responsibilities:

- The main responsibility for implementation of this policy lies with the Students, Teaching and non-teaching staff and Principal of College.
- The Heads of departments are responsible for ensuring compliance with Environment Policy within their area of control.
- The committee will actively monitor the performance of Colleges and Divisions in the implementation of the aims and objectives of this Policy in the activities under their control.
- Whilst the college accepts the main responsibility for implementation of this policy, individuals have a very important role in co-operating with those responsible for safeguarding the environment. Individuals are required to abide by rules and requirements made under the authority of this policy.



  
**Joint Secretary**  
Mula Education Society, Sonai  
Tal. Newasa, Dist. Ahmednagar.

  
**PRINCIPAL**  
Mula Education Society's  
Arts, Commerce & Science College,  
Sonai, Tal. Newasa Dist. A' Nagar-414105

**Policy No. 02: Policy on Systems and Procedures for Maintaining Physical,  
Academic and Support Facilities**

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**POLICY ON SYSTEMS AND PROCEDURES FOR  
MAINTAINING PHYSICAL, ACADEMIC AND  
SUPPORT FACILITIES**

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**Revised - 2017**

(As subject no. 6<sup>th</sup> approved in the second CDC meeting held on 11/08/2017)



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*Mula Education Society's*  
**Arts, Commerce and Science College, Sonai**  
Tal. Newasa, Dist. Ahmednagar, Maharashtra

## **Policy on Systems and Procedures for Maintaining Physical, Academic and Support Facilities**

**Revised - 2017**

(As subject no. 6<sup>th</sup> approved in the second CDC meeting held on 11/08/2017)

### **1. Preamble:**

The present document, "Policy on Systems and Procedures for Maintaining Physical, Academic and Support facilities" of Arts, Commerce and Science College, Sonai, emphasizes and lays established procedures and practices for maintaining and utilizing physical, academic and support facilities, like laboratory, library, sports complex, computers, classrooms, etc., in the institution

### **2. Definition:**

- a) **Physical Facilities:** The physical facilities available in the college include, an auditorium, a multipurpose hall, Canteen, parking facility, 'Internal Quality Assurance Cell', Public addressing system, electric equipment, toilets, water coolers, fire extinguishers and a Power generator and a Solar system.
- b) **Academic and Support Facilities:** These include, Classrooms, Laboratories, Library, Seminar halls, cabins for heads of departments, Staff room, Sports facility, Girls Hostel, Canteen, Health Centre, Placement cell, Transportation, Playground, Indoor sports facility, Computers, LCD projectors, Audio visual equipment etc.

### **3. Systems available in the Institution for Maintaining Physical Academic and Support Facilities:**

The following well established systems are available for maintaining physical, academic and support facilities.

- i. Budget provisions are made available every year, for repairs and maintenance of old Physical, Academic and Support facilities.

- ii. Budget provision is also available for renovating existing Physical, Academic and Support facilities.
- iii. Departmental requirement for maintenance of old existing facilities is collected every year and approved in the College Development Committee meeting.
- iv. The institution has annual maintenance contract (AMC) for maintaining computers and some specific major equipment in the laboratories.
- v. Common physical facilities and equipment are maintained through outsourcing from local service providers on regular basis.

#### **4. Policy on Procedures for Maintenance of Physical, Academic and Support Facilities:**

##### **a). Physical Facilities:**

- i. Renovation and repairs of existing building, water and public conveniences, are looked after by the civil engineer of the education society.
- ii. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns is done by the Institution.
- iii. Maintenance of water purifiers, electric equipment, reprography machines, CCTV cameras, fire extinguishers, power house, PA systems, etc. is done by outsourcing.

##### **b) Laboratories:**

- i. Procedure for maintenance of laboratory equipment is as per the procedure No. AC/PR/19 of the Academic Process Manual, prepared for ISO 9001:2015.
- ii. An 'Instrument Usage Register' is maintained in the laboratory to record the names of students using the instruments.
- iii. Laboratory staff are trained to maintain the cleanliness of laboratories, maintenance of equipment and safe disposal of hazardous waste chemicals.

##### **c). Library:**

- i. The Library has a 'Library Advisory Committee' which consists of heads of the department and senior faculty members.
- ii. The committee meets once in a year, and discusses budgetary provision for the purchase of new books as per the list suggested by the faculty members handling different subjects and as per the student feedback. Library committee also takes decisions about monitoring library equipment, Verification, writing-off and purchase of books.

## **Document No.02**

Geo tagged photographs and videos of the facilities  
with caption

## 1. Management of the various types of degradable and non-degradable waste



**Waste re-cycling system: Vermicompost**



**Waste re-cycling system: Vermicompost**



**Waste re-cycling system: Vermicompost**



**Waste re-cycling system: Vermicompost**



**Waste re-cycling system: Vermicompost**



**Waste re-cycling system: Vermicompost**



**Waste re-cycling system: Vermicompost**



**Waste re-cycling system: Vermicompost Plant**



#### **Visit of NAAC Peer Team to Waste re-cycling system: Vermicompost**

**The College has a working “Vermicompost” Project established within the college campus run by Department of Zoology. Suitable waste generated in campus is sent for vermicompost. The waste materials that are collected in the campus dumped into the vermicompost unit. This compost is excellent organic manure which is used for the botanical garden of a college campus. It is an initiative to provide training and guidance to students as well as farmers in the vicinity. The organic wastes such as leaves shed from plants and trees on the campus are converted into compost by vermicompost process. The compost produced is used for gardening.**





### Waste Collection

Three separate dustbins provided to collect Non-Degradable, Hazardous and wet Degradable waste.



### Non-Hazardous Waste Collection



### Hazardous Waste Collection



### Liquid waste management

Practical laboratories like Chemistry and Biology have taken measures to ensure that all the chemicals are diluted before discarding in wash basin. Glassware used in the laboratory is washed and rinsed with least quantity of water and placed in the liquid waste container.



### Hazardous Chemicals and Radioactive Waste Management

**Fuming Hoods in Chemistry laboratory are placed to prevent the release of hazardous substances into the general laboratory space.**



### E-waste management



### E-waste management

**E-waste material which is generated like non-functional Computers, Keyboards, Displays and Hard Drives are stored in E-Waste room. Once sufficient quantity is generated then it is handover it to the concerned authority for its proper disposal. The cartridge of printer is refilled outside the college campus which enables the reuse of the toners and reduces the e-waste. UPS batteries are recharged / repaired/ exchanged by the suppliers. The staff uses pen drives to store data instead of files or CDs.Efforts is made to reduce the quantity of e-waste by the optimum use of electronic devices**



### **Use of Stainless Steel Dishes**

**We prefer stainless steel dishes in mess/canteen to avoid paper waste.**

**Document No.03 :**

Any other relevant proof for the selected options

**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
MES'S ARTS, COMMERCE AND SCIENCE COLLEGE,  
SONAI  
TAL-NEWASA, DIST-AHMEDNAGAR  
AND  
GRAMPANCHAYAT SONAI  
Year-2020-21**



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Principal  
M.S. Education Society's  
Arts, Commerce & Science College  
Sonai, Tal. Newasa, Dist. Ahmednagar - 431165

9992 8 OCT 2021

5 OCT 2021



**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
MES'S ARTS, COMMERCE AND SCIENCE COLLEGE,  
SONAI  
TAL-NEWASA, DIST-AHMEDNAGAR  
AND  
GRAMPANCHAYAT SONAI  
Year-2020-21**



MES'S Arts, Commerce and Science College, Sonai and Grampanchayat Sonai has taken an initiative of formulating memorandum of understanding for the purpose of Waste management and disposal

Therefore, the institutes agree to establish the memorandum of understanding (MoU) with terms and conditions.

### **1) AIMS AND OBJECTIVES**

The goal of this co-operation is to inspire the collaborations

- To collect and process waste generated from college and Sonai village
- To manage and recycle collected waste into compost.
- To change the propensity of people towards segregation of waste.
- To habituate the people regarding their hygiene and cleanliness.
- To protect human health and improve quality of life among people living in rural areas.
- To reduce environment pollution and make rural areas clean.

### **2) ACTIVITIES OF COLLABORATION**

The activities involved in the solid waste management have

**Grouped into six functional elements:**

- ◆ On-site handling, storage and processing.
- ◆ Waste generation.
- ◆ Collection.
- ◆ Transfer and transport.
- ◆ Processing and recovery.
  - Disposal

### **3) AUTHORITY –**

The MoU will primarily be governed by the head of the institutions. The head will be authority to represent and express the institutions and decision will be implemented.

#### **4) ROLES AND RESPONSIBILITIES OF THE PARTIES**

- Parties agree to conduct the following activities from the date of signing. Work jointly on the issues related West management.
- Have necessary agreements needed for conducting activities in the institutions.
- Share information with confidentiality as the main clause, which does not harm both the parties.
- Create better working environment and better academic practices through joint volume and work on social responsibilities as well current issues- solving and awareness.
- Conduct activities needed by the organizations together like collection of waste and transport for processing and disposal.

#### **5) FUNDING**

The concerned parties are free to choose the pricing of the program. The parties involved on sharing basis can develop the funds. The mechanism of funding is to be decided and executed by the interacting partners.

#### **6) AGREEMENTS**

In order to inspire the successful completion of this MoU the parties agree to the following terms and condition.

Both party pledges in good faith to go forward with this MoU and subject to the terms and conditions.

- Either party may withdraw at any time from this MoU by transmitting a signed writing to that effect to the other party.
- The parties agree that if it withdraws at any time from this MoU previous student data submitted by will remain with the parties.
- By mutual agreement, the parties may modify the list of intended activities set and to determine practical manner by which the goal purpose and activities of this MoU will be accomplished. However, any modification to any other written part of this Mou must be made in writing and signed by both parties and their designees.
- Nothing of this MoU shall be constructed to authorize or permit any violation of any government.

7) **DURATION AND TERMINATION-**

The memorandum should specify the duration of such an agreement between the parties i.e. the beginning and the ending dates of the memorandum. Also it should provide for the circumstances in which such a memorandum will be terminated.

8) **PRIMARY CONTACTS**

Sr. No.	Name	Designation	Institution	Contact Details
1	Shri Dhananjay Wagh	Sarpanch	Sonai Grampanchayat	Office :02427-231356 Mob: 9860342128
2	Dr. Shankar L. Laware	Principal	Arts, Commerce and Science College, Sonai, Tal- Newasa	Office: 02427-231384 Mob: 9822742384 Email Id- mesacscollge@gmail.com

9) **AUTHORIZED SIGNATURES WITH SEAL**



  
Dr. Shankar Laware  
**Principal**  
Mula Education Society's  
Arts, Commerce & Science College  
Sonai, Tal. Newasa, Dist. A. Nagar



  
Shri Dhananjay Wagh  
**सरपंच**  
ग्रामपंचायत सोनई  
ता. नैवासा, जि. अ. नगर