

Sipna Shikshan Prasarak Mandal, Amravati's  
Arts, Science & Commerce College, Chikhaldara, Distt. Amravati  
Department of Industrial Chemistry  
2023-2024

**Name of the activity: - "Solid, Liquid and E-waste management"**

**Objective:**

- To introduce and aware students to real concerns of environment and its sustainability
- To secure the environment and cut down the threats posed to human health by analyzing the pattern and extent of resource use on the campus.
- To establish a baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requires high cost.
- Composting and proper treatment to waste are the methods adopted by the institute.

**Solid waste management:**

- To reduce waste at institute, students and staff are educated on proper waste management practices through on notice boards, displaying slogan boards in the campus.
- Waste is collected on a daily basis from various sources and is separated as dry and wet waste.
- Dustbins are used for solid waste.
- Daily garbage is collected by housekeeping personnel and handed over to authorized personnel of Municipal Council, Chikhaldara for further processing. All waste water lines from toilets; bathrooms etc. are connected with drainage mains. Waste material like plastic, papers etc. are collected and sold out to scrap vendor from time to time.
- Efforts have taken to produce compost manure from the green solid waste and waste from other sources and efficiently run by the students. Manure is used for the purpose of herbal garden as well or for planted tree.

**Liquid waste management:**

- The waste chemicals mixed water from laboratory passes through concealed pipe line into soak pit.
- Chemical liquid waste are diluted by lime treatment or equalisation of acid and base. Washroom and toilet liquid wastes in to the common drainage.

## E-waste management

- The E-waste collected is stored in store room and disposed every year accordingly.
- Empty toners, cartridges, outdated computers and electronic items are sold as scrap to ensure their safe recycling.
- Printer, monitors and CPUs are repaired as per requirement under Annual maintenance committee (AMC).

*A. F. Bobade*

**A. F. Bobade**  
Asst. Professor & H.O.D (Industrial Chemistry)  
Arts, Science & Commerce College,  
Chikhaldara



*[Signature]*

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Art, Science & Commerce  
College, Chikhaldara

**Name of the activity: - “Solid, Liquid waste management”**



**Disposal of solid waste site**



**Name of the activity: - “Solid, Liquid waste management”**



**Laboratory Disposal of waste water site**



**Report of the Activity**  
**Extension Activity: Plastic Free Environment**  
**Academic Year: 2023-2024**  
**Department of Chemistry**

**Date:** 11<sup>th</sup> October 2023  
**Venue:** ASCC, Seminar hall  
**Objectives of program:** To aware about polythene plastic bag pollution.  
Making our environment an eco-friendly zone.

**Reference:** MAHARASHTRA NON-BIODEGRADABLE GARBAGE (CONTROL) Act,  
2006. No. Plastic-2022/C.R.104/TC-1.— Notification, 2018 dated 23rd March, 2018,


**Brief Report:** In the academic session 2023-24 Department of Chemistry organized Extension Activity program for the students. The program conducted on 11<sup>th</sup> October 2023 in Seminar hall.

Mr. Rahul P. Rahate, Assistant Professor in Chemistry anchored the program. Dr. U. S. Wasnik, HOD in her speech gave brief introduction about the Extension activity of the department, addressed the students and insist students to avoid use of single use plastic. Shown ppt on plastic bag pollution. Aware the students about how plastic polythene bags polluted the air when plastic bags burn, it releases toxic substances into air causing air pollution, also the harmful effect of plastic bags on human beings, animals and the environment.

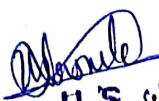
Plastics do not undergo degradation, stays in the soil for many years, which affects soil fertility and degrades the soil quality. When plastic enter the drainage and sewerage system, it blocks the pipes and the drains causing water logging. The improperly disposed of food bags, when eaten by animals, cause stomach and intestine related diseases which even lead to suffocation and death. Plastic items find their way to the river and other water bodies, which are then swallowed by fish, seabirds, and other marine species. Proper disposal and usage of plastic discards can reduce these problems. A set of regulations should necessarily be followed to stop these problems.

At the end of program all the students took oath that they not to use plastic bags and use only cotton bags & save earth. The program ended by vote of thanks.

**Number of beneficiaries : 29**

  
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**U. S. Wasnik**  
**Asst. Professor & H.O.D. [Chemistry]**  
**Arts, Science & Commerce College,**  
**Chikhaldara**



## Demonstration on how to make newspaper bags





**Students taking Oath**



Arts, Science & Commerce College, Chikhaldara

Department of Chemistry

Extension Activity (2023-24)

Plastic Free Environment

Attendance

Date

Sr. No.	Name of Students	Class	Sign. of Students
1	Dipali Sonali Kale	B.Sc.II	Dipali
2	Komal Sakharam Dhande	B.Sc.II	Komal
3	Komal Sanju Dhikar	B.Sc.I	Komal
4	Sanjana Chaitram Navale	B.Sc.I	Sanjana
5	Khushi Shailesh Malviya	B.Sc.II	Khushi
6	Afshan Shaikh Nisar	B.Sc.II	Afshan
7	AZFARA SHAIKH NISAR	B.Sc.I	Afshan
8	Umar Ahmad Khan	B.Sc.II	Umar
9	Kaustubh Rajiv Patilkar	B.Sc.II	Kaustubh
10	Dipesh Vitthalrao Lakade	B.Sc.-II	Dipesh
11	Rohit Sheshpal Deshmukh	B.Sc.III	Rohit
12	Manisha Navalsing Sawalkar	B.Sc.I	Manisha
13	Sagar Shaligram Darsimbe	B.Sc.I	Sagar
14	Abhishek Jayram Kasdekar	B.Sc.I	Abhishek
15	Rahul Ramesh Kasdekar	B.Sc.II	Rahul
16	Jushila Ganesh Belsare	B.Sc.II	Jushila
17	Karishma Gendalal Kasdekar	B.Sc.II	Karishma
18	Kiran Rajkumar Hekade	B.Sc.I	Kiran
19	Sandhya Shyamkishor Bilve	B.Sc.II	Sandhya
20	Aditya. Arvind Zoy	B.Sc.I	Aditya
21	Ku. Triveni Ramdas Girhe	B.Sc.III	Triveni
22	Ku. Poojika Onkar Sharma	B.Sc.III	Poojika
23	Ku. Manjusha K. Kasdekar	B.Sc.III	Manjusha
24	Ku. Ashwini D. Darsimbe	B.Sc.III	Ashwini
25	Ku. Sangita S. Dhande	B.Sc.III	Sangita
26	Ku. Sanvanita S. Selukat	B.Sc.III	Sanvanita



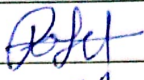
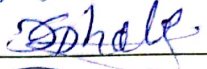
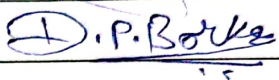
Arts, Science & Commerce College, Chikhaldara

Department of Chemistry

Extension Activity (2023-24)

Plastic Free Environment

Attendance

Sr. No.	Name of Students	Class	Sign. of Students
1	Ku. Patal Ramesh Pave	Bsc III	
2	darshana Gajanan Dhale	Bsc III	
3	Deep P. Borkar	Bsc III	
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**Sipna Shikshan Prasarak Mandal, Amravati's**  
**ARTS, SCIENCE AND COMMERCE COLLEGE**  
CHIKHALDARA, DISTT. AMRAVATI (Maharashtra State)



**Policy Document**

**E-WASTE MANAGEMENT**

Sipna Shikshan Prasarak Mandal, Amravati's  
**Arts, Science and Commerce College**  
Chikhaldara, Distt. Amravati

-POLICY DOCUMENT-

**E- WASTE MANAGEMENT**

**Introduction:**

Waste is an outcome of product or a substance that is no longer suited for its intended use. Electronic waste also known as E-Waste or WEEE (Waste electrical and electronic equipment) comprises of a broad and growing range of electronic devices, ranging from large household devices such as refrigerators, electric motors, voltage stabilizers, air conditioners, cell phones, personal stereos, Television, LED's, CRT's, Computer systems and other consumer electronics which have outlived their lives and have been discarded by the users. Robinson 2009 defines E-Waste as "any device connected to a power source that no longer satisfies the current owner to the purpose for which it was created", such as computer, television, cell phones, refrigerator and ovens. With the presence of deadly chemicals and toxic substances in the electronic gadgets, disposal of E-Waste is becoming an environmental and health nightmare. Globally only 15 – 20 percent of E-Waste is recycled while the rest is dumped into developing countries such as India, China and Nigeria.

The demand for electronic and electrical equipment (EEE) has been on the increase in the last decade as a result of accelerated economic growth, coupled with urbanization around the world. The useful life of electrical and electronic equipment (EEE) has been shortened as a consequence of the advancement in technology and change in consumer patterns. This has resulted in the generation of large quantities of electronic waste (e-waste) that needs to be managed. The handling of e-waste including combustion in incinerators, disposing in landfill or exporting overseas is no longer permitted without isolating the hazardous materials due to environmental pollution and global legislation

**Policy Statement:**

Any E-waste generated in the campus shall be managed and handled in accordance with the compliance criteria and the procedure laid down in E-waste (Management & Handling) Rules under the Environment Protection Act 2016 and E- Waste (Management) Amendment Rules, 2018. There is a legal requirement for all who produce, keep or dispose hazardous/radioactive waste/chemical waste of any type. to manage its waste responsibly, reduce the volume of waste sent to landfill and to sensitize reuse and recycling where ever possible. to comply with the various regulations under national and international environmental protection legislation.



### Objectives:

1. To minimize generation of e-waste at source and facilitate repair, reuse and recycling where ever possible, over the disposal of wastes in a cost-effective manner.
2. To ensure the safe handling and storage of wastes
3. To provide appropriate training for teacher, resident, staff, students and other stakeholders on waste management issues

### Modus Operandi / Working Mechanism:

1. Considering the negative impacts of the improper disposal of e-waste and need to implement an effective e-waste management system.
2. The Institute sponsor seminars regarding proper e-waste management and disposal for students, faculty and staff
3. Environmentally sound e-waste management achieved through the following measures:1) Ensure use of environmentally sound technologies to maximize recovery and minimize waste generation. 2) Appropriate technologies for recycling to be sourced/developed 3) Training and skills development to be encouraged for using environmentally safe operations in handling e-waste.4. To aware staff for effects of e waste.
4. The disposal of e-waste in manner that is safe and sound with respect to its staff, students, and Institutional operations

### Feedback Mechanism:

Possible waste disposal methods are recycling, composting, incineration, landfills, bioremediation, waste to energy, and waste minimization. To focus on activities on five life cycle areas – design, production, usage, reuse and recycling, final disposal of electronic waste.

To ensure green computing and proper management of electronic waste. One is to purchase products that are certified by EPEAT, an environmental rating system for electronic products

Creation of initiatives to reduce e waste and its proper management. e waste management initiatives are refuse, **reduce, reuse, repurpose, and recycle**. Effective management of e waste by stock checking committee.



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# नगर परिषद, चिखलदरा

ता. चिखलदरा, जि. अमरावती.

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Email : co.chikhaldara@gmail.com

जावक क्र. : A.S.C.C./124/2024

दिनांक : 28/03/2024

To

The Principal  
Arts, Science and Commerce College,  
Chikhaldara, Distt. Amravati

Subject:

Commendation for Outstanding Cleanliness and Hygiene Standards at  
Arts, Science and Commerce College, Chikhaldara, Distt. Amravati

On behalf of Chikhaldara Municipal Council, Chikhaldara, I am writing to extend our sincerest appreciation for the exemplary cleanliness and hygienic standards maintained within the premises of your esteemed institution.

Over the years, Arts, Science and Commerce College, Chikhaldara, Distt. Amravati has consistently demonstrated a commitment to fostering a healthy and conducive learning environment for its students, faculty, and staff. The meticulous attention to detail in maintaining the cleanliness of the campus reflects positively on the values and principles upheld by your institution.

The Chikhaldara Municipal Council, Chikhaldara has received numerous commendations from residents and visitors alike regarding the immaculate state of the college grounds and facilities. Your dedication to ensuring that the surroundings remain free from litter, debris, and other environmental hazards is truly commendable and sets a commendable example for other educational institutions in the region.

Maintaining high standards of cleanliness and hygiene not only enhances the aesthetic appeal of the campus but also plays a crucial role in safeguarding the health and well-being of everyone associated with the college community. By prioritizing cleanliness, Arts, Science and Commerce College, Chikhaldara, Distt. Amravati demonstrates its commitment to promoting a safe and healthy learning environment, which undoubtedly contributes to the overall academic success and well-being of its students.

We commend the efforts of your maintenance staff, faculty, and students who work tirelessly to uphold these standards of excellence. Their dedication and hard work do not go unnoticed and are a testament to the strong sense of community and pride within Arts, Science and Commerce College, Chikhaldara, Distt. Amravati



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जावक क्र. : .....

दिनांक : २४/०३/२०२४

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Once again, we extend our heartfelt gratitude for your continued efforts in maintaining a clean and hygienic environment at Arts, Science and Commerce College, Chikhaldara, Distt. Amravati . We look forward to further collaboration and partnership in our shared goal of promoting health, cleanliness, and well-being in our community.

Please do not hesitate to reach out if there are any opportunities for collaboration or if the Chikhaldara Municipal Council, Chikhaldara can be of any assistance in supporting your initiatives for a cleaner and healthier campus environment.

Warm regards,

Yours



*[Handwritten Signature]*  
05/04/24  
Chief Executive Officer  
Chikhaldara Municipal Council  
Chikhaldara, Distt. Amravati