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क्रमांक : 006/Estt/A.T./71/2022 192

दिनांक : 31/01/2022

अधिसूचना

कार्य परिषद द्वारा दिनांक 07.01.2022 को सम्पन्न 72वीं बैठक में मद संख्या-13 के तहत लिये गये निर्णयानुसार विश्वविद्यालय के विभिन्न खराब/अनुपयोगी इलेक्ट्रिक एवं इलेक्ट्रॉनिक उपकरणों को नष्ट करने हेतु वन एवं पर्यावरण मंत्रालय की ई-वेस्ट (प्रबंधन) नियमावली, 2016 के दिशा-निर्देश के आलोक में संलग्न नीति लागू की जाती है।

यह अधिसूचना सक्षम अधिकारी के अनुमोदनोपरांत जारी की जाती है।

संलग्नक: यथोपरि।

कादर नवाज़
(कादर नवाज़ खान)
कार्यकारी कुलसचिव
31/01/22

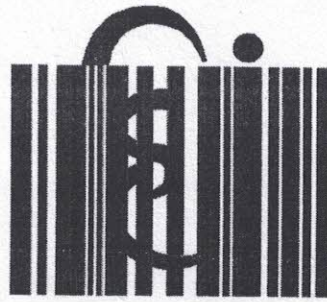
प्रतिलिपि : सूचनार्थ एवं आवश्यक कार्रवाई हेतु (ईमेल द्वारा)

1. कुलपति कार्यालय
2. प्रतिकूलपति (द्वय) कार्यालय
3. समस्त अधिष्ठाता, विभाग अध्यक्ष/प्रमुख, केंद्र निदेशक, क्षेत्रीय केंद्रों के अकादमिक निदेशक/प्रभारी
4. निदेशक, आंतरिक गुणवत्ता सुनिश्चयन प्रकोष्ठ
5. कुलसचिव कार्यालय
6. वित्ताधिकारी कार्यालय
7. सहायक कुलसचिव, परिसर विकास विभाग
8. सहायक कुलसचिव, भंडार एवं क्रय विभाग
9. लीला, वेबसाइट पर अपलोड करने हेतु
10. रक्षित पत्रावली।

E-Waste Management Policy
of
Mahatma Gandhi Antarrashtriya Hindi
Vishwavidyalaya

(संसद द्वारा पारित अधिनियम 1997, क्रमांक 3 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)

(A Central University established by Parliament by Act No. 3 of 1997)



ज्ञान शांति मैत्री

E-WASTE POLICY AT MAHATMA GANDHI ANTARRASHTRIYA HINDI VISHWAVIDYALAYA, WARDHA

INTRODUCTION

Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reverse the trends. Being a premier institution of higher learning, the university has actively promoted various programmes for the environment protection and sustainability.

'e-waste' means electrical and electronic equipment, whole or in part discarded as waste by the consumer or bulk consumer as well as rejects from manufacturing, refurbishment and repair processes.

The rapid growth of technology and a high rate of obsolescence in the electronics industry have resulted in fast growth in volume of e-waste; it include waste electrical and electronic equipment product such as: Tubelights, bulbs, electric cables, Computers and Printers, Televisions, Refrigerator Mobiles, Laptops and Photocopiers etc. Many of which contain toxic materials such as Ferrous & Non-ferrous Metals, Plastics, Mercury, Arsenic, Lead etc.

Recognizing the hazardous effects on our environment, it has become imperative for everyone to contribute its bit. This can be done by reducing e-waste and manage it in such a way that it has minimum harmful effect on our environment.

The University utilizes a wide range of electronic products among them computers, printers, telephone gadgets which results in accumulated e-waste in the university structures. The University as consumers of Information Communication and Technology (ICT) equipment is obliged by law to implement a sustainable environmentally friendly electronic waste disposal policy. After outliving their lifespan, these equipments are considered obsolete but they may still function before they fully outlive their usefulness. Wear and tear of obsolete equipment can be hastened by the conditions unto which these equipments are subjected to like power stability, dust, end user handling and moisture. ICT equipment that is due to outlive its useful life continues to erode the quality of end user output through regular breakdown until it completely degenerates for disposal. Before disposing off any hardware, functional components of some ICT equipment like computers may be salvaged to assemble other functional equipments like personal computer, which may be re-deployed for use, donation or sale of some electrical components in these outlived computers need to be collected and sold to computer repair points.

Being aware of its responsibility towards society and environment, the University has developed policy to implement 'e-waste' management.

OBJECTIVES

The green audit of the campus was carried out with the main objectives to monitor the green practices followed in the University towards achieving environmental sustainability, which is mainly focused on the following topics :

- *Energy management*
- *Waste Management*
- *Green Plantations*

ENERGY MANAGEMENT

The campus is installed with LED tubes that reduces the energy consumption and have better efficiency. All the air conditioners installed are of having energy stars with power savings. The campus has been following the GRIHA norms with its eco-friendly and energy efficient measures. The University has given much importance to the use of renewable energy sources.

The awareness on energy conservation is regularly conveyed to staff and students to make them more responsible. Small activities like switching off lights, fans and computers not in use are completely practiced by all the members of University. The temperature of the air conditioners in the

campus is set at 21°C during peak summer to reduce energy consumption without affecting the comfort. The University has facilitated the purchase of e-bicycles to its employees for their transportation which saves the fuel consumption and also reduces the carbon emissions from private vehicles.

WASTE MANAGEMENT

The colour coded bins for different wastes are placed at different locations of the campus for collection of waste and its easy sorting at source.

Biodegradable wastes: The biodegradable wastes generated from mess kitchen, canteen and plant litters were collected and used for composting. The paper wastes especially the cardboards are generally sold to the recyclers. In order to reduce the paper consumption and paper waste generation the University follows double sided printing on papers for official purposes. Employees Mostly practices paperless works by using emails.

GREEN PLANTATION IN THE CAMPUS

The University campus is a green campus with many ornamental, neem, medicinal and fruit. Medicinal plant species are planted in the campus with proper labelling of its botanical and common name. These trees are habitat for several bird species. The bird nests along with water have been placed in many locations to increase the number of bird visits. The regular plantation drives are conducted to improve the present greenery in the campus.

The green audit concluded that the Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha has taken all the eco- friendly measures for making the campus green and environmentally sound. All the students, staff, faculty and administration are working to achieve environmental sustainability.

E-WASTE POLICY PRINCIPLES

Any Electronic equipment is regarded as a 'waste' at a time when it is permanently discarded by the authorized statutory person i.e. Registrar of the University. Any electronic equipment, once permanently discarded by the Registrar is classified as a waste, regardless of it being operational, partially operational or non-operational.

Following principles are followed regarding e-waste:

DATA PROTECTION

The University shall maintain partnerships with relevant disposal parties like Electronic waste collectors, refurbishers, ICT importers and assemblers, distributors and retailers. All University user (academic and administrative) units are required to avail obsolete ICT equipments to the central ICT support unit (LILA) for safe disposal. For any computer equipment capable of storing information, compliance to the Information Privacy Principles must be adhered to.

PROTECTION OF THE ENVIRONMENT

Wherever possible, computer equipment should be re-deployed, either in its current state or where no internal markets exist externally. Sold or donated equipment should be recycled or disposed off in an environmentally and socially-friendly manner. Only designated disposal points will be used for e-waste.

SOCIAL RESPONSIBILITY

The University shall make all reasonable investigations and take precautions regarding the final destination of all electronic equipment which it sells. Where electronic equipment is sent for disposal, the authority will endorse the 'proximity principle' wherever possible and ensure that the equipment is either redeployed or disposed off as close to the point of generation as possible.

DISPOSAL

Any disposal of electronic assets will be in accordance with the procedures specified by the Central Government disposal rules and regulations. Subject to financial regulations, the University will endeavor to ensure maximum usage and value for money is obtained from all electronic items in order to dispose e-waste where possible. All equipments prior to release for disposal, it will be ensured that sanitization procedures have been followed.

OBJECTIVES OF THE POLICY

The e-waste management policy is formed with following objectives-

1. To minimize generation of e-waste.
2. To mobilize and sensitize stakeholders on proper management and handling of e-waste on a sustainable basis.
3. To develop and implement a critical human resource base knowledgeable in handling e-waste.
4. To develop environmental sound e-waste recycling methods.
5. To provide guidance on the standards of electronic equipment that is important into the University.

SCOPE OF THE POLICY

This policy is formed to be applicable in the University campus and covers electronic equipments/devices and e-waste management operators on e-waste resultant from staff and students' activities within the University.

ELEMENTS OF THE POLICY

This policy covers the following elements: legal framework, capacity building and environmental sound management of e-waste, awareness and information dissemination and resource mobilization.

Legal Framework The e-waste management policy is formed in accordance to the **E-Waste (Management) Rules, 2016** by Ministry of Environment, Forest and Climate Change, Government of India.

Capacity Building For E-waste management activities, the University shall strengthen capacity and put continued efforts on effective and efficient ways to manage e-waste. The existing skills in the area of e-waste are limited, yet these skills are a prerequisite for successful protection against e-waste has arcs for both the environment and human health. The University shall-

- Develop e-waste business models that can create wealth and employment which will make it sustainable in addition to yielding social benefits.
- Facilitate development of e-waste management training to cover maintenance, dismantling, and sustainable e-waste management, to provide for environmental and human health benefits.

ENVIRONMENTALLY FRIENDLY MANAGEMENT OF E-WASTE

Environmentally friendly recycling refers to recycling without leading to adverse impact on environment and health. The use of environmentally friendly technologies need to be encouraged in order to increase efficiency in processes, maximize recovery materials and conserve energy, thus reducing waste generation. The policy shall encase access to such technologies and make the informal stakeholders accountable. Environmentally friendly e-waste management shall be achieved through the following measures:

- i. Appropriate technologies for recycling to be sourced (internally or externally).
- ii. Ensure use of environmentally friendly technologies to maximize recovery and minimize waste generation
- iii. E-waste sound recycling in authorized /centralized areas.
- iv. Training and skills development to be encouraged for using environmentally safe operations in handling e-waste.

AWARENESS AND INFORMATION DISSEMINATION

Considering the fact that there is low awareness on hazards of e-waste in the Society, the University shall regularly organize Community awareness campaigns on hazards of e-waste on our environment and how to safely handle e-waste. The University shall:

- i. Develop a strategy for educating all stakeholders in the University and society in general including partnerships with retainers/recyclers.
- ii. Develop an e-waste resource web portal.
- iii. Organize annual events to promote e-waste awareness. Awareness needs to be crated among all stakeholders in the e-waste value chain. Training and awareness programs need to be organized involving other stakeholders.

RESOURCE MOBILIZATION

The University shall provide resources for e-waste management as follows:

- i. Increase the budgetary allocation to the initiative targeted at reducing e-waste risks
- ii. Put in place mechanisms for resource mobilization among development partners;
- iii. Provide the Buildings, equipment and devices and other support systems for effective and efficient management of e-waste.
- iv. Provide means of transporting these electronic wastes to safe places.

E-WASTE POLICY IMPLEMENTATION PLAN

COLLECTION PLAN

For collecting e-waste generated from the University, the University shall-

- i. In liaison with the respective Campus/Directorate/Institution/Departments, identify e-waste in the University.
- ii. Ensure that e-waste is collected on half yearly basis and kept in an appropriate storage pending the recommendations/approval of recommendations of the Disposal Committee comprising of relevant Depts., viz. Campus Development, Store & Purchase, LILA and Finance etc. The Committee in this regard will be constituted by the Competent Authority of the University.
- iii. Profile all e-waste generated at least once on every half yearly basis and Disposal Committee will prepare and submit report including recommendations for disposal before the Competent Authority of the University.
- iv. After getting the approval same will be executed by the Disposal Committee.

ADVISORY COMMITTEE

An e-waste advisory committee shall be constituted by the Competent Authority of the University. It shall comprise of two faculty members and one each from the Campus Development, Store & Purchase, LILA and Finance departments.

- i. Advise review/improvement of this policy from time to time.
- ii. Develop procedures and work instructions for collection, sorting, disassembly, packaging, storage arid disposal of e-waste.
- iii. Encourage decisions consistent with the national polices and constitution
- iv. Minimize the unintended consequences due to e-waste handling.
- v. Monitor the implementation of this policy and advise university management as appropriate.
- vi. Oversee implementation of this policy.
- vii. Provide flexibility to adopt the changes required from time to time.
- viii. Review inputs from all stakeholders.

STAFF AND SKILLS

The University shall facilitate development of skills requisite for the implementation of e-waste management operations. The staff shall be provided with the requisite instructions and procedures, equipment and devices of e-waste management operations.

MONITORING AND EVALUATION

Realization of the output of the policy shall require consistent monitoring and evaluation of the output indicators. The appropriate external agency and any other relevant stakeholders will carry out monitoring and evaluation at different levels. A monitoring and evaluation framework shall be developed to ensure midterm review of this policy.

The policy implementation shall be reviewed through the performance contracting execution and reporting structures. A policy implementation plan shall be developed every financial year including actions, actors, time and resource plans.

REVIEW OF POLICY

The policy shall be reviewed periodically or as deemed necessary and final decision in this regard shall vest with the Competent Authority, i.e. The Vice-Chancellor of the University.