


E- WASTE MANAGEMENT



ASSOCIATED HOSPITAL




GOVERNMENT MEDICAL COLLEGE KATHUA

SOP FOR E-WASTE MANAGEMENT

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E- WASTE MANAGEMENT

DEFINITION

Waste electrical and electronic equipment, whole or in part or rejects from their manufacturing and repair process, which are intended to be discarded.

PURPOSE

The purpose of this SOP is to provide framework for management of electrical and electronic waste generated in the hospital as a bulk consumer and to set out a procedure for disposal of waste in an environmental sound manner by complying with regulatory requirements.

SCOPE

Electrical and electronic waste refers to **Electronic and Electrical Equipment(EEE)**

This SOP will be used by Hospital Staff as a guide for electrical and electronic waste management which includes collection, storage and return of E-waste generated in different areas of he Hospital to the collection center, dismantler, recycler or producer of the electrical and electronic equipment or component.

MANAGEMENT RESPONSIBILITY:

The EEE waste management team is responsible for the overall electrical and electronic waste management at Hospital.

It is the responsibility of E-waste management team to sensitize hospital employees for E-waste management related protocol

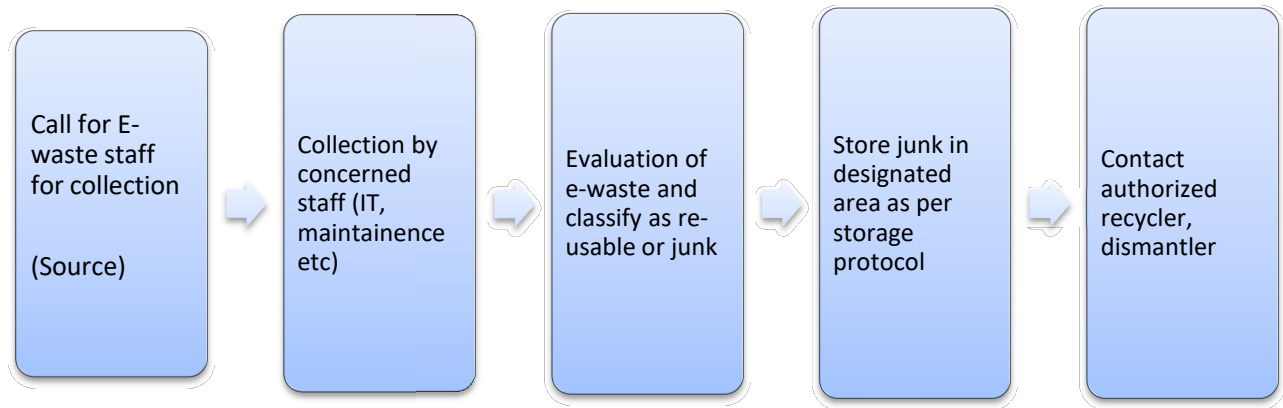
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Electronic and Eletrical equipment(EEE)

S NO.	CATEGORIES OF ELECTRICAL AND ELECTRONIC EQUIPMENT	EEE CODE	AVERAGE LIFE
i.	Information technology and telecommunication equipment		
	Centralized data processing:	ITEW1	
	Mainframe		10 Years
	Minicomputer		5 Years
	Personal Computing: Personal Computers (Central Processing Unit with input and output devices)	ITEW2	6 Years
	Personal Computing: Laptop Computers(Central Processing Unit with input and output devices)	ITEW3	5 Years
	Personal Computing: Notebook Computers	ITEW4	5 Years
	Personal Computing: Notepad Computers	ITEW5	5 Years
	Printers including cartridges	ITEW6	10 Years
	Copying equipment	ITEW7	8 Years
	Electrical and electronic typewriters	ITEW8	5 Years
	User terminals and systems	ITEW9	6 Years
	Facsimile	ITEW10	10 Years
	Telex	ITEW11	5 Years
	Telephones	ITEW12	9 Years
	Pay telephones	ITEW13	9 Years
Cordless telephones	ITEW14	9 Years	
Cellular telephones	ITEW15		
Feature phones		7 Years	
Smart phones		5 Years	
Answering systems	ITEW16	5 Years	
ii.	Consumer electrical and electronics:		
	Television sets (including sets based on (Liquid Crystal Display and Light Emitting Diode technology)	CEEW1	9 Years
	Refrigerator	CEEW2	10 Years
	Washing Machine	CCEW3	9 Years
	Air-conditioners excluding centralized air conditioning plants	CCEW4	10 Years
	Fluorescent and other Mercury containing lamps	CEEW5	2 Years

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FLOWCHART DIAGRAM OF THE E-WASTE MANAGEMENT



COLLECTION AND STORAGE

All central government and state government departments including hospitals are classified as bulk consumer under the E-waste (Management) rules 2016. A bulk consumer means user of electrical and electronic equipment or component.

Bulk consumer of electrical and electronic equipment are required to ensure that e-waste generated by them is channelized to authorized collection center or registered dismantler or recycler or is returned to the pickup or take back services provided by the producers.

It is to be ensured that such end of life electrical and electronic equipments do not contain radioactive material

Upon detection of any non working electrical and electronic equipments or its components, the hospital staff posted in that area shall inform the designated person assigned for handling the e-waste in the hospital.

The e-waste so generated, if classified as junk or non repairable, is the responsibility of the e-waste management team for safe storage in the designated area as defined until transportation to the authorized, dismantler etc.

It is the responsibility of the e-waste management team to ensure the storage of the e-waste in a manner to avoid damage to the equipment so as to prevent the release of harmful substances such as refrigerant gases, mineral or synthetic oil, mercury, asbestos and ceramic fibers depending upon the type of equipment.

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SAFETY CONSIDERATIONS

It is the responsibility of the e-waste management team to ensure that :

1. The storage area must be a covered place.
2. There should be adequate firefighting arrangement and emergency escape route.
3. Dry sand, absorbent pad and bronze shall be available to manage spills, etc in case of damage to the equipment,
4. In case of equipment such as computer, laptop, etc equipped with hard drives and memory system for the data storage, the IT wing personal shall be consulted for erasing such data in order to minimize or avoid the stored data getting into the hands of unauthorized person at subsequent stages of recycling or dismantling.

RECORD KEEPING

It is the responsibility of the e-waste management team to ensure that :

1. Documentation of collection, storage and transportation of e-waste from the hospital is to be maintained.
2. Hospital staff handling the e-waste shall maintain records of e-waste generated by them in Form-II
3. Such record shall be made available for scrutiny by the SPCB or Pollution control committee concerned.
4. E-waste to be disposed in line with the e-waste (Management and Handling) Rules, 2010.
5. Ensure that e-waste generated by them is channelized to authorized collection center(s) or registered dismantler(s) or recycler(s) or is returned to the pick-up or take back services provided by the producers