THE GOVERNMENT OF THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

MINISTRY OF ENVIRONMENT AND FOREST



Management of Electrical and Electronic Wastes Council of Ministers Regulation No...../

ADDIS ABABA

COUNCIL OF MINISTERS REGULATION ON THE MANAGEMENT OF ELECTRICAL AND ELECTRONIC WASTE

This Regulation is issued by the Council of Ministers pursuant to Article 5 of the Definition of powers and Duties of the Executive Organs of the Federal Democratic Republic of Ethiopia Proclamation No 691/2010 and Article 20 of the Environmental Pollution Control Proclamation No.300/ 2002.

1. Short Title

This Regulation may be cited as "Management of electrical and electronic wastes Council of Ministers Regulation No……. /2014.

2. Definition

In these Regulations unless the context otherwise requires:

1. **"Region"** means any region of the Federal Democratic Republic of Ethiopia referred to in Article 47 of the Constitution of the Federal Democratic Republic of Ethiopia and, for the purpose of this Regulation, includes the Addis Ababa and Dire Dawa City Administrations;
2. **"person**" means any natural person or juridical person;
3. **"Ministry"** means the Ministry of Environment and Forest;
4. **"Minister"** means the minister of the Ministry of Environment and Forest;
5. **"electrical and electronic equipment"** means an equipment which is powered by electric currents or electromagnetic fields including those used for the generation, transmission and measurement of electric currents and electromagnetic fields and designed for use with a voltage rating not exceeding 1000 Volt for alternating current and 1500 Volt for direct current ;
6. **"electrical and electronic waste"** means all types of electrical and electronic equipment and its parts that have been discarded;

7. **"extended producer responsibility"** means responsibility of any producer of electrical and electronic equipment, for their products beyond manufacturing until environmentally sound management of their end-of-life products;
8. **"producer"** means any person who,
    a) manufactures electrical and electronic equipment under his own brand; or
    b) wholesales electrical and electronic equipment ;or
    c) assembles electrical and electronic equipment for sale; or
    d) retails electrical and electronic equipment; or
    e) imports electrical and electronic equipment into Ethiopia.
9. **"importer"** means any person who imports electric and electronic equipment from abroad via land or air or sea into Ethiopia.
10. **"consumer"** means any person using electrical and electronic equipment.
11. **"wholesaler "** means any person who sells electrical and electronic equipment to a retailer after buying them from a manufacturer or an importer, or when a manufacturer or an importer sells goods to a retailer or to a whole seller is considered to have been engaged in whole sale business ;
12. **"retailer"** means any person who sells electrical and electronic equipments to consumers or users after buying them from a whole seller or a manufacturer or an importer, or when a whole seller or a manufacturer or an importer sells goods to consumers or users is considered to have been engaged in retail business;
13. **"center"** means any location wherein the process of collection, storage, refurbishing, dismantling, recycling and disposal of electrical and electronic waste are carried out;
14. **"reduce"** means measures aimed at minimizing the quantity and the harmfulness to the environment of electrical and electronic wastes;
15. **"reuse"** means any operation by which products or components that are not waste are used again for the same purpose for which they were conceived;
16. **"collection"** means the gathering of electrical and electronic waste, including the preliminary sorting and preliminary storage of waste for the purposes of transport to a waste treatment facility;
17. **"collection center"** means a center established individually or jointly to collect electrical and electronic waste;

18. **"recycle"** means reprocessing of an electrical and electronic waste materials for their original purpose or for other purposes;

19. **"recycler"** means any person who is engaged in recycling of electrical and electronic waste;

20. **"refurbish"** means repairing of used or discarded electrical and electronic equipments or components with the intention of resale or reuse;

21. **"refurbisher"** means any person who is engaged in refurbishment of used electrical and electronic equipment or component;

22. **"dismantle"** means the process of disassembling an electrical and electronic equipment into parts that can be reused as they are or that can be used to make new appliances or that become hazardous material for disposal;

23. **"dismantler"** means any person engaged in dismantling of electrical and electronic equipment;

24. **"treatment"** means recovery or disposal operations , including preparation prior to recovery or disposal;

25. **"recovery"** means recycling of materials from electrical and electronic wastes or parts and fractions thereof or incineration with energy recovery ;

26. **"transporter"** means a person engaged in the transportation of electrical and electrical waste by land or air or sea;

27. **"disposal"** means any operation which does not lead to recycling or recovery and includes incineration and deposition of electrical and electronic wastes in secured landfill;

28. **"environmentally sound management of hazardous wastes"** means taking all practicable steps to ensure that hazardous wastes are managed in a manner which will protect human health and the environment against the adverse effects which may result from such wastes;

3. Where the provisions of the Proclamation are set out in the masculine gender it applies equally to the feminine gender.

4. **Scope of Application**

This Regulation shall apply to producers, transporters, collection centers, refurbishers, dismantlers, recyclers and consumers of electrical and electronic equipment as specified in

Annex1of this Proclamation and any other appliance that may be added to the list by the Ministry in a Directive issued under this Regulation.

5. **Management of electrical and electronic waste hierarchy**

1) To minimize the environmental impacts of electrical and electronic waste, the following waste hierarchy should be applied:

a) reduction of waste generation;

b) refurbishing and reuse;

c) recycling;

d) disposal;

6. **Extended producer responsibility**

1) In order to strengthen the reduction of waste generation, reuse, recycling and other recovery of electrical and electronic waste any producer shall have extended producer responsibility.

2) The extended producer responsibilities shall entail the following responsibilities;-

(a) collection of electrical and electronic waste generated during the manufacture of electrical and electronic equipment and channelizing the same for recycling or disposal;

(b) collection of electrical and electronic waste generated from the end of life of their products in line with the principle of extended producer responsibility, and to ensure that such electrical and electronic wastes are channelized to registered refurbishing or dismantling or recycling centers;

(c) setting up collection centers or take back system either individually or collectively for all electrical and electronic equipment at the end of their life;

(d) financing either individually or collectively, and organizing a system to meet the costs involved in the environmentally sound management of electrical and electronic waste.

7. Responsibilities of consumer

Consumers shall ensure that the electrical and electronic wastes are taken back to producers.

8. Collection of Electrical and Electronic Wastes

1. Any person seeking to open a collection centre for electronic wastes shall submit an application for authorization from the Ministry.
2. The person who has secured a permit under the provisions of this article to open a collection center individually or collectively shall ensure:
   a) the collection of electrical and electronic waste should be done separately from other types of waste;
   b) the traceability of the source and movement of the waste;
   c) that the electrical and electronic wastes collected are stored in a manner that ensures that nobody reaches them and that they pollute nothing till they are sent to the authorized dismantling or recycling center;
   d) that no damage is caused either to human health or to the wellbeing of the environment during storage or transportation of the electrical and electronic wastes.
3. Sources of electrical and electronic waste may include :
   a) households;
   b) offices of governmental and non- governmental organizations;
   c) producers;
   d) retailers;
   e) places where the presence of abandoned electrical and electronic wastes have been notified to the Ministry and the Ministry has notified the collection centers.

9. **Dismantling Electrical and Electronic Equipments**

1. Any person setting up a dismantling centre for electrical and electronic equipment that are no longer useful shall submit an application for authorization to the Ministry.
2. Any person wishing to be engaged in dismantling items of electrical and electronic equipment shall fulfil the following requirements and obtain a written approval from the Ministry:

   a) the dismantling processes do not have any adverse effect on human health or on the wellbeing of the environment;
   b) the organizational capacity of the centre and dismantling processes are in accordance with the standards set by the Ministry; and

c) the dismantled electrical and electronic wastes are segregated and sent abroad or to centres within Ethiopia that have been registered by the Ministry.

3. The owner shall identify what wastes his dismantling centre is capable of safely handling, and accordingly notify in writing and receive a written approval from the Ministry.
4. Every dismantling centre shall maintain records of the electrical and electronic wastes dismantled as well as kept by it and should make the records available for scrutiny by the Ministry.

10. **Reuse and recycling of electrical and electronic wastes**

1. Electrical and electronic wastes destined for reuse shall be properly tested for functionality and shows evidence of functionality testing.
2. Every person desirous of recycling electrical and electronic wastes shall submit a written application for authorization by the Ministry.
3. Every person allowed to engage in recycling electrical and electronic wastes shall be registered by the Ministry.
4. The person registered as a recycler under sub-article 2 of this Article shall have a written document from the Ministry testifying that he has fulfilled the following requirements :

a) ensured a strict compliance with the terms and conditions of registration,
b) ensured that his centre and his recycling processes are in accordance with the standards set by the Ministry,
c) made all available records to the Ministry and
d) ensured that hazardous residues generated during the recycling process are disposed of in an environmentally sound manner.

11. Refurbishing of electrical and electronic wastes

5. Every person desirous of refurbishing electrical and electronic wastes shall submit a written application for authorization by the Ministry.
6. Every person allowed to engage in refurbishing electrical and electronic wastes shall be registered by the Ministry.

7. The person registered as a refurbisher under sub-article 2 of this Article shall have a written document from the Ministry testifying that he has fulfilled the following requirements :
    e) ensured a strict compliance with the terms and conditions of registration,
    f) ensured that his centre and his refurbishing processes are in accordance with the standards set by the Ministry,
    g) made all available records to the Ministry and
    h) ensured that hazardous residues generated during the refurbishing process are disposed of in an environmentally sound manner.

12. **Labeling and Marking of Electrical and electronic Wastes**
    1. All electrical and electronic items of equipment that are to be reused shall be labeled with a written notification, in both Amharic and English languages, specifying the identity and the final destination.
    2. When an item of electrical and electronic equipment is stored or when it reaches the organization that will reuse it, its type, make, model and serial number shall be recorded.

13. **Treatment before reuse and recycling of electrical and electronic wastes**
    1. When an item of electrical and electronic equipment is deemed un-reusable, it shall be kept in an appropriate waste storage.
    2. During storage, the risks of breakage and potential exposure to substances of concern from improper handling are minimized.
    3. The owner or manager of the recycling centre shall ensure that sufficient training is given to all the staff members of the possible risks and mechanisms of their prevention.

14. **Sorting and Temporary Storage of Electrical and electronic Wastes**
    1. Electrical and electronic wastes shall be sorted in environmentally sound stores for further examination.
    2. There shall be no entry of any unauthorized personnel or members of the public into the storage area mentioned in Sub-article 1 of this Article.

3. Storage areas shall be assigned for spares from electrical and electronic equipment , for scraps to be recycled and parts to be disposed of.
4. Prior to moving into storage areas, electrical and electronic wastes shall be specified and marked for further treatment.
5. The recycling centre shall keep records of spares and stored electrical and electronic materials.

15. **Importation of electrical and electronic wastes**

1. The importation of used electrical and electronic items of equipment containing hazardous materials shall comply with the appropriate national laws on hazardous waste management and multilateral environmental agreements to which Ethiopia is a party.
2. Import permits for electrical and electronic wastes shall only be granted by the Ministry under the following conditions:
   a) Upon furnishing a guarantee that its management will be conducted under conditions that do not endanger human health or environmental wellbeing;
   b) If the waste is required for reuse, recycling or as an industrial raw material in Ethiopia.

16. **Transportation of electrical and electronic wastes**

1. Any person seeking to engage in the transportation of electrical and electronic wastes shall submit an application for authorization.
2. Transportation of any electrical and electronic waste shall be in a manner that does not affect the reusability or subsequent treatment of the waste.
3. Any trans-regional transportation of electrical and electronic waste within Ethiopia shall be given a permit from the Ministry only when the environmental protection office in the destination Regional state has agreed to the movement in writing.

17. **Disposal of electrical and electronic wastes**

1. Electrical and electronic wastes move to final disposal only once all reuse, refurbisment and recycling options have been exhausted.

18. **Occupational Safety, Health and Working Environment**

1. Facilities shall take the necessary measure to safeguard adequately the health and safety of the workers.
2. Occupational health and safety requirements provided under the labor Proclamation shall be applicable under this Regulation.

19. **Penalty**

Any violation of the provisions of this Regulation shall entail civil and criminal sanctions in accordance with the appropriate provisions of the Pollution Control Proclamation No.300/2002 and other laws.

20. **Power to Issue Directives**

The Ministry shall issue directives as required for the implementation of this regulation.

21 . **Effective date**

This Regulation shall come into force upon the date of publication in the Federal Negarit Gazzeta.

Done at Addis Ababa, this.....day of .....

HAILEMARIYAM DESSALEGNE

PRIME MINISTER OF THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

Annex 1- List of electrical and electronic equipments

Large household electrical and electronic equipments

1. Refrigerators
2. Air conditioner appliances
3. Clothes dryer
4. Washing machines
5. Electric stoves
6. Dish washing machines
7. Electric heating appliances
8. Microwave ovens

Small household electrical and electronic equipments

1. Vacuum cleaners
2. Carpet sweepers
3. Appliances used for sewing and weaving
4. Ironing machine
5. Fryers
6. Coffee machines
7. Coffee grinders
8. Electric knives
9. Appliances for hair- cutting, hair drying, tooth brushing, shaving, massage and other body care appliances

IT and telecommunications equipment

1. Minicomputer
2. Mainframes
3. Personal computer (Central processing Unit, mouse, screen and keyboard included)
4. Laptop personal computer (Central processing Unit, mouse, screen and keyboard included)
5. Printers
6. Notepad computers
7. Copying machines
8. Electrical and electronic typewriters
9. Pocket and desk calculators

10. Electrical and electronic equipments for the collection and storage of information
11. Telex
12. Telephones
13. Mobile telephones
14. Cordless telephones

Consumer electrical and electronic equipments

1. Radio
2. Televisions
3. Video cameras
4. Video recorders
5. Hi-fi recorders
6. Audio amplifiers
7. Musical instruments

Leisure and sports electrical and electronic equipments

1. Video game and accessories
2. Electrical and electronic toys
3. Electrical and electronic sporting equipments

Medical electrical and electronic equipments

1. Radiotherapy equipments
2. Cardiology equipments
3. Dialysis equipments
4. Laboratory equipments
5. Other appliances for detecting, preventing, monitoring, treating, alleviating illness or disability

Monitoring and control electrical and electronic equipments

1. Smoke detector
2. Fire detection and Alarm system
3. Heating regulators
4. Thermostats
5. Other monitoring and control instruments used in industrial installations

Lighting equipments

1. Florescent lamps
2. Compacted Florescent lamps
3. Pressure sodium lamps

Automatic dispensers

1. Automatic dispensers for hot drinks
2. Automatic dispensers for cold bottles or cans
3. Automatic dispensers for money
4. All appliances which deliver automatically all kind of products