

[TO BE PUBLISHED IN THE GAZETTE OF INDIA, PART-II, SECTION-3, SUB-SECTION (ii)]

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT AND FORESTS**

NEW DELHI, the SEPTEMBER, 2010

MODIFIED DRAFT NOTIFICATION

S.O. ():- Whereas, the draft rules, namely the e-waste (Management and Handling) Rules 2010 was published by the Government of India in the Ministry of Environment and Forests vide number S.O.1125 (E), dated 14th May, 2010 in the Gazette of India, Extraordinary of the same date inviting objection and suggestion from all persons likely to be affected thereby, before the expiry of the period of sixty days from the date on which copies of the Gazette containing the said notification were made available to the public;

AND WHEREAS copies of the said Gazette were made available to the public on the 14th day of May, 2010;

AND WHEREAS the objections and suggestions received within the said period from the public in respect of the said draft rules have been duly considered by the Central Government;

NOW, THEREFORE, in exercise of the powers conferred by sections 6, 8 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules, namely:-

CHAPTER I

GENERAL

1. Short Title and Commencement. –

- (1) These rules may be called the e-waste (Management and Handling) Rules, 2010.
- (2) They shall come into force with effect from 01.01.2012.

2. Application. –

- (1) These rules shall apply to every producer(s), distributor(s), collection centre(s), refurbisher(s), dismantler(s), recycler(s), consumer(s) or bulk consumer(s) involved in the manufacture, sale, purchase and processing of electrical and electronic equipment or components as specified in Schedule-I and shall not apply to the following:-

- (a) waste water and exhaust gases as covered under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) and the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) respectively and rules made there under;
- (b) waste arising out of the normal operations from ships beyond five kilometers of the relevant baseline as covered under the provisions of the Merchant Shipping Act, 1958 (44 of 1958) and the rules made there under;
- (c) radio-active wastes as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under,
- (d) ozone depleting substances (ODS) as covered under the Ozone Depleting Substances (Regulation and Control) Rules 2000 made under the Act; and
- (e) batteries as covered under the Batteries (Management and Handling) Rules, 2001 made under the Act.

3. **Definitions.** - In these rules, unless the context otherwise requires, -

- (a) 'Act' means the Environment (Protection) Act, 1986 (29 of 1986);
- (b) 'authorisation' means permission for handling, collection, reception, storage, transportation, dismantling, recycling, treatment and disposal of e-waste granted under sub-rule (2) of rule 11;
- (c) 'bulk consumer' means bulk users of electrical and electronic equipment such as Central or State Government Departments, public sector undertakings, banks, private companies, educational institutions multinational organizations and others that are registered under the Factories Act 1948, Companies Act 1956 or the Societies Registration Act 1860, and the Micro, Small and Medium Enterprises Development Act, 2006 including the international agencies;
- (d) 'central pollution control board' means the Central Pollution Control Board constituted under sub-section (1) of section 3 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974);
- (e) 'collection centre' means a centre established, individually or jointly to collect e-waste;
- (f) 'consumer' means any person(s) using electrical and electronic equipment excluding the bulk consumers;
- (g) 'distributor' means any person who receives electrical or electronic equipment or components thereof from the producer, who sells it to consumers or bulk consumers or other distributors or retailers on behalf of the producers or otherwise;
- (h) 'dismantler' means any person engaged in dismantling of used electrical and electronic equipment into their components;
- (i) 'disposal' means any operation which does not lead to recycling, recovery or reuse and includes physic-chemical or biological treatment, incineration and deposition in secured landfill;
- (j) 'environmentally sound management of e-waste' means taking all steps required to ensure that e-waste are managed in a manner which shall protect health and environment against any adverse effects, which may result from hazardous substance contained in such wastes;
- (k) 'electrical and electronic equipment (EEE)' means equipment which is dependent on electric currents or electro-magnetic fields to be fully functional

including those used for the generation, transfer and measurement of such currents and fields falling under the categories set out in Schedule-I.

- (l) 'e-waste' means waste electrical and electronic equipment, whole or in part included in, but not confined to equipment listed in schedule-I and scraps or rejects from their manufacturing process, which is intended to be discarded.
- (m) 'extended producer responsibility' (EPR) means responsibility of any producer of electrical or electronic equipment, for their products beyond manufacturing until environmentally sound management of their end-of-life products.
- (n) 'facility' means any location wherein the process incidental to the collection, reception, storage, segregation, refurbishing, dismantling, recycling, treatment and disposal of e-waste are carried out;
- (o) 'Form' means forms appended to these rules;
- (p) 'historical waste' means e-waste available in the market on the date from which these rules come into force.
- (q) 'orphaned products' means non branded or assembled products as well as those produced by a company, which has closed the operation or stopped the product support;
- (r) 'producer' means any person who, irrespective of the selling technique used;
 - (i) manufactures and offers to sale electrical and electronic equipment under his own brand; or
 - (ii) offers to sale under his own brand, the assembled electrical and electronic equipment produced by other manufacturers or suppliers; or
 - (iii) offers to sale imported electrical and electronic equipment;
- (s) 'recycler' - means any person, who is engaged in processing e-waste for recovery of useful materials or reuse;
- (t) 'refurbishment' means repairing of used electrical and electronic equipment to be put back to original use and selling the same in the market;
- (u) 'refurbisher' means any agency/company who is engaged in refurbishment and is listed under the Company's Act, 1956;
- (v) 'schedule' means the Schedules appended to these rules;
- (w) 'state government'- in relation to a Union territory means, the Administrator thereof appointed under article 239 of the Constitution;
- (x) 'state pollution control board'- means the concerned State Pollution Control Board or the Pollution Control Committee of the Union Territories constituted under sub-section (1) of section 4 of the Water (Prevention and Control of Pollution) Act, 1974;
- (y) 'transporter' means a person engaged in the off-site transportation of e-waste by air, rail, road or water

Words and expressions used in these rules and not defined but defined in the Environment (Protection) Act 1986 shall have the meanings respectively assigned to them in that Act.

CHAPTER II

RESPONSIBILITIES

4. Responsibilities of the producer. – the producer shall be responsible for;-

- (1) collection of e-waste generated during the manufacture of electrical and electronic equipment and channelizing the same for recycling or disposal.

- (2) Collection of e-waste generated from the 'end of life' of their products in line with the principle of 'Extended Producer Responsibility' (EPR), and to ensure that such e-wastes are channelized to registered refurbisher or dismantler or recycler.
- (3) setting up collection centers or take back system either individually or collectively for all electrical and electronic equipment at the end of their life.
- (4) financing, and organizing a system to meet the costs involved in the environmentally sound management of e-waste generated from the 'end of life' of its own products and historical waste available on the date from which these rules come in to force. Such financing system shall be transparent. The producer may choose to establish such financial system either individually or by joining a collective scheme.
- (5) providing contact details such as address, telephone numbers/helpline number and e-mail of distributors and authorized collection centers to consumer(s) or bulk consumer(s) so as to facilitate return of used electrical and electronic equipment.
- (6) creating awareness through publications, advertisements, posters, or by any other means of communication and information booklets accompanying the equipment, with regard to the following:
 - (i) information on hazardous constituents in e-waste electrical and electronic equipment;
 - (ii) information on hazards of improper handling, accidental breakage, damage and/or improper recycling of e-waste;
 - (iii) instructions for handling the equipment after its use, along with the Do's and Don'ts;
 - (iv) affixing the symbol given below on the products to prevent e-waste from being dropped in garbage bins containing waste destined for disposal;



- (7) obtaining an authorization from the concerned State Pollution Control Board or Pollution Control Committee in accordance with the procedures prescribed under rule-11;
- (8) maintaining records in Form 2 of the e-waste handled Such records should be available for scrutiny by the appropriate authority.

- (9) filing annual returns in Form 3, to the concerned State Pollution Control Board or Pollution Control Committee, on or before the 30th day of June following to the financial year to which that return relates.

5. Responsibilities of distributors. –

- (1) Every distributor shall be responsible to collect the e-waste by providing the consumer(s) a box, bin or a demarcated area to deposit e-waste.
- (2) Every distributor shall make an application in Form 4 to the concerned State Pollution Control Boards or Pollution Control Committees for grant of one time registration;
 - (a) the State Pollution Control Boards or Pollution Control Committees shall register the distributor on a one time basis and registration would be considered as deemed if not objected to within a period of 60 days.
 - (b) the registered distributor shall be required to submit details of e-waste collected to the concerned State Pollution Control Board or Pollution Control Committees on yearly basis and registration would be liable for cancellation on failure to furnish these details to the State Pollution Control Boards or Pollution Control Committees:

Provided that the registration granted to the distributor shall not be cancelled unless he has been given a reasonable opportunity of hearing.

- (3) Every distributor shall ensure that the e-waste thus collected is safely transported back to the producer or to authorized collection centre as the case may be.
- (4) Every distributor shall file annual returns in Form 3 to the concerned State Pollution Control Board or Pollution Control Committee, on or before the 30th day of June following to the financial year to which that return relates.
- (5) Every distributor shall maintain records of the e-waste handled in Form 2 and such records should be available for scrutiny by the appropriate authority.

6. Responsibilities of refurbisher. –

- (1) Every refurbisher shall collect e-waste generated during the process of refurbishing and channelized the waste to producer or authorized collection center or dismantler or recycler.
- (2) Every refurbisher shall make an application in Form 4 to the concerned State Pollution Control Boards or Pollution Control Committees for grant of one time registration;
 - (a) the State Pollution Control Boards or Pollution Control Committees shall register the refurbisher on a one time basis and registration would be considered as deemed if not objected to within a period of 60 days.
 - (b) the registered refurbisher shall be required to submit details of e-waste generated to the concerned State Pollution Control Board or Pollution Control Committees on yearly basis and registration would be liable for cancellation on failure to furnish these details to the State Pollution Control Boards or Pollution Control Committees:

Provided that the registration granted to the refurbisher shall not be cancelled unless he has been given a reasonable opportunity of hearing.

- (3) Every refurbisher shall file annual returns in Form 3 to the concerned State Pollution Control Board or Pollution Control Committee, on or before the 30th day of June following to the financial year to which that return relates.
 - (4) Every refurbisher shall maintain records of the e-waste handled in Form 2 and such records should be available for scrutiny by the appropriate authority.
7. **Responsibilities of collection centers** – Any person(s) operating collection centre(s) individually or collectively shall,-
- (1) obtain an authorization in accordance with the procedures prescribed under Rule -11 from the concerned State Pollution Control Board or Pollution Control Committee as the case may be and provide details such as address, telephone numbers/helpline number, e-mail, etc. of such collection centre(s) to the general public.
 - (2) ensure that the e-waste collected by them are stored in a secured manner till these are sent to producer(s) or refurbisher or registered dismantler(s) or recycler(s) as the case may be;
 - (3) ensure that no damage is caused to the environment during storage and transportation of e-waste; and
 - (4) file annual returns in Form 3, to the concerned State Pollution Control Board or Pollution Control Committee on or before the 30th day of June following to the financial year to which that return relates.
 - (5) maintain records of the e-waste handled in Form 2 and such records should be available for scrutiny by the appropriate authority.
8. **Responsibilities of consumer or bulk consumer.** –
- (1) Consumers of electrical and electronic equipment shall ensure that e-waste are deposited with the distributor or authorized collection centers.
 - (2) Bulk consumers of electrical and electronic equipment shall ensure that e-waste are channelized to distributor or authorized collection centers or refurbisher or registered dismantler or recyclers or avail the pick-up or take back services provided by the producers; and
 - (3) Bulk consumers shall file annual returns in Form 3, to the concerned State Pollution Control Board or Pollution Control Committee on or before the 30th day of June following to the financial year to which that return relates.
9. **Responsibilities of dismantler** – Every dismantler shall,-
- (1) obtain registration from the State Pollution Control Board in accordance with the procedures prescribed under the rule -13.
 - (2) ensure that no damage is caused to the environment during storage and transportation of e-waste;
 - (3) ensure that the dismantling processes do not have any adverse effect on the health and the environment;
 - (4) ensure that the facility and dismantling processes are in accordance with the standards or guidelines published by the Central Pollution Control Board from time to time; and
 - (5) ensure that dismantled e-waste are segregated and sent to the registered recycling facilities for recovery of materials;
 - (6) ensure that non-recyclable/non-recoverable components are sent to authorized treatment storage and disposal facilities.

- (7) file a return in Form 3, to the State Pollution Control Board/Committee of Union Territories as the case may be, on or before 30th June following to the financial year to which that return relates.
 - (8) not process any e-waste for recovery or refining of materials, unless he is registered with State Pollution Control Board as the recycler for refining and recovery of materials.
10. **Responsibilities of recycler/ reprocessor** – Every recycler shall
- (1) obtain registration from State Pollution Control Board in accordance with the procedures prescribed under Rule -13.
 - (2) ensure that the facility and recycling processes are in accordance with the standards laid down in the guidelines published by the Central Pollution Control Board from time to time;
 - (3) make available all records to the Central or State Pollution Control Board/ Committee of Union Territories for inspection;
 - (4) ensure that residue generated thereof is disposed of in a hazardous waste treatment storage disposal facility;
 - (5) file annual returns in Form 3, to the State Pollution Control Board or Committee of the UT as the case may be, on or before 30th June following to the financial year to which that returns relate.

CHAPTER III

PROCEDURE FOR SEEKING AUTHORIZATION AND REGISTRATION FOR HANDLING E-WASTES

11. **Procedure for grant of authorization.**–
- (1) Every producer, collection centre, dismantler and recycler of e-waste shall require to obtain an authorization from the concerned State Pollution Control Board or Pollution Control Committee of Union Territories as the case may be.
 - (2) Every producer, collection centre, dismantler and recycler of e-waste shall make an application, within a period of three months starting from the date of commencement of these rules, in Form 1 to the State Pollution Control Board or the Pollution Control Committee for grant of authorization;
Provided that any person authorised under the provisions of the Hazardous Wastes (Management, Handling and Transboundary Movements) Rules, 2008, prior to the date of coming into force of these rules shall not require to make an application for authorization till the period of expiry of such authorization;
Provided further that a recycler of e-waste who has not been authorised under the provisions of the Hazardous Waste (management, Handling and Transboundary Movements) Rules, 2008, shall require to follow the procedure mentioned in sub rule (1) above.
 - (3) On receipt of the application complete in all respects for the authorization, the State Pollution Control Board or Pollution Control Committee of Union Territories may, after such enquiry as it considers necessary and on being satisfied that the applicant possesses appropriate facilities, technical capabilities and equipment to handle e-waste safely, grant within a period of one hundred and twenty days an authorization in Form-1(a) to the applicant to

carry out safe operations in the authorized place only, which shall be valid for a period of five years.

- (4) The State Pollution Control Board or Pollution Control Committee of the Union Territories after giving reasonable opportunity of being heard to the applicant shall refuse to grant any authorization.
- (5) Every person authorized under these rules shall maintain the record of e-waste handled by them in Form-2 and prepare and submit to the State Pollution Control Board or Pollution Control Committee, an annual return containing the details specified in Form 3 on or before 30th day of June following to the financial year to which that return relates.
- (6) An application for the renewal of an authorization shall be made in Form-1 at least two months (sixty days) before its expiry and the State Pollution Control Board or Pollution Control Committee may renew the authorization after examining each case on merit and subject to the condition that there is no report of violation of the provisions of the Act or the rules made there under or the conditions specified in the authorization.
- (7) Every producer, collection centre, dismantler and recycler shall take all steps, wherever required, to comply the conditions specified in the authorization.
- (8) The State Pollution Control Board in case of a respective State or the Pollution Control Committee in case of Union Territories shall maintain a register containing particulars of the conditions imposed under these rules for environmentally sound management of e-waste, and it shall be open for inspection during office hours to any person interested or affected or a person authorized by him on his behalf.

12. Power to suspend or cancel an authorization.-

- (1) The State Pollution Control Board or Pollution Control Committee of the Union Territories may, if in its opinion, the holders of the authorization has failed to comply with any of the conditions of the authorization or with any provisions of the Act or these rules and after giving a reasonable opportunity of being heard and after recording reasons thereof in writing cancel or suspend the authorization issued under these rules for such period as it considers necessary in the public interest.
- (2) Upon suspension or cancellation of the authorization, the State Pollution Control Board or Pollution Control Committee of the Union Territories may give directions to the persons whose authorization has been suspended or cancelled for the safe storage of the e-waste and such person shall comply with such directions.

PROCEDURE FOR REGISTRATION WITH STATE POLLUTION CONTROL BOARD

13. Procedure for grant registration. –

- (1) Every dismantler or recycler of e-waste shall make an application, within a period of three months starting from the date of commencement of these rules, in Form-5 in triplicate to the Member Secretary of the State Pollution Control Board enclosing accompanied with a copy of the following documents for the grant or renewal of registration:-

- (i) consent to establish granted by the State Pollution Control Board under Water (Prevention and Control of Pollution) Act, 1974, (25 of 1974) and Air (Prevention and Control of Pollution) Act, 1981(21 of 1981);
- (ii) certificate of registration issued by the District Industries Centre or any other government agency authorized in this regard;
- (iii) proof of installed capacity of plant and machinery issued by the District Industries Centre or any other government agency authorized in this behalf
- (iv) in case of renewal, a certificate of compliance of effluent and emission standards, treatment and disposal of hazardous wastes as applicable from the State Pollution Control Board or Committee of the UT or any other agency designated for this purpose; and

Provided that any person registered under the provisions of the Hazardous Wastes (Management, Handling and Transboundary Movements) Rules, 2008, prior to the date of coming into force of these rules shall not require to make an application for registration till the period of expiry of such registration;

Provided further that a recycler of e-waste who has not been registered under the provisions of the Hazardous Waste (management, Handling and Transboundary Movements) Rules, 2008, shall require to follow the procedure mentioned in sub rule (1) above.

- (2) The State Pollution Control Board, on being satisfied that the application is complete in all respect and that the applicant is utilizing environmentally sound technologies and possess adequate technical capabilities, requisite facilities and equipment to recycle and process e-waste, may grant registration to such applicants stipulating therein necessary conditions as deemed necessary for carrying out safe operations in the authorized place only.
- (3) The State Pollution Control Board shall dispose of the application for registration within a period of ninety days from the date of the receipt of such application complete in all respects.
- (4) The registration granted under these rules shall be valid initially for a period of two years and thereafter for a period of maximum five years on subsequent renewals from the date of its issue, unless the operation is discontinued by the unit or the registration suspended or cancelled by the State Pollution Control Board.
- (5) The State Pollution Control Board may after giving reasonable opportunity of being heard to the applicant, by order, refuse to grant or renew.
- (6) The State Pollution Control Board shall monitor the compliance of conditions stipulated for granting registration.
- (7) The State Pollution Control Board may cancel or suspend a registration granted under these rules, if it has reasons to believe that the registered recycler has failed to comply with any of the conditions of registration, or with any provisions of the Act or rules made there under, after giving an opportunity to the recycler to be heard and after recording the reasons there for.
- (8) An application for the renewal of registration shall be made in Form-5 at least two months (sixty days) before its expiry and the State Pollution

Control Board or Pollution Control Committee may renew the registration after examining each case on merit and subject to the condition that there is no report of violation of the provisions of the Act or the rules made there under or the conditions specified in the registration.

- (9) The dismantler or recycler shall maintain records of the e-waste purchased and processed and shall file annual returns of its activities of previous year in Form 3 to the State Pollution Control Board or Pollution Control Committee on or before 30th day of June of every year
- (10) The Central Government and the Central Pollution Control Board may issue guidelines for standards of performance for recycling processes from time to time.

CHAPTER IV

14. Procedure for storage of e-waste.-

- (1) Every producer, distributor, collection centre, refurbisher, dismantler or recyclers may store the e-waste for a period not exceeding one hundred and twenty days and shall maintain a record of collection, sale, transfer, storage and segregation of wastes and make these records available for inspection:

Provided that the State Pollution Control Board may extend the said period in following cases, namely:

- (i). Dismantlers and Recyclers up to six months of their annual capacity; or
- (ii). Collection centers who do not have access to any registered dismantling or recycling facility in the concerned state; or
- (iii). The waste which needs to be specifically stored for development of a process for its recycling, reuse.

CHAPTER V

REDUCTION IN THE USE OF HAZARDOUS SUBSTANCES (RoHS) IN THE MANUFACTURE OF ELECTRICAL AND ELECTRONIC EQUIPMENT

15. Reduction in the use of hazardous materials in the manufacture of electrical and electronic equipment.–

- (1) Every producer of electrical and electronic equipment shall ensure that, new electrical and electronic equipment does not contain Lead, Mercury, Cadmium, Hexavalent Chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).
- (2) The rule 15(1) shall not apply to applications listed in Schedule-II. Such reduction in use of hazardous substances in electrical and electronic equipment shall be achieved within a period of three years from the date of commencement of these rules.
- (3) In the event of such reduction in the hazardous materials used in the electrical and electronic equipment, the detailed information on the constituents of the equipment shall be provided in the product information booklet.

- (4) Imports or placement in the market for electrical and electronic equipment shall only be permitted for those which are RoHS compliant.

CHAPTER VI

MISCELLANEOUS

16. Every producer(s), distributor (s) collection centre(s), refurbisher(s), dismantler(s), recycler(s), consumer(s) or bulk consumer(s) shall not import used electrical and electronic equipment or components in India for use unless it is imported for the purpose of repair or refurbishment or to fulfill obligations under EPR. Such imports shall be governed as per Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008.
17. **Duties of Authorities.-** subject to the other provisions of these rules, the authority shall perform duties as specified in Schedule-III.
18. **Annual Report.-**
- (1) The State Boards and the Committees shall prepare and submit to the Central Pollution Control Board an annual report with regard to the implementation of these rules by the 30th September every year in Form 6.
 - (2) The Central Pollution Control Board shall prepare the consolidated annual review report on management of e-waste and forward it to the Central Government along with its recommendations before the 30th December every year.
19. **Transportation of e-waste. –**
- (1) The transportation of e-waste, when these are intact, shall be like any other electrical and electronic equipment.
 - (2) In case of transportation of e-waste for final disposal to a facility existing in a State other than the State where the waste is generated/collected, the transporter shall obtain 'No Objection Certificate' from the concerned State Pollution Control Board and shall intimate the State Pollution Control Board of State of transit.
 - (3) In case of transportation of e-waste for dismantling or for recycling in a State other than the State where the waste is generated /collected, the transporter shall intimate the concerned State Pollution Control Boards beforehand and the State Pollution Control Boards of the State of transit.
20. **Accident reporting and follow-up.-** where an accident occurs at the facility processing e-waste or during transportation of e-waste, the producer, transporter, dismantler, refurbisher or recycler, as the case may be, shall report immediately to the State Pollution Control Boards/Committees of Union Territories about the accident.
21. The collection, storage, transportation, segregation, refurbishment, dismantling recycling and disposal of e-waste shall be in accordance with the

procedures prescribed in the guidelines published by the Central Pollution Control Boards from time to time.

22. Appeal. –

- (1) Any person aggrieved by an order of suspension or cancellation or refusal of authorization or registration or their renewal passed by the State Pollution Control Board or Pollution Control Committee, may within a period of thirty days from the date on which the order is communicated to him, prefer an appeal in Form 7 to the Appellate Authority comprising of the Environment Secretary of the State.
- (2) The appellate Authority may entertain the appeal after the expiry of the said period of thirty days if it is satisfied that the appellant was prevented by sufficient cause from filing the appeal in time.
- (3) Every appeal filed under this rule shall be disposed of within a period of sixty days from the date of its filling.

SCHEDULE-I

(see rule 3(k) (l))

A. CATEGORIES OF E-WASTE covered under the rules

Sr. No.	E-waste Categories
i.	<p>IT and telecommunication equipment : Centralised data processing: Mainframes, Minicomputers Personal computing: Personal Computers (CPU with input and output devices) Laptop (CPU with input and output devices) Notebook, Notepad etc., Printers including cartridges Copying equipment Electrical and electronic typewriters Pocket and desk calculators And other products and equipment for the collection, storage, processing, presentation or communication of information by electronic means User terminals and systems Facsimile Telex Telephones Pay telephones Cordless telephones Cellular telephones Answering systems And other products or equipment of transmitting sound, images or other information by telecommunications</p>
ii.	<p>Consumer electrical and electronics: Television sets (including LCD & LED), Refrigerator, Washing Machine, Air-conditioners</p>

SCHEDULE-II
[See rule 15(2)]

Applications, which are exempted from the requirements of rule 15 (1)

1. Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
2. Lead as an alloying element in steel containing up to 0.35% lead by weight, aluminum containing up to 0.4% lead by weight and a copper alloy containing up to 4% lead by weight.
3. Lead in high melting temperature type solders (i.e. lead based alloys alloys containing more than 85% lead by weight or more lead).
 - a. Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunication.
 - b. Lead in electronic ceramic parts (e.g. piezo-electronic devices).
4. Cadmium and compounds in electrical contacts and cadmium plating
5. Hexavalent chromium as an anti-corrosion of the carbon steel cooling system in absorption refrigerators.
6. Lead used in compliant pin connector systems.
7. Lead as a coating material for the thermal conduction module c-ring.
8. Lead and cadmium in optical and filter glass.
9. Lead in solders consisting of more than two elements for the connections between the pins and package of microprocessors with a lead content of more than 80 % and less than 85 % by weight.
10. Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip Packages.'
11. Lead and cadmium in printing inks for the application of enamels on borosilicate glass.
12. Lead as impurity in RIG (rare earth iron garnet) Faraday rotators used for fiber optic communications systems.
13. Lead in finishes of the fine pitch components other than connectors with a pitch of 0.65 mm or less with Ni-Fe lead frames and lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm or less with copper lead frames.
14. Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors.
15. Lead oxide in plasma display panels (PDP) and surface conduction electron emitter displays (SED) used in structural elements; notably in the front and rear glass dielectric layer, the bus electrode, the black strip, the address electrode, the barrier ribs, the seal frit and frit ring as well as in print pastes.
16. Lead alloys as solder for transducers used in high-powered (designated operate for several hours at acoustic power levels of 125 dB SPL and above) loudspeakers.
17. Lead bound in crystal glass.
18. Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more.
19. Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes.'
20. Lead in solders for the soldering of thin copper wires of 100 um diameter and less in power transformers.
21. Lead in cermet-based trimmer potentiometer elements.

22. Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body.

23. Cadmium and cadmium oxide in thick film pastes uses on aluminum bonded beryllium oxide.

SCHEDULE III

[See rule 17]

LIST AUTHORITIES AND CORRESPONDING DUTIES

SI No	AUTHORITY	CORRESPONDING DUTIES
1.	Central Pollution Control Board (CPCB) Delhi	<ul style="list-style-type: none"> (i) Coordination with State Pollution Control Boards/ Committees of UT (ii) Preparation of Guidelines for Environmentally Sound Management of e-waste (iii) Conduct assessment of e-waste generation and processing (iv) Recommend standards and specifications for processing and recycling e-waste (v) Documentation, compilation of data on e-waste and uploading on websites of CPCB (vi) Conducting training & awareness programmes (vii) Submit Annual Report to the Ministry (viii) Any other function delegated by the Ministry under these rules (ix) Enforcement of reduction in use of hazardous substances(RoHS) (x) Initiatives for IT industry for reducing hazardous substances, RoHS compliance (xi) Set targets for RoHS compliance (xii) Incentives and certification for green design/products
2.	State Pollution Control Boards/Committees of UT	<ul style="list-style-type: none"> (i) Inventorization of e-waste. (ii) Grant & renewal of Authorization (iii) Registration of recyclers of e-waste (iv) Monitoring compliance of authorization and registration conditions (v) Maintain information on the conditions imposed for authorization etc. (vi) Implementation of programmes to encourage environmentally sound recycling (vii) Action against violations of these rules (viii) Any other function delegated by the Ministry under these rules

FORM – 1

[See rule 11(2)]

**APPLICATION FOR OBTAINING AUTHORIZATION FOR GENERATION/
COLLECTION/ TRANSPORT/STORAGE/DISMANTLING/RECYCLING/ DISPOSAL
OF e-WASTE***

From:

.....

To

The Member Secretary,

..... Pollution Control Board,..... Pollution Control Committee

.....

.....

Sir,

I / We hereby apply for authorization/renewal of authorization under rule 11(2) and 11(6) of the E-wastes (Management and Handling) Rules, 2010 for collection/ storage/ transport/treatment/disposal of e-wastes.

For Office Use Only

Code No. :

Whether the unit is situated in a critically polluted area as identified by Ministry of Environment and Forests (yes/no);

To be filled in by Applicant

Part – A: General

1. (a) Name and full address, telephone nos. e-mail and other contact details of the unit :

(b) Authorization required for (Please tick mark appropriate activity/ies*)

(i) Generation*

(ii) Collection*

(iii) Dismantling*

(iv) Recycling*

(c) In case of renewal of authorization previous authorization no. and date

2. (a) Whether the unit is generating or processing e-waste as defined in the E-wastes (Management and Handling) Rules, 2010:

(i) generating*

(ii) processing*

*delete whichever is not applicable

3. (a) Total capital invested on the project :
- (b) Year of commencement of production:
- (c) Date of grant of the Consent to Establish:
- (d) Date of grant of the Consent to Operate:

Part – B: e-waste

4. E-waste details:

(a)	Type of e-wastes generated as defined under the E-wastes (M&H)Rules, 2010:	
(b)	Total Quantity e-waste handled generated/collected/dismantled/ recycled :	
(c)	Mode of storage within the plant :	
(d)	Method of treatment and disposal :	
(e)	Installed capacity of the plant :	

Part – C : Dismantling and Recycling Facility**

5. Detailed proposal of the facility (to be attached) to include:
 - (i) Location of site (provide map).
 - (ii) Details of processing technology
 - (i) Type and Quantity of waste to be processed per day
 - (iv) Site clearance (from local authority, if any)
 - (v) Utilization of the e-waste processed
 - (vi) Method of disposal of residues (details to be given)
 - (vii) Quantity of waste to be processed or disposed per day
 - (viii) Details of categories of e-waste to be dismantled/processed
 - (ix) Methodology and operational details
 - (x) Measures to be taken for prevention and control of environmental pollution including treatment of leachates
 - (xii) Investment on Project and expected returns
 - (xiii) Measures to be taken for safety of workers working in the plant

Place : _____

Signature _____

(Name _____)

Date : _____

Designation : _____

FORM 1(a)

[See rule 11(3)]

**FORM FOR GRANTING AUTHORIZATION FOR GENERATION/COLLECTION/
TRANSPORTATION/STORAGE/REFURBISHMENT/DISMANTLING/
RECYCLING/DISPOSAL OF e-WASTE***

1. (a) Authorization and (b) date of issue
2.of.....is hereby granted an authorization for generation, collection, storage, transport, refurbishment, dismantling, recycling and disposal of e-waste on the premises situated at.....
3. The authorization granted for generation, collection, storage, transport, dismantling, recycling and disposal of e-wastes.
4. The authorization shall be in force for a period fromto
5. The authorization is subject to the conditions stated below and such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.

Signature-----

Designation -----

Date: -----

Terms and conditions of authorization

1. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board or Committee of UT.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the e-wastes without obtaining prior permission of the State Pollution Control Board or Committee of UT.
4. Any unauthorized change in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. It is the duty of the authorized person to take prior permission of the State Pollution Control Board or Committee of UT to close down the operations.
6. An application for the renewal of an authorization shall be made as laid down in rule 11 (6).

FORM – 2

[See rule 4(8), 5(5), 6(4), 7(6), 11(5) and 13(8)]

FORM FOR MAINTAINING RECORDS OF e-WASTE HANDLED

Quantity in Metric Tonnes (MT) or Kilograms (Kg) annually

1.	Name & Address: Producer /Collection Centre/Dismantler/ Recycler *		
2.	Date of Issue of Authorization* Registration *		
3.	Validity of Authorization* /Registration*		
4.	Types & Quantity of e- waste handled	Category	Quantity
		Item Description	
5.	Types & Quantity of e-waste stored	Category	Quantity
		Item Description	
7.	Types & Quantity of e-waste transported*	Category	Quantity
		Quantity	
	Name, address and contact details of the destination		
8.	Types & Quantity of e-waste refurbished*	Category	Quantity
		Item Description	
	Name, address and contact details of the destination of refurbished materials		
9.	Types & Quantity of e-waste dismantled*	Category	Quantity
		Item Description	
	Name, address and contact details of the destination		
10.	Types & Quantity of e-waste recycled*	Category	Quantity
		Item Description	
		Quantity	
	Name, address and contact details of the destination		
11.	Types & Quantity of waste treated & disposed	Cat	Quantity
		Item Description	

* Delete whichever is not applicable

FORM – 3

[See rule 4(9), 5(4), 6(3), 7(4), 9(7), 10(5), 11(5) and 13(9)]

**FORM FOR FILING ANNUAL RETURNS OF SALE, COLLECTION,
DISMANTLING & RECYCLING OF e-WASTE**

[To be submitted by producer/collection centre/distributor/refurbisher/dismantler/
/recycler by 30th June following to the financial year to which that return relates].

Quantity in Metric Tonnes (MT) or Kilograms (Kg) annually

1	Name and address of the producer/distributor/ collection centre/ refurbisher/ dismantler/ recycler		
2	Name of the authorized person and complete address with telephone and fax numbers and e-mail address		
3✓	Total quantity e-waste sold/purchased/ sent for processing during the year for each category of e-waste listed in the Schedule (Attach list)		
	Details of the above	TYPE	QUANTITY
3(A)*	DISTRIBUTERS: Quantity of e-waste sold/purchased/sent to:		
3(B)*	BULK CONSUMERS: Quantity of e-waste sold/sent to:		
3(C)*	REFURBISHERS: Quantity of e-waste purchased/sent to:		
3(D)*	DISMANTLERS: Quantity of e-waste in MT purchased & processed and sent to:		
3(E)*	RECYCLERS: Quantity of e-waste in MT purchased/processed:		
4	Name and full address of the destination with respect to 3 (A-E) above		
5	Type and quantity of materials segregated/ recovered from e-waste of different categories as applicable to 3(D) &3(E)	Type	Quantity

Note: The applicant shall provide details of funds received (if any) from producers and its utility with an audited certificate

✓ enclose the list of recyclers to whom e-waste have been sent for recycling.

* delete whichever is not applicable

Place _____

Date _____

Signature of the authorized person

Form 4
[See rule 5(2) and 6(2)]

FORM FOR REGISTRATION OF DISTRIBUTERS AND REFURBISHERS

[To be submitted to the State Pollution Control Boards/Pollution Control Committees]

1	Name and Address of the Trader with Telephone and Fax Numbers (With proof):
2	TIN/VAT Number/Import Export Code :
3	Category wise description of the e-waste collected:
4	Details of disposal of e-waste collected, if any:

Signature of the authorized person.

Place

Date.....

FORM - 5
[see rule 13(1)]

APPLICATION FORM FOR REGISTRATION OF FACILITIES POSSESSING ENVIRONMENTALLY SOUND MANAGEMENT PRACTICE FOR RECYCLING e-WASTE

(To be submitted in triplicate)

1.	Name and Address of the unit			
2.	Contact person with designation, Tel./Fax			
3.	Date of Commissioning			
4.	No. of workers (including contract labour)			
5.	Consents Validity	a. Water (Prevention & Control of Pollution) Act, 1974; Valid up to _____ b. Air (Prevention & Control of Pollution) Act, 1981; Valid up to _____		
6.	Authorization validity	E-wastes (Management and Handling) Rules, 2010; Valid up to _____		
7.	Manufacturing Process	Please attach manufacturing process flow diagram for each product(s)		
8.	Products and Installed capacity of production in (MTA)	Products	Installed capacity (mta)	
9.	Products manufactured during the last three years (as applicable)	Year	Product	Quantity
10.	Raw material consumption during the last three years (as applicable)	Year	Product	Quantity
11.	Water consumption	Industrial _____ m ³ /day Domestic _____ m ³ / day		
	Water Cess paid up to (if applicable)			
	Waste water generation as per consent _____ m ³ /day	Actual (avg., of last 3 months) Industrial _____ m ³ /day Domestic _____ m ³ /day		
	Waste water treatment (provide flow diagram of the treatment scheme)	Industrial _____ Domestic _____		
	Waste water discharge	Quantity _____ m ³ /day Location _____ Analysis of treated waste water for pH, BOD,COD, SS, O&G, any other parameter stipulated by SPCB/SPCC		

		(attach details)			
12.	Air Pollution Control				
	a. Provide flow diagram for emission control system(s) installed for each process unit, utilities etc.				
	b. Details for facilities provided for control of fugitive emission due to material handling, process, utilities etc				
	c. Fuel consumption	Fuel	Qty per day/month		
		(i)			
		(ii)			
	d. Stack emission monitoring	Stack attached to	Emission (SPM, SO ₂ , NO _x , Pb etc.) mg/Nm ³		
		(i)			
		(ii)			
	e. Ambient air quality	Location Results ug/m ³	Parameters SPM, SO ₂ , NO _x , Pb etc.) µg/m ³		
(i)					
(ii)					
13.	Waste Management:				
	a. Waste generation in processing e-waste	SNo	Type	Category	Qty
	b. Waste Collection and transportation (attach details)				
	c. Provide details of disposal of residue.	SNo	Type	Category	Qty
	d. Name of TSDF utilized for				
e. Please attach analysis report of characterization of hazardous waste generated (including leachate test if applicable)					
14.	Details of e-waste proposed to be procured through sale, contract or import, as the case may be, for use as raw material	(i) Name			
		(ii) Quantity required /year			
		(iii) Basel Convention Number			
15.	Occupational safety and health aspects	Please provide details of facilities			

16.	Remarks:	
	Whether industry has provided adequate pollution control system / equipment to meet the standards of emission / effluent.	Yes/No If Yes, please furnish details
	Whether industry is in compliance with conditions laid down in the Authorization	Yes / No
17.	Any Other Information of relevance: i) ii)	

I hereby declare that the above statements /information are true and correct to the best of my knowledge and belief.

Signature

Date: _____

Name: _____

Place: _____

Designation: _____

Form - 6
[see rule 18]

FORM FOR ANNUAL REPORT TO BE SUBMITTED BY THE STATE POLLUTION CONTROL BOARD/COMMITTEES TO THE CENTRAL POLLUTION CONTROL BOARD

To,
The Chairman,
Central Pollution Control Board,
(Ministry of Environment And Forests)
Government Of India,
'Parivesh Bhawan', East Arjun Nagar,
Delhi- 110 0032

1. Name of the State/Union territory :
2. Name & address of the State Pollution Control Board / Committee :
3. Number of authorised/ registered Producers, Distributers, Refurbishers, Collection Centres, Dismantler and Recyclers for management of e-waste in the State/Union territory under these rules :
4. Categories of waste collected along with their quantities on a monthly average basis: : Please attach as Annexure-I
5. A Summary Statement on Category wise and product wise quantity of e-waste collected : Please attach as Annexure-II
6. Mode of treatment with details : Please attach as Annexure-III
7. Brief details of refurbishing, dismantling and recycling facilities : Please attach as Annexure-IV
8. Any other information :
9. Certified that the above report is for the period from
.....

Date: _____
Place : _____

Chairman or the Member Secretary
State Pollution Control Board/
Pollution Control Committee

Form - 7
[see rule 22]

**FORM FOR APPLICATION FOR FILING APPEAL
AGAINST THE ORDER PASSED BY SPCB/PCC OF THE UNION TERRITORY**

1. Name and address of the person making the :
appeal
2. Number, date of order and address of the : (certified copy of the order be
authority to which passed the order, against attached)
which appeal is being made
3. Ground on which the appeal is being made :
4. Relief sought for :
5. List of enclosures other than the order :
referred in para 2 against which the appeal
is being filed

Signature.....

Date:

Name and address

(Rajiv Gauba)

Joint Secretary to Government of India

(F No. 23-71/2009-HSMD)
