

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

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE**

NOTIFICATION

NEW DELHI, 10th June, 2015

G.S.R. 472(E) . - -. The following draft rules which the Central Government proposes to make, in exercise of the powers conferred by sections 6, 8 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), in supersession of the e-waste (Management and Handling) Rules, 2011, published in the Gazette of India, Part II, Section 3, Sub-section 3(ii), vide number S.O.1035(E) dated the 12th May 2011, except as respects things done or omitted to be done before such supersession is hereby published as required under sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986 for the information of the public likely to be affected thereby and notice is hereby given that the said notification will be taken into consideration by the Central Government on or after the expiry of sixty days from the date on which copies of this notification as published in the Gazette of India are made available to the public;

Any person interested in making any objection or suggestion on the proposals contained in the draft notification may do so in writing within the period so specified through post to the Secretary, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi-110003 or electronically at email address: bnsinha@gov.in, shruti.rai@nic.in.

Draft rules

1. **Short title-** These rules may be called the e-waste (Management) Rules, 2015.
2. **Application.-** These rules shall apply to every manufacturer, producer, consumer, bulk consumer, collection centres, dealers, refurbishers, dismantler and recycler involved in manufacture, sale, transfer, purchase, collection, storage and processing of e-waste or electrical and electronic equipment (EEE) listed in Schedule 1, including their components, **consumables** and spare parts which make the product operational and shall not apply to-
 - (a) Batteries as covered under the Batteries (Management and Handling) Rules, 2001 made under the Act;
 - (b) Radioactive wastes as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made thereunder.

3. **Definitions.**-(1) 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 rule 12;
 - (c) 'bulk consumer' means bulk users of electrical and electronic equipment such as Central Government or State Government Departments, public sector undertakings, banks, educational institutions, multinational organizations, international agencies and private companies that are registered under the Factories Act, 1948 (63 of 1948) and Companies Act, 2013 (18 of 2013) and Health Care Facilities which has turnover of more than one crore or has more than twenty employees;
 - (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 by Producer individually or as association to collect e-waste, or the dealers which play such role and which is indicated in the authorisation for Extended Producer Responsibility granted to the Producer and having facilities as per the guidelines made by Central Pollution Control Board;
 - (f) 'consumer' means any person using electrical and electronic equipment excluding the bulk consumers;
 - (g) 'Channelisation' means to direct the path for movement of e-wastes after collection to registered dismantler or recycler;
 - (h) 'dealer' means any individual or firm that buys or receive electrical and electronic equipment as listed in Schedule -I of these rules and their peripherals from a producer or producers for sale or wholesale and/or retail selling to individual or bulk consumer;
 - (i) 'dismantler' means any person or registered society or a designated agency or a company or an association engaged in dismantling of used electrical and electronic equipment into their components and having facilities as per the guidelines made by Central Pollution Control Board;
 - (j) 'disposal' means any operation which does not lead to recycling, recovery or reuse and includes physico-chemical or biological treatment, incineration and deposition in secured landfill;

- (k) '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;
- (l) 'electrical and electronic equipment' means equipment which is dependent on electric currents or electro-magnetic fields to be fully functional;
- (m) 'e-waste' means waste electrical and electronic equipment whole or in part or rejects from their manufacturing, refurbishment and repair process which are intended to be discarded as waste;
- (n) 'e-waste exchange' is an independent market instrument offering assistance or independent electronic systems offering services for sale and purchase of e-waste generated from end of life electrical and electronic equipment and which is regulated by government as prescribed.
- (o) '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;
- (p) 'EPR-Authorisation' means a permission given by Central Pollution Control Board or State Pollution Control Board to a producer, for managing Extended Producer Responsibility with State specific implementation plans and targets outlined in such authorization including detail of Producer Responsibility Organisation (PRO), if applicable;
- (q) 'EPR management' means setting up an effective e-waste channelisation system comprising of setting up collection centers, implementing take back system, agreements with registered dismantler or recycler either individually or collectively or through a Producer Responsibility Organization (PRO) authorised by producer or producers;
- (r) '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;
- (s) 'Form' means form appended to these rules;
- (t) 'historical e-waste' means e-waste generated from electrical and electronic equipment as specified in Schedule-I, which was available on the date from which these rules come into force;

- (u) 'manufacturer' means a person or an entity or a company as in the Companies Act, 2013 (18 of 2013) or a factory as in the Factories Act, 1948 (63 of 1948) which has facilities for manufacture of EEE;
- (v) 'orphaned products' means non branded or assembled electrical and electronic equipment as specified in Schedule I or those produced by a company, which has closed its operations or has stopped product support;
- (w) 'Producer' means any person who, irrespective of the selling technique used;
 - i. manufactures and offers to sell electrical and electronic equipment under his own brand; or\
 - ii. offers to sell under his own brand, assembled electrical and electronic equipment produced by other manufacturers or suppliers; or
 - iii. offers to sell imported electrical and electronic equipment;
- (x) 'Producer Responsibility Organisation' means *a professional organisation authorised or financed collectively by Producers or independently or on public private partnership platform which can take the responsibility of group of producers for collection and channelisation of e-waste generated from the 'end of life' of their products or 'end of life' products to ensure environmentally sound management of such waste thus acting as an e-waste exchange system;*
- (y) 'recycler' - means any person who is engaged in recycling or reprocessing of used electrical and electronic equipment or assemblies or their component and having facilities as elaborated in the guidelines made by Central Pollution Control Board;
- (z) 'Refurbishment' means repairing of used electrical and electronic equipment as listed in Schedule – I for extending its working life for its originally intended use and selling the same in the market or returning to owner;
- (aa) 'refurbisher' means any person who is engaged in refurbishment;
- (bb) 'Schedule' means the Schedule appended to these rules;
- (cc) 'State Government in relation to an Union territory means, the Administrator thereof appointed under article 239 of the Constitution;
- (dd) '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 (6g of 1974);

- (ee) 'State Specific EPR Plan' means a State specific plan submitted by a producer to Central Pollution Control Board or State Pollution Control Board, as the case may be, at the time of applying for EPR-Authorisation in which a producer will provide State wise details of e-waste channelisation systems including detail of Producer Responsibility Organisation, if applicable;
- (ff) 'transporter' means a person engaged in the off-site transportation of e-waste by air, rail, road or water;
- (gg) 'White -goods' means consumer electrical and electronics such as Television sets (including sets based on liquid crystal display and light emitting diode technology), Refrigerators, Washing machine, Air-conditioners excluding centralised air conditioning plants.

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

CHAPTER II

RESPONSIBILITIES

4. Responsibilities of the Producer.—The producer of electrical and electronic equipment listed in Schedule-I shall be responsible for:-

- (1) Implementing the Extended Producers Responsibility with the following framework; namely:-
 - (a) Collection and channelisation of e-waste generated from the 'end of life' of their products or 'end of life' products with same electrical and electronic equipment code that of their products placed in the market in line with the principle of 'Extended Producer Responsibility' (EPR);
 - (b) the producer shall opt to implement Extended Producer Responsibility individually or collectively. In individual producer responsibility, producer may set up his own collection centers. In collective system, producers may tie-up as a member with a Producer Responsibility Organisation. In any case, individual producer shall seek EPR-Authorisation from Central Pollution Control Board or State Pollution Control Board, as the case may be, in accordance with the Form 1 and the procedure laid down in Rule-12(1);
 - (c) the mechanism for channelisation of e-waste from 'end of life' products to registered dismantler or recyclers can also be routed through e-waste exchange;

- (d) Central Pollution Control Board or State Pollution Control Board shall be issuing the EPR-Authorisation in accordance with Form 1(aa);
- (e) implement take back systems either individually or collectively through Producer Responsibility Organisation;
- (f) providing contact details such as address, telephone numbers or helpline number of collection centers to consumer(s) or bulk consumer(s) so as to facilitate return of used electrical and electronic equipment;
- (g) creating awareness through publications, advertisements, posters, or by any other means of communication and information booklets accompanying the equipment, with regard to-
 - (i) information on hazardous constituents as specified in sub-rule 1 of rule 12 in electrical and electronic equipment;
 - (ii) information on hazards of improper handling, disposal, accidental breakage, damage and/or improper recycling of e-waste;
 - (iii) instructions for handling and disposal of the equipment after its use, along with the Do's and Don'ts;
 - (iv) affixing a visible, legible and indelible symbol given below on the products or information booklets to prevent e-waste from being dropped in garbage bins containing waste destined for disposal;



- (v) means and mechanism available for their consumers to return e-waste for recycling;
- (2) Financing and organising 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 into force. The financing arrangement of such a system shall be transparent. The producer may choose to establish such a system either individually or by joining the collective scheme of Producer Responsibility Organisation. The details of financial incentives given and expenditure made in implementing take back system or channelisation of waste electrical and electronic equipment shall be submitted in annual returns as per Form 3;
 - (3) Implementing the Deposit Refund Scheme wherein a portion of sale price shall be retained by producer and shall be refundable to the consumer once the end of life products is channelised in the prescribed method;

- (4) maintaining records in Form 2 of the e-waste handled and make such records available for scrutiny by the Central Pollution Control Board or the State Pollution Control Board or the Committee concerned;
- (5) Filing annual returns in Form 3, to the Central Pollution Control Board and the State Pollution Control Board or Pollution Control Committee concerned, on or before the 30th day of June following the financial year to which that return relates.

5. Responsibilities of Manufacturer- (1) Collection of e-waste generated during the manufacture of any electrical and electronic equipment and channelising it for recycling or disposal;

- (2) Obtain an authorisation as per Form 1 (a) in accordance with the procedure under sub-rule (2) of rule 12 from the State Pollution Control Board or Pollution Control Committee concerned as the case may be, who will be giving the authorization in accordance with Form 1 (bb);
- (3) Ensure that no damage is caused to the environment during storage and transportation of e-waste;
- (4) Maintain records of the e-waste generated, handled and disposed in Form 2 and make such records available for scrutiny by the State Pollution Control Board or the Pollution Control Committee concerned;
- (5) File annual returns in Form 3, to the State Pollution Control Board or Pollution Control Committee concerned on or before the 30th day of June following the financial year to which that returns relates.

6. Responsibilities of Collection Centers- (1) Ensure that the facilities are in accordance with the standards or guidelines prescribed by the Central Pollution Control Board from time to time;

- (2) The e-waste collected by them is stored in a secured manner till it is sent to registered dismantler or recycler as the case may be;
- (3) Ensure that no damage is caused to the environment during storage and transportation of e-waste;
- (4) Maintain records of the e-waste handled in Form 2 and make such records available for scrutiny by the State Pollution Control Board or the Pollution Control Committee concerned.

7. Responsibilities of dealers – (1) Every dealer shall collect the e-waste by providing the consumer a box, bin or a demarcated area to deposit e-waste, or through take back system on behalf of Producer;

- (2) Every dealer 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 dealer on one time basis and

registration would be deemed as considered if not objected to within a period of thirty days;

- (b) the registered dealer shall 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 dealer shall not be cancelled unless he has been given a reasonable opportunity of hearing.
- (3) Every dealer shall ensure that the e-waste thus collected is safely transported back to the producer or to registered collection centre as the case may be.
- (4) Every dealer 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 dealer shall 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 Refurbisher – (1) Every Refurbisher shall collect e-waste generated during the process of refurbishing and channelise the waste to registered 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 one time basis and registration would be deemed as considered if not objected to within a period of thirty 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 ensure that the e-waste thus collected is safely transported back to authorized collection centre or registered recyclers as the case may be.

- (4) 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.
- (5) 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.

9. Responsibilities of Consumer or Bulk Consumer- (1) Consumers or Bulk Consumers of electrical and electronic equipment listed in Schedule-I shall ensure that e-waste generated by them is channelised to authorised collection center or registered dismantler or recycler or is returned to the pick-up or take back services provided by the producers; and

- (2) Bulk consumers shall maintain records of e-waste generated by them in Form 2 and make such records available for scrutiny by the State Pollution Control Board or the Pollution Control Committee concerned;
- (3) Ensure that such end of life electrical and electronic equipment do not contain radioactive material as covered under the provisions of the Atomic Energy Act 1962(33 of 1962) and rules made there under;
- (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 the financial year to which that returns relates.

10. Responsibilities of Dismantler- (1) The dismantler shall ensure that the facility and dismantling processes are in accordance with the standards or guidelines prescribed by the Central Pollution Control Board from time to time;

- (2) obtain registration from the State Pollution Control Board in accordance with the procedure under the rules 14;
- (3) ensure that no damage is caused to the environment during storage and transportation of e-waste;
- (4) ensure that the dismantling processes do not have any adverse effect on the health and the environment;
- (5) ensure that dismantled e-waste are segregated and sent to the registered recycling facilities for recovery of materials;
- (6) ensure that non-recyclable or 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 or the Pollution Control Committee concerned as the case may be, on or before 30th June following 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 a recycler for refining and recovery of materials.

11. Responsibilities of Recycler. – (1) The Recycler shall ensure that the facility and recycling processes are in accordance with the standards or

guidelines prescribed by the Central Pollution Control Board from time to time;

- (2) obtain registration from State Pollution Control Board in accordance with the procedure under the rules 14;
- (3) make available all records to the Central or State Pollution Control Board or Pollution Control Committee of Union territories for inspection;
- (4) ensure that residue generated thereof and disposed of in an authorised common hazardous waste treatment storage disposal facility;
- (5) file annual returns in Form 3, to the State Pollution Control Board or Pollution Control Committee concerned as the case may be, on or before 30th June following the financial year to which that returns relate.

CHAPTER III

PROCEDURE FOR SEEKING AUTHORISATION AND REGISTRATION FOR HANDLING E-WASTES

12. Procedure for Grant of Authorization.- (1) EPR-Authorisation of Producers-

(i) Every producer of electrical and electronic equipment listed in Schedule-I, shall make an application for EPR-Authorisation within a period of three months starting from the date of commencement of these rules in Form 1 to State Pollution Control Board in case of selling their product in one state or Central Pollution Control Board, in case selling their product in more than one state, for grant of authorisation;

(ii) In case of pan India authorisation, on receipt of the application complete in all respects, a committee constituted by Central Pollution Control Board with the representative members of State Pollution Control Boards or Pollution Control Committees, after evaluating the State specific EPR Plan, after such enquiry as it considers necessary and on being satisfied that the producer has detailed out an effective system to manage Extended Producer Responsibility in the country, shall recommend granting EPR-Authorisation by Central Pollution Control Board, in Form-1(aa) within a period of one hundred and twenty days. The EPR-Authorization shall be valid initially for a period of five years;

(iii) The Central Pollution Control Board or State Pollution Control Board, as the case may be, after giving reasonable opportunity of being heard to the applicant shall refuse to grant EPR-Authorization;

(iv) The Central Pollution Control Board after grant of EPR-Authorisation shall forward the State specific Extended Producer Responsibility Plan to respective State Pollution Control Boards or Pollution Control Committees for their implementation;

- (v) An application for the renewal of EPR-Authorisation shall be made in Form-1 before sixty days of its expiry and the Central Pollution Control Board or State Pollution Control Board, as the case may be, may renew the authorization after examining each case on merit and on issuance of compliance report by the concerned State Pollution Control Board or Pollution Control Committees 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 EPR-Authorisation;
- (vi) Every producer of electrical and electronic equipment listed in Schedule- I, shall take all steps, wherever required, to comply with the conditions specified in the EPR-Authorisation;
- (vii) 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 EPR-Authorization for environmentally sound management of e-waste, and it shall monitor the compliance of EPR-Authorization and take cognizance of any non-compliance and also inform Central Pollution Control Board about the action taken;

(2) Authorisation of Manufacturer.- (i) The manufacturer generating e-waste shall obtain an authorisation from the State Pollution Control Board or Pollution Control Committee of Union territories concerned as the case may be;

- (ii)** The manufacturer shall make an application, within a period of three months starting from the date of commencement of these rules in Form 1(a) to the State Pollution Control Board or the Pollution Control Committee for grant of authorisation;
- (iii)** On receipt of the application complete in all respects for the authorisation, 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 ninety days an authorisation in Form-1(bb) to the applicant to carry out safe operations in the authorised place only, which shall be valid for a period of five years;
- (iv)** The State Pollution Control Board or Pollution Control Committee of the Union territories after giving reasonable opportunity of being heard to the applicant may refuse to grant any authorisation;
- (v)** Every person authorised 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 the financial year to which that return relates;

- (vi) An application for the renewal of an authorisation shall be made in Form-1 before sixty days of 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 thereunder or the conditions specified in the authorisation;
- (vii) Manufacturer shall take all steps, wherever required, to comply with the conditions specified in the authorisation;
- (viii) 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 authorised by him on his behalf.

13. 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 holder of Manufacturer Authorisation 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 authorisation issued under these rules for such period as it considers necessary in the public interest and inform Central Pollution Control Board within ten days of cancellation;

- (2) The Central Pollution Control Board, if in its opinion, the holders of the EPR Authorisation 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 EPR-Authorization issued under these rules for such period as it considers necessary in the public interest and inform State Pollution Control Boards or Pollution Control Committees within ten days of cancellation;
- (3) Upon suspension or cancellation of the authorisation, the Central Pollution Control Board or State Pollution Control Board or Pollution Control Committee of the Union territories may give directions to the persons whose authorisation has been suspended or cancelled for the safe storage of the e-waste and such persons shall comply with such directions.

PROCEDURE FOR REGISTRATION WITH STATE POLLUTION CONTROL BOARD

14. **Procedure for grant of registration.**– (1) Every Dismantler or Recycler of e-waste shall make an application, with in a period of three months starting from the date of commencement of these rules, in Form-4 in triplicate to the State Pollution Control Board accompanied with a copy of the following documents for the grant or renewal of registration, namely:-

- (i) consent to establish granted by the State Pollution Control Board under the Water (Prevention and Control of Pollution) Act, 1974, (25 of 1974) and the 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 authorised in this regard;
- (iii) proof of installed capacity of plant and machinery issued by the District Industries Centre or any other government agency authorised 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 Union territories or any other agency designated for this purpose:

Provided that any person registered under the provisions of the Hazardous Wastes (Management, Handling and Transboundary Movements) Rules, 2008, and the e-waste (Management & Handling) Rules, 2011 prior to the date of coming into force of these rules shall not be required to make an application for registration till the period of expiry of such registration:

- (2) The State Pollution Control Board, on being satisfied that the application is complete in all respects and that the applicant is utilising 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 authorised 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 thereunder, after giving an opportunity to the recycler to be heard and after recording the reasons therefor.
- (8) An application for the renewal of registration shall be made in Form - 4 before sixty days of 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

15. **Procedure for storage of e-waste.-** Every producer, manufacturer, collection centre, dealers, refurbishers, dismantler or recyclers may store the e-waste for a period not exceeding one hundred and eighty 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 up to one year in the following cases, namely:

- (i) Collection Centre in the States, which do not have any registered dismantling or recycling facility; or Dismantlers in the States, which do not have any registered recycling facility; and
- (ii) the waste which needs to be specifically stored for development of a process for its recycling or reuse.

CHAPTER V

REDUCTION IN THE USE OF HAZARDOUS SUBSTANCES IN THE MANUFACTURE OF ELECTRICAL AND ELECTRONIC EQUIPMENT AND THEIR COMPONENTS

16. Reduction in the use of hazardous materials in the manufacture of electrical and electronic equipment and their components.- (1) Every producer of electrical and electronic equipment and their components listed in schedule I shall ensure that, new electrical and electronic equipment and their component does not contain Lead, Mercury, Cadmium, Hexavalent Chromium, polybrominated biphenyls or polybrominated diphenyl ethers:

Provided that a maximum concentration value of 0.1% by weight in homogenous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers and of 0.01% by weight in homogenous materials for cadmium shall be permitted.

- (2) The applications listed in Schedule-II shall be exempted from provisions of sub-rule (1) of rule 12; provided that the provisions of Sub-rule (1) of rule 12 shall not apply to electrical and electronic equipment and their components manufactured and placed in the market prior to 1st May, 2014;
- (3) In the event of such reduction in the hazardous materials used in the electrical and electronic equipment and their component, the detailed information on the constituents of the equipment and their components shall be provided in the product information booklet.
- (4) Imports or placement in the market for new electrical and electronic equipment shall be permitted only for those which are compliant to provisions of sub-rule (1) of rule 12.
- (5) Manufacture and supply of electrical and electronic equipment used for defense and other similar strategic applications shall be excluded from provisions of sub-rule (1) of rule 12.
- (6) Reduction in use of hazardous substances in manufactured or imported electrical and electronic equipment shall be effective from 1st May 2014;
- (7) Every producer while seeking EPR-Authorisation will provide information on the compliance of the provisions of sub- rule (1) of rule 12. This information shall be in terms of self-declaration.
- (8) Central Pollution Control Board shall conduct random sampling of electrical and electronic equipment placed on the market to monitor and verify the compliance of Restriction of Hazardous Substances.
- (9) Central Pollution Control Board shall publish methods for Restriction of Hazardous Substances sampling and testing and also enlist the labs for random Restriction of Hazardous Substances testing.

(10) Every producer shall provide a declaration of conformance to the Restriction of Hazardous Substances provisions in the product user documentation.

CHAPTER VI

MISCELLANEOUS

17. **Duties of Authorities.-** Subject to other provisions of these rules, the authorities 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 5.

(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) In case of transportation of e-waste for final disposal to a facility in a State other than the State where the waste is generated or collected, the transporter shall obtain 'No Objection Certificate' from the State Pollution Control Board concerned and shall intimate the State Pollution Control Board of the State(s) of transit.

(2) In case of transportation of e-waste for dismantling or for recycling in a State other than the State where the waste is generated or collected, the transporter shall give prior intimation to the State Pollution Control Boards concerned and the State Pollution Control Boards of the State(s) 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, or recycler, as the case may be, shall report immediately to the State Pollution Control Boards or 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. Implementation of E-Waste (Management and Handling) Amendment Rules, 2011 shall be in accordance with the guidelines prescribed by the Central Pollution Control Boards from time to time.

SCHEDULE I

(see rules 2, 3(j) and (k))

Categories of electrical and electronic equipment covered under the rules

| Sr. No. | Categories of electrical and electronic equipment | EEE Code |
|---------|---|----------|
| i. | Information technology and telecommunication equipment : | |
| | Centralised data processing: Mainframes, Minicomputers | IEW1 |
| | Personal Computing: Personal Computers (Central Processing Unit with input and output devices) | IEW2 |
| | Personal Computing: Laptop Computers (Central Processing Unit with input and output devices) | IEW3 |
| | Personal Computing: Notebook Computers | IEW4 |
| | Personal Computing: Notepad Computers | IEW5 |
| | Printers including cartridges | IEW6 |
| | Copying equipment | IEW7 |
| | Electrical and electronic typewriters | IEW8 |
| | User terminals and systems | IEW9 |
| | Facsimile | IEW10 |
| | Telex | IEW11 |
| | Telephones | IEW12 |
| | Pay telephones | IEW13 |
| | Cordless telephones | IEW14 |
| | Cellular telephones | IEW15 |
| | Answering systems | IEW16 |
| ii. | Consumer electrical and electronics: | |
| | Television sets (including sets based on (Liquid Crystal Display and Light Emitting Diode technology) | ICEW1 |
| | Refrigerator | ICEW2 |
| | Washing Machine | ICEW3 |
| | Air-conditioners excluding centralised air conditioning plants | ICEW4 |

SCHEDULE II
[See rule 12 (2)]

| Applications, which are exempted from the requirements of sub-rule (1) of rule 12 (applicable to categories of electrical and electronic equipment as listed in Schedule I) | |
|---|---|
| | Substance |
| 1 | Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): |
| 1(a) | For general lighting purposes <30 W : 5 mg |
| 1(b) | For general lighting purposes ≥ 30 W and <50 W : 5mg |
| 1(c) | For general lighting purposes ≥ 50 W and <150 W : 5mg |
| 1(d) | For general lighting purposes ≥ 150 W : 15 mg |
| 1(e) | For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm : 7mg |
| 1(f) | For special purposes:5 mg |
| 2(a) | Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): |
| 2(a)(1) | Tri-band phosphor with normal life time and a tube diameter ≤ 9mm (e.g. T2): 4mg |
| 2(a)(2) | Tri-band phosphor with normal life time and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3 mg |
| 2(a)(3) | Tri- band phosphor with normal life time and a tube diameter >17 mm and <28 mm |
| 2(a)(4) | Tri-band phosphor with normal life time and a tube diameter >28 mm (e.g. T 12):5 mg |
| 2(a)(5) | Tri-band phosphor with long life time (>25000 h):8mg |
| 2(b) | Mercury in other fluorescent lamps not exceeding(per lamp): |
| 2(b)(1) | Linear halophosphate lamps with tube >28 mm (e.g. T 10 and T12):10 mg |
| 2(b)(2) | Non-linear halophosphate lamps(all diameters):15mg |
| 2(b)(3) | Non-linear tri-band phosphor lamps with tube diameter >17 mm(e.g.T9):15 mg |
| 2(b)(4) | Lamps for other general lighting and special purposes (e.g. induction lamps):15mg |
| 3 | Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL)for special purposes not exceeding (per lamp): |

| | |
|----------|--|
| 3(a) | Short length(\leq 500 mm):3.5mg |
| 3(b) | Medium length(>500 mm and \leq 1500 mm): 5mg |
| 3(c) | Long length(>1500 mm): 13mg |
| 4(a) | Mercury in other low pressure discharge lamps (per lamp) |
| 4(b) | Mercury in High Pressure Sodium(vapour) lamps for general lighting purposes not exceeding (per burner)in lamps with improved colour rendering index Ra>60: |
| 4(b)-I | P <155 W : 30 mg |
| 4(b)-II | 155 W < P \leq 405 W : 40 mg |
| 4(b)-III | P >405 W: 40 mg |
| 4(c) | Mercury in other High Pressure Sodium(vapour)lamps for general lighting purposes not exceeding (per burner): |
| 4(c)-I | P \leq 155 W:25mg |
| 4(c)-II | 155 W < P \leq 405 W:30 mg |
| 4(c)-III | P >405 W:40 mg |
| 4(d) | Mercury in High Pressure Mercury (vapour) lamps (HPMV) |
| 4(e) | Mercury in metal halide lamps (MH) |
| 4(f) | Mercury in other discharge lamps for special purposes not specifically mentioned in this Schedule |
| 5(a) | Lead in glass of cathode ray tubes |
| 5(b) | Lead in glass of fluorescent tubes not exceeding 0.2% by weight |
| 6(a) | Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight |
| 6(b) | Lead as an alloying element in aluminum containing up to 0.4% lead by weight |
| 6(c) | Copper alloy containing up to 4% lead by weight |
| 7(a) | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead) |
| 7(b) | Lead in solders for servers, storage and storage array systems, network |

| | |
|----------|---|
| 7(c)-I | Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound. |
| 7(c)-II | Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher |
| 7(c)-III | Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC |
| 8(a) | Cadmium and its compounds in one shot pellet type thermal cut-offs. |
| 8(b) | Cadmium and its compounds in electrical contracts |
| 9 | Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75% by weight in the cooling solution |
| 9(b) | Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR)application. |
| 10(a) | Lead used in C-press complaining pin connector systems |
| 10(b) | Lead used in other than C-press complaint pin connector systems |
| 11 | Lead as a coating material for the thermal conduction module C- ring |
| 12(a) | Lead in white glasses used for optical applications |
| 12(b) | Cadmium and lead in filter glasses and glasses used for reflectance standards. |
| 13 | Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight |
| 14 | Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages. |
| 15 | Lead in linear in candescent lamps with silicate coated tubes |
| 16 | Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications. |
| 17(a) | Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as specialty lamps for diazoprinting reprography, lithography, insect traps, photochemical and curing processes containing phosphors such as SMS ((Sr, Ba) ₂ Mg Si ₂ O ₇ :Pb) |

| | |
|-------|---|
| 17(b) | Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP ($\text{Ba Si}_2\text{O}_5\text{:Pb}$) |
| 18 | Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact energy saving lamps (ESL) |
| 19 | Lead oxide in glass used for bonding front and rear substrates of flat fluorescent lamps used for Liquid Crystal Displays (LCDs) |
| 20 | Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses |
| 21 | Lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm and less |
| 22 | Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors |
| 23 | Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring. |
| 24 | Lead oxide in the glass envelope of black light blue lamps |
| 25 | Lead alloys as solder for transducers used in high-powered (designated to operate for several hours at acoustic power levels of 125 dB SPL and above) loudspeakers |
| 26 | Lead bound in crystal glass |
| 27 | 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 |
| 28 | Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting) |
| 29 | Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes |
| 30 | Lead in solders for the soldering of thin copper wires of 100 μm diameter and less in power transformers |
| 31 | Lead in cermet-based trimmer potentiometer elements |
| 32 | Mercury used as a cathode sputtering inhibitor in DC plasma displays with a content up to 30 mg per display |

| | |
|-----------|---|
| 33 | Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body |
| 34 | Cadmium and cadmium oxide in thick film pastes used on aluminum bonded beryllium oxide |
| 35 | Cadmium in colour converting II-VI LEDs (<10 µg Cd per mm² of light-emitting area) for use in solid state illumination or display systems. |

SCHEDULE III

[See rule 13]

LIST OF AUTHORITIES AND CORRESPONDING DUTIES

| Sl. No | AUTHORITY | CORRESPONDING DUTIES |
|--------|---|---|
| 1. | Central Pollution Control Board, Delhi | <ul style="list-style-type: none">(i) Grant and Renewal of EPR-Authorisation(ii) Maintain information on EPR-Authorisation on its web site(iii) Set targets for collection of e-waste(iv) Coordination with State Pollution Control Boards or Committees of Union territories(v) Preparation of Guidelines for Environmentally Sound Management of e-waste(vi) Conduct assessment of e-waste generation and processing(vii) Recommend standards and specifications for processing and recycling e-waste(viii) Documentation, compilation of data on e-waste and uploading on websites of Central Pollution Control Board(ix) Actions against violation of these rules(x) Conducting training and awareness programmes(xi) Submit Annual Report to the Ministry(xii) Any other function delegated by the Ministry under these rules(xiii) Enforcement of provisions regarding reduction in use of hazardous substances in manufacture of electrical and electronic equipment(xiv) Initiatives for IT industry for reducing hazardous substances,(xv) Set targets for compliance to the reduction in use of hazardous substance in manufacture of electrical and electronic equipment(xvi) Incentives and certification for green design or products |
| 2. | State Pollution Control Boards or Committees of Union territories | <ul style="list-style-type: none">(i) Inventorisation of e-waste.(ii) Grant and renewal of manufacturer's Authorisation(iii) Registration of dismantlers or recyclers of e-waste(iv) Monitoring compliance of EPR-Authorisation or manufacturer's authorisation or recycler's or dismantler's registration conditions(v) Maintain information on the conditions imposed for EPR-Authorisation or manufacturer's authorization or recycler's and dismantler's registration(vi) Implementation of programmes to encourage environmentally sound recycling |

| Sl. No | AUTHORITY | CORRESPONDING DUTIES |
|--------|---|---|
| | | (vii) Action against violations of these rules (viii) Any other function delegated by the Ministry under these rules |
| 3. | Urban Local Bodies (Municipal Committee or Council or Corporation) | (i) To ensure that e-waste if found to be mixed with Municipal Solid Waste is properly segregated, collected and is channelised to either authorised collection centre or dismantler or recycler. (ii) To ensure that e-waste pertaining to orphan products is collected and channelised to either authorised collection centre or dismantler or recycler. |

FORM- I

See Rule 4(1)(b), 12(1)(i), 12(1)(v)

Applicable to producers seeking EPR-Authorization for managing their EPR

The application form should contain the following information:

| | | | |
|----|--|---|--|
| 1. | Name and full Address along with telephone numbers, e-mail and other contact details of Producer (It should be the place from where sale in entire country is being managed) | : | |
| 2. | Name of the Authorised Person and full Address with e-mail, telephone and Fax number | : | |
| 2. | Name, address and contact details of third party with full Address, e-mail, telephone and Fax number, if engaged for implementing the EPR | : | |
| 3. | Details of Electrical and Electronic Equipment (EEEs) placed on market State wise during previous year as per Table-1 | : | |
| 4. | Details of Electrical and Electronic Equipment (EEEs) placed on market during previous year as per Table-2 | : | |

Table-1: Details EEE placed on the market in previous year

Year: _____

| S.No | Names of the States/Union Territories(UTs) Where EEE are being sold. | Quantity of EEE (in Kgs) as listed in Schedule-I placed on the market. | |
|------|--|--|----------------------|
| | | IT Equipment | Consumer Electronics |
| 1 | Andhra Pradesh | | |
| 2 | Arunachal Pradesh | | |
| 3 | Assam | | |
| 4 | Bihar | | |
| 5 | Chhattisgarh | | |
| 6 | Goa | | |
| 7 | Gujarat | | |
| 8 | Haryana | | |
| 9 | Himachal Pradesh | | |
| 10 | Jammu and Kashmir | | |
| 11 | Jharkhand | | |
| 12 | Karnataka | | |
| 13 | Kerala | | |
| 14 | Madhya Pradesh | | |
| 15 | Maharashtra | | |
| 16 | Manipur | | |
| 17 | Meghalaya | | |
| 18 | Mizoram | | |
| 19 | Nagaland | | |
| 20 | Odisha | | |
| 21 | Punjab | | |
| 22 | Rajasthan | | |
| 23 | Sikkim | | |
| 24 | Tamil Nadu | | |
| 25 | Telangana | | |
| 26 | Tripura | | |
| 27 | Uttar Pradesh | | |
| 28 | Uttarakhand | | |
| 29 | West Bengal | | |
| | UTs | | |
| 1 | Andaman and Nicobar Islands | | |
| 2 | Chandigarh | | |
| 3 | Dadra and Nagar Haveli | | |
| 4 | Daman and Diu | | |
| 5 | Delhi | | |
| 6 | Lakshadweep | | |

| | | | |
|----------|-------------------|--|--|
| 7 | Puducherry | | |
| | | | |

Table-2: Details EEE placed on the market in previous year Code wise

Year: _____

| S.No | EEE Item Code | EEE Code | Quantity placed on market in Kgs |
|-------------|---|-----------------|---|
| I | Information technology and telecommunication equipment : | | |
| 1 | Centralised data processing: Mainframes, Minicomputers | IEW1 | |
| 2 | Personal Computing: Personal Computers (Central Processing Unit with input and output devices) | IEW2 | |
| 3 | Personal Computing: Laptop Computers(Central Processing Unit with input and output devices) | IEW3 | |
| 4 | Personal Computing: Notebook Computers | IEW4 | |
| 5 | Personal Computing: Notepad Computers | IEW5 | |
| 6 | Printers including cartridges | IEW6 | |
| 7 | Copying equipment | IEW7 | |
| 8 | Electrical and electronic typewriters | IEW8 | |
| 9 | User terminals and systems | IEW9 | |
| 10 | Facsimile | IEW10 | |
| 11 | Telex | IEW11 | |
| 12 | Telephones | IEW12 | |
| 13 | Pay telephones | IEW13 | |
| 14 | Cordless telephones | IEW14 | |
| 15 | Cellular telephones | IEW15 | |
| 16 | Answering systems | IEW16 | |
| II | Consumer electrical and electronics: | | |
| 17 | Television sets (including sets based on (Liquid Crystal Display and Light Emitting Diode technology) | ICEW1 | |
| 18 | Refrigerator | ICEW2 | |
| 19 | Washing Machine | ICEW3 | |

| | | | |
|-----------|--|-------|--|
| 20 | Air-conditioners excluding centralised air conditioning plants | ICEW4 | |
|-----------|--|-------|--|

5 State Specific EPR Plans:

(a) Over-all scheme of EPR plan:

Please provide State specific details of EPR as per Rule 4 on separate sheets for each State

(b) Details of Collection Centres :

| S.No | Name of State | Name and Address of the Collection Centre | Owned by Producer or Consortium of Producers or PRO | Contact Details E-Mail and telephone number |
|---|---------------|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| Add additional row for each collections centres | | | | |

(c) Details of Recyclers or Dismantlers with whom agreement is made for receiving E-waste

| S.No | Name of State | Names, full address and contact details of recycler/dismantler | Capacity of the Facility in MT/Annun | Contact Details E-Mail & telephone number |
|---|---------------|--|--------------------------------------|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Add additional row for each Recyclers/Dismantlers | | | | |

(d) Details of Medium and Small Enterprises (MSE) acting as supplier to the Producer:

| S.No | Name of State | Name & Address of MSE | Annual Quantity being | Contact Details E-Mail & |
|------|---------------|-----------------------|-----------------------|--------------------------|
| | | | | |

| | | | supplied (MT) | telephone number |
|---------------------------------|--|--|------------------|---------------------|
| | | | | |
| | | | | |
| | | | | |
| Add additional row for each MSE | | | | |

If implementing through PRO, then details of PRO

6. Costs involved in implementing EPR :
7. Details of RoHS compliance for : (Provide EE Code wise details
EEEs placed on the market. on separate sheet)

(authorised signature)

FORM – 1(a)

[See rule 12(2)]

APPLICATION FOR OBTAINING AUTHORIZATION FOR GENERATION/TREATMENT/DISPOSAL OF E-WASTE*

From:.....
.....

To

The Member Secretary,

..... Pollution Control Board or..... Pollution Control Committee

.....
.....

Sir,

I / We hereby apply for authorization/renewal of authorisation under rule 12(2) (i) to 12(2) (viii) of the e-wastes (Management) Rules, 2015 for collection/ storage/ transportation/ 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

1. Name and full address of Manufacturer:
2. Contact Person with designation and contact details such as telephone Nos, Fax. No. and E-mail:
3. Authorisation required for (Please tick mark appropriate activity/ies*)
 - (i) Generation during manufacturing*
 - (ii) Collection, Transportation, Storage

4. E-waste details:

(a) Applicable to Manufacturer

| | | |
|-----|--|--|
| (a) | Quantity of EEE Produced in MT/A | |
| (e) | Total Quantity e-waste generated in MT/A | |

5. Details of Facilities for storage/handling:

In case of Manufacturer:

- i. Details of storage facility including area,
- ii. Copy of MoU with Recyclers/Dismantlers

6. In case of renewal of authorisation previous authorisation no. and date

Place : _____

Signature _____

Date : _____

(Name _____)

Designation : _____

General Terms & Conditions of the Authorisation:

- a. **The authorisation shall comply with provisions of the Environment (Protection) Act, 1986 and the Rules made there under.**
- b. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the concerned State Pollution Control Boards/Pollution Control Committees and Central Pollution Control Board.
- c. The person authorized shall not rent, lend, sell, transfer or otherwise transport the e-wastes without obtaining prior permission of the Concerned State Pollution Control Boards/Pollution Control Committees and Central Pollution Control Board.
- d. Any unauthorised change in personnel or working conditions as mentioned in the application by the person authorised shall constitute a breach of the authorisation.
- e. It is the duty of the authorised person to take prior permission of the Concerned State Pollution Control Boards/Pollution Control Committees and Central Pollution Control Board to close down the facility.
- f. **An application for the renewal of authorisation shall be made as laid down in sub –rule (vi) of rule of 12(2) the e-Waste (Management) Rules, 2015.**
- g. The Board reserves right to cancel/ amend/ revoke the authorisation at any time as per the Policy of the Board or Government.

Member Secretary

**To,
Concerned Producer**

Copy to:

1. Member Secretary Concerned State.
2. In-charge concerned Zonal Office CPCB.

FORM 1(bb)

[See rule 12(2) (iii)]

**FORM FOR GRANTING AUTHORIZATION FOR
GENERATION/COLLECTION/ /STORAGE OF E-WASTE***

1. (a) Authorisation and (b) date of issue
2.of.....is hereby granted an authorisation for collection, storage and transportation of e-waste on the premises situated at.....
3. The authorisation shall be in force for a period fromto
4. The authorisation 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 authorisation shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made thereunder.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board or Committee of Union territories.
3. The person authorised 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 Union territories.
4. Any unauthorised change in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
5. It is the duty of the authorised person to take prior permission of the State Pollution Control Board or Committee of Union territories to close down the operations.
6. An application for the renewal of an authorisation shall be made as laid down in sub-rule (vi) of rule 12(2).

FORM 2

[See rules 4(4), 5(4), 8(5), 9(2), 12(2)(v)]

/ GENERATED

Quantity in Metric Tonnes (MT) or Kilograms (Kg) per year

| | | | |
|-----|---|------------------|----------|
| 1. | Name & Address: Producer /Collection Centre/Dismantler/ Recycler/ Bulk consumer * | | |
| 2. | Date of Issue of Authorisation* Registration * | | |
| 3. | Validity of Authorisation* /Registration* | | |
| 4. | Types & Quantity of e- waste handled/ generated | Category | Quantity |
| | | Item Description | |
| 5. | Types & Quantity of e-waste stored | Category | Quantity |
| | | Item Description | |
| 6. | Types & Quantity of e-waste sent to authorised collection centre/ registered dismantler or recycler | 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 |
| | Types & Quantity of | Item Description | |

| | | | |
|-----|--|------------------|----------|
| | materials recovered | Quantity | |
| | Name, address and contact details of the destination | | |
| 11. | Types & Quantity of waste treated & disposed | Category | Quantity |
| | | Item Description | |

* Strike off whichever is not applicable

FORM 3

[See rules 4(2)(5), 5(5), 7(4), 8(4), 9(4), 10(7), 11(5), 14(9)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted by producer/collection centre/manufacturer/dealers/refurbishers/Micro and Small Enterprises/ dismantler/recycler by 30th June following to the financial year to which that return relates].

Quantity in Metric Tonnes (MT) or Kilograms (Kg)per year

| | | | |
|--------|--|------|----------|
| 1 | Name and address of the producer/ collection centre/ manufacturer/ dealer/ refurbishers/dismantler/recycler | | |
| 2 | Name of the authorised 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 electrical and electronic equipment listed in the Schedule I (Attach list) | | |
| | Details of the above | TYPE | QUANTITY |
| 3 (A)* | DEALERS: Quantity of e-waste sold/purchased/sent to: | | |
| 3(B)* | BULK CONSUMERS: Quantity of e-waste sold/ sent to: | | |
| 3(C)* | REFURBISHER: Quantity of e-waste purchased/sent to: | | |
| 3(A)* | DISMANTLERS: Quantity of e-waste in MT purchased & processed and sent to (category wise): | | |
| 3(B)* | RECYCLERS: Quantity of e-waste in MT purchased/processed (category wise): | | |
| 4 | Name and full address of the destination with respect to 3 (A-B) above | | |
| 5 | Type and quantity of materials segregated/ recovered from e-waste of different categories as applicable to 3(A) &3(B) | 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.
*strike off whichever is not applicable

Place _____

Date _____

Signature of the authorised person

FORM -4

[see rule 7(1), 8(2), 14(1)]

APPLICATION FORM FOR REGISTRATION OF FACILITIES POSSESSING ENVIRONMENTALLY SOUND MANAGEMENT PRACTICE FOR DISMANTLING/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 and Control of Pollution) Act, 1974; Valid up to _____ b. Air (Prevention and Control of Pollution) Act, 1981; Valid up to _____ | | |
| 6. | Authorization validity | E-wastes (Management) Rules, 2015; 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 _____ m3/day Domestic _____ m3 / day | | |
| | Water Cess paid up to (if applicable) | | | |
| | Waste water generation as per consent _____ m3/day | Actual (avg., of last 3 months) Industrial _____ m3 | | |

| | | | | | |
|----|--|--|--|----------|-----|
| | | /day Domestic _____ m3 /day | | | |
| | Waste water treatment (provide flow diagram of the treatment scheme) | Industrial Domestic | | | |
| | Waste water discharge | Quantity _____ m3/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.) ug/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 Treatment Storage and Disposal Facility 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) | |
| | E-Waste Details | |
| 18 | Categories of e-wastes proposed to be collected/transported/dismantled/recycled as defined under the e-waste (Management) Rules 2015: | |
| 19 | Total Quantity e-waste handled collected/Transported/dismantled/recycled: | |
| 20 | Mode of storage within the plant: | |
| 21 | Method of treatment and disposal: | |
| 22 | Installed capacity of the plant: | |
| | Details of Facilities for dismantling: | |
| 23 | Details of decontamination facilities | |
| 24 | Details of manual dismantling facilities | |
| 25 | Details of de-dusting systems | |

| | | |
|----|---|--|
| 26 | Details of mechanical dismantling facilities | |
| 27 | Details of CRT dismantling facility(Manuel/Mechanical) along with capacity in terms of CRT/hour | |
| 28 | Details of pollution Control Equipments | |
| 29 | Copy of Membership of TSDF facility | |
| 30 | Copy of agreement with Collection Center | |
| 31 | Copy agreement with Producer | |
| 32 | Details of storage for dismantled e-waste | |
| 33 | Copy of agreement with Recycler | |
| | Details of Facilities for Recycling | |
| 34 | Details of decontamination facilities | |
| 35 | Details of storage facility including area, | |
| 36 | Details of dismantling and segregation facilities | |
| 37 | Details of Shredding, Crushing, Grinding and other enrichment operations | |
| 38 | Details of Pyro/Hydro Metallurgical facilities | |
| 39 | Details of Electro-winning facilities | |
| 40 | Details of CRT dismantling facility(Manuel/Mechanical) along with capacity in terms of CRT/hour | |
| 41 | Details of pollution Control Equipments | |
| 42 | Copy of Membership of TSDF facility | |
| 43 | Copy of agreement with Collection Center | |
| 44 | Copy agreement with Producer | |
| 45 | Details of storage for Products | |

II. Detailed proposal of the facility (to be attached) to include:

(Applicable to Dismantlers/Recyclers)

- (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

III. Details of Facilities for storage/handling/recycling/dismantling:

IV. In case of renewal of registration, previous registration no. and date

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 - 5
[see rule 18 (1)]

**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 Producers, Collection Centres, registered Dismantler and Recyclers for management of e-waste in the State or 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 collection, 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

Joint Secretary to Government of India
(F No. 23-71/2009-HSMD)
