

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

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the _____, 2015

G.S.R (E).— WHEREAS, by a notification of the Government of India in the erstwhile Ministry of Environment and Forests, the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 (hereinafter referred to as the said rules), were published in the Gazette of India, Extraordinary, vide number S.O. 2265 (E), dated the 24th September, 2008, and the same were amended from time to time;

AND WHEREAS, the said rules imposed restrictions and prescribed procedures for management, handling, disposal and transboundary movement of hazardous wastes;

AND WHEREAS, the Central Government considers it necessary in the public interest and to address sustainable development concerns, to review the rules published earlier, to enable the recovery and/or reuse of useful materials from hazardous and other waste materials generated from a process, thereby, reducing the hazardous and other wastes destined for final disposal and to ensure the environmentally sound management of all hazardous and other waste materials.

NOW, THEREFORE, in exercise of the powers conferred by sections 6, 8 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), and in supersession of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 except as respects things done or omitted to be done before such supersession, the Central Government hereby publishes the following draft rules, which the Central Government proposes to make, for information of the public likely to be affected thereby, and notice is hereby given that the said draft rules will be taken into consideration by the Central Government after expiry of a period of sixty days from the date of publication of this notification in the Official Gazette.

The objections or suggestions which may be received from any person in respect of the said draft rules before the period specified will be taken into consideration by the Central Government.

Any person desirous of making any objection or suggestion with respect to the said draft rules may forward the same within the period of 60 days from the date of publication of this notification in the Gazette to the Secretary, Ministry of Environment, Forests and Climate Change, Prayavaran Bhawan, Central Government Offices Complex, New Delhi-110003 or electronically at email address: bnsinha@gov.in, shruti.rai@nic.in.

DRAFT RULES

CHAPTER -1 PRELIMINARY

1. **Short title and commencement:** - (1) These rules may be called the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2015.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. **Application** .- These rules shall apply to the management of hazardous and other wastes as specified in the Schedules and shall not apply to -
 - (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) and the rules made thereunder;
 - (b) wastes arising out of the operation 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 thereunder;
 - (c) radio-active wastes as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and the rules made thereunder;
 - (d) bio-medical wastes covered under the Bio-Medical Wastes (Management and Handling) Rules, 1998 made under the Act; and
 - (e) wastes covered under the Municipal Solid Wastes (Management and Handling) Rules, 2000 made under the Act.

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 generation, handling, collection, reception, treatment, transport, storage, recycling, reprocessing, recovery, reuse and disposal of hazardous wastes granted under sub-rule (4) of rule 5;
 - (c) “Basel Convention” means the United Nations Environment Programme Convention on the Control of transboundary Movement of Hazardous Wastes and their Disposal;
 - (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) “disposal” means any operation which does not lead to recycling, recovery or reuse and includes physico chemical, biological treatment, incineration and disposal in secured landfill;
- (f) “exporter”, with its grammatical variations and cognate expressions, means taking out of India to a place outside India;
- (g) “exporter” means any person under the jurisdiction of the exporting country who exports hazardous and other wastes including the country, which exports hazardous and other wastes;
- (h) “environmentally sound management of hazardous and other wastes” means taking all steps required to ensure that the hazardous and other wastes are managed in a manner which shall protect health and the environment against the adverse effects which may result from such waste;
- (i) “environmentally sound technologies” means any technology approved by the Central Government from time to time;
- (j) “facility” means any establishment wherein the processes incidental to the handling collection reception, treatment, storage, recycling, recovery, reuse and disposal of hazardous and other wastes are carried out;
- (k) “Form” means a form appended to these rules;
- (l) “hazardous waste” means any waste which by reason of any of its physical, chemical, reactive, toxic, flammable, explosive or corrosive characteristics causes danger or is likely to cause danger to health or environment, whether alone or which in contact with other wastes or substances, and shall include -
 - (i) waste specified under column (3) of Schedule I
 - (ii) waste having equal to or more than the concentration limits specified for waste constituents in class A and class B of Schedule II or any of the characteristics as specified in class C of Schedule II, and
 - (iii) wastes specified in Part A of Schedule III in respect of import or export of such wastes or the wastes other than those specified in Part A if they possess any of the hazardous characteristics specified in Part C of Schedule III;
- (m) “hazardous waste site” means a place of collection, reception, treatment, storage of hazardous wastes and its disposal to the environment which is approved by the competent authority;
- (n) “import”, with its grammatical variations and cognate expressions, means bringing into India from a place outside India;
- (o) “importer” mean an occupier or any person who imports hazardous and other waste;

- (p) “manifest” means transporting document prepared and signed by the occupier or his representative authorised in accordance with the provisions of these rules
- (q) “occupier” in relation to any factory or premises, means a person who has, control over the affairs of the factory or the premises and includes in relation to any hazardous and other wastes, the person in possession of the hazardous and other waste;
- (r) “operator of disposal facility” means a person who owns or operates a facility for collection, reception, treatment, storage or disposal of hazardous and other wastes;
- (s) “other wastes” means wastes specified in Part B of Schedule III which shall not be hazardous waste unless they possess any of the hazardous characteristics specified in Part C of that Schedule in respect of import or export of such wastes.
- (t) “recycler or reprocessors or actual user” means an occupier who procures and processes hazardous and other waste for recycling or recovery or re-use;
- (u) “recycling” means reclamation and reprocessing of hazardous and other wastes in an environmentally sound manner for the original purpose or for other purposes;
- (v) “reuse” means use of hazardous and other waste for the purpose of its original use or other use;
- (w) “recovery” means any operation in the recycling activity wherein specific materials are recovered;
- (x) “Schedule” means a Schedule appended to these rules;
- (y) “State Government” in relation to a Union territory means, the Administrator thereof appointed under article 239 of the Constitution;
- (z) “State Pollution Control Board” means the State Pollution Control Board constituted under section 4 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) and includes, in relation to a Union territory, the Pollution Control Committee ;
- (za) “storage” mean storing any hazardous or other waste for a temporary period, at the end of which such waste is processed or disposed of;
- (zb) “transboundary movement” means any movement of hazardous or other wastes form an area under the jurisdiction of one country to or through an area under the jurisdiction of another country or to or through an area not under the jurisdiction of any country, provided that at least two countries are involved in the movement;

- (zc) "transport" means off-site movement of hazardous or other wastes by air, rail, road or water;
- (zd) "transporter" means a person engaged in the off-site transportation of hazardous or other waste by air, rail, road or water;
- (ze) "treatment" means a method, technique or process, designed to modify the physical, chemical or biological characteristics or composition of any hazardous or other waste so as to reduce its potential to cause harm;
- (zf) "used oil" means any oil-
- (a) derived from crude oil or mixtures containing synthetic oil including used engine oil, gear oil, hydraulic oil, turbine oil, compressor oil, industrial gear oil, heat transfer oil, transformer oil, spent oil and their tank bottom sludges; and
 - (b) suitable for reprocessing, if it meets the specification laid down in Part A of Schedule V but does not include waste oil;
- (zg) "waste" means materials that are not products or by-products, for which the generator has no further use for the purposes of production, transformation or consumption and which is to be disposed of.

Explanation.- for the purposes of this clause,

- (i) waste includes the materials that may be generated during, the extraction of raw materials, the processing of raw materials into intermediates and final products, the consumption of final products, and through other human activities and excludes residuals recycled or reused at the place of generation as a part of process.
 - (ii) by-product means a material that is not solely or separately produced by the production process but gets produced in the process and is used as such;
- (zh) "waste oil" means any oil which include spills of crude oil, emulsions, tank bottom sludge and slop oil generated from petroleum refineries, installations or ships and can be used as fuel in furnaces for energy recovery, if it meets the specifications laid down in Part B of Schedule V either as such or after reprocessing.

(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 the Act.

CHAPTER II
PROCEDURE FOR MANAGEMENT OF HAZARDOUS AND OTHER WASTES

4. Responsibilities of the occupier for management of hazardous and other wastes.-

- (1) The occupier shall be responsible for safe and environmentally sound **management** of hazardous and other wastes generated in his establishment.
- (2) The hazardous and other wastes generated in the establishment of an occupier shall be sent or sold to a recycler or re-processor or re-user authorised under these rules or shall be disposed of in an authorised deposal facility.
- (3) The hazardous and other wastes transported from an occupier's establishment to a recycler for recycling or reuse or reprocessing or to an authorised facility for disposal shall be transported in accordance with the provisions of these rules.
- (4) The occupier or any other person acting on his behalf who intends to get his hazardous and other wastes treated and disposed of by the operator of a Treatment, Storage and Disposal Facility shall give to the operator of that facility, such information as may be determined by the State Pollution Control Board.
- (5) The occupier shall take all adequate steps while managing hazardous and other wastes to-
 - (i) contain contaminants and prevent accidents and limit their consequences on human beings and the environment; and
 - (ii) provide persons working in the site with the training, equipment and the information necessary to ensure their safety.

5. Grant of authorisation for managing hazardous and other wastes.-

- (1) Every person who is engaged in generation, treatment, processing, package, storage, transportation, use, collection, destruction, conversion, recycling, offering for sale, import, export, transfer or the like of the hazardous and other wastes shall be required to obtain an authorisation from the State Pollution Control Board.
- (2) The hazardous and other wastes shall be collected, treated, re-cycled, re-processed, stored or disposed of only in such facilities as may be authorised by the State Pollution Control Board.
- (3) Every person engaged in generation, treatment, processing, package, storage, transportation, use, collection, destruction, conversion, recycling, offering for sale, import, export, transfer or the like of the hazardous and other wastes or occupier of the facility shall make an application for the grant or renewal of authorisation in Form 1, within a

period of sixty days from the date of final publication of these rules and such application for authorisation shall be accompanied with a copy each of the following documents, namely:-

- (a) 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);
- (b) Consent to Operate granted by the State Pollution Control Board under the Water (Prevention and Control of Pollution) Act, 1974 (25 of 1974) and/or Air (Prevention and Control of Pollution) Act, 1981, (21 of 1981),
- (c) certificate of registration issued by the District Industries Centre or any other government agency authorised in this regard in case the occupier is seeking authorisation for re-cycling or re-processing of hazardous wastes specified in Schedule IV;
- (c) proof of installed capacity of plant and machinery issued by the District Industries Centre or any other Government agency authorised in this behalf in case the occupier is seeking authorisation for re-cycling or re-processing of hazardous wastes specified in Schedule IV; and
- (d) in case of renewal of authorisation, a self-certified compliance to effluent, emission standards and to the conditions specified for generation, treatment, processing, package, storage, transportation, use, collection, destruction, conversion, recycling, offering for sale, import, export, transfer or the like of the hazardous and other wastes, as applicable shall be submitted:

Provided that an application for renewal of authorization may be made three months before the expiry of such authorization:

Provided further that-

- (i) any person authorised under the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, prior to the date of commencement of these rules, shall not be required to make an application for authorisation till the period of expiry of such authorisation;
- (ii) any person authorised under the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, shall be required to make a fresh application for authorisation within a period of sixty days from the date of commencement of these rules in case the applicant is desirous of importing hazardous or other waste for recycling and re-processing;

- (iii) any person engaged in recycling or reprocessing of the hazardous waste specified in Schedule IV and having registration under the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, shall not be required to make an application for authorisation till the period of expiry of such registration.
- (4) On receipt of an application complete in all respects for the authorisation, the State Pollution Control Board may, after such inquiry as it considers necessary, and on being satisfied that the applicant possesses appropriate facilities for collection, storage, package, transportation, treatment, processing, use, destruction, conversion, recycling, offering for sale, import, export, transfer or the like of the hazardous and other waste, and after ensuring the technical capabilities and equipment complying with the Standard Operating Procedure (SOPs) or other guidelines specified by the Central Pollution Control Board (CPCB) from time to time, grant within a period of one hundred and twenty days, an authorisation in Form 2 to the applicant, which shall be valid for a period of five years and shall be subject to such conditions as may be laid down therein:

Provided that where the waste for which Standard Operating Procedure is not available, the existing procedure of review for grant of such authorisation shall be continued to be followed by the State Pollution Control Boards.

Provided further that in the case of an application for renewal of authorisation, the Pollution Control Board may, before granting such authorisation, satisfy itself that there has been no violation of the conditions specified in the authorisation earlier granted by it and same shall be recorded in the inspection report.

- (5) The authorisation granted by the State Pollution Control Boards under sub-rule (4) shall be accompanied by a copy of the field inspection report signed by that Board indicating the adequacy of facilities for collection, storage, package, transportation, treatment, processing, use, destruction, conversion, recycling, offering for sale, import, export, transfer or the like of the hazardous and other wastes and compliance to the guidelines/Standard Operating Procedures specified by Central Pollution Control Board from time to time.
- (6) The State Pollution Control Board may, for the reasons to be recorded in writing and after giving reasonable opportunity of being heard to the applicant, refuse to grant any authorisation under these rules.
- (7) Every person authorised under these rules shall maintain a record of hazardous and other wastes managed by him in **Form 3** and prepare and submit to the State Pollution Control Board/Pollution Control Committee, an annual return containing the details specified in **Form 4** on or before the 30th day of June following to the financial year to which that return relates.

- (8) The occupier or operator of the facility shall take all steps, wherever required, for reduction and prevention of the waste generated or for recycling or reuse and comply with the conditions specified in the authorisation.
- (9) The State Pollution Control Board shall maintain a register containing particulars of the conditions imposed under these rules for management of hazardous and other wastes 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.
- (10) The re-cycler or re-processor of schedule IV items shall maintain records of hazardous wastes purchased and processed and shall file an annual return of its activities of previous year in Form 5 to the State Pollution Control Board on or before the 30th day of June of every year.

6. Power to suspend or cancel an authorisation.

- (1) The State Pollution Control Board, may, if in its opinion the holder of the authorisation has failed to comply with any of the conditions of the authorisation or with any provisions of the Act or these rules and after giving him a reasonable opportunity of being heard and after recording reasons thereof in writing cancel or suspend the authorisation issued under rule 5 for such period as it considers necessary in the public interest.
- (2) Upon suspension or cancellation of the authorisation, the State Pollution Control Board may give directions to the person whose authorisation has been suspended or cancelled for the safe storage and management of the hazardous and other wastes, and such person shall comply with such directions.

7. Storage of hazardous wastes.-

- (1) The occupiers, recyclers, re-processors, re-users, and operators of facilities may store the hazardous and other wastes for a period not exceeding ninety days and shall maintain a record of sale, transfer, storage, recycling and reprocessing of such wastes and make these records available for inspection:

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

- (i) small generators up to ten tones per annum;
- (ii) recyclers, re-processors and facility operators up to six months of their annual capacity,

- (iii) generators who do not have access to any Treatment, Storage, Disposal Facility in the concerned State; or
- (iv) the waste which needs to be specifically stored for development of a process for its recycling, reuse.

8. Conditions for sale or transfer of hazardous and other wastes for recycling.-

The occupier generating the hazardous and other wastes may sell it only to the recycler having valid authorization from the State Pollution Control Board for recycling or recovery

9. Standards for recycling.-

The Central Government and the Central Pollution Control Board may issue guidelines or Standard Operating Procedure for standard of performance for recycling processes from time to time.

10. Utilization of hazardous and other wastes.-

The utilisation of hazardous and other wastes as a supplementary resource or for energy recovery, or after processing shall be carried out by the units only after obtaining approval from the Central Pollution Control Board or the State Pollution Control Board, as the case may be.

CHAPTER III

IMPORT AND EXPORT OF HAZARDOUS AND OTHER WASTES

11. Import and export (transboundary movement) of hazardous wastes.- The Ministry of Environment, Forest and Climate Change shall be the nodal Ministry to deal with the transboundary movement of the hazardous wastes in accordance with the provisions of these rules.

12. Import and export of hazardous and other wastes.-

- (1) No import of the hazardous and other wastes from any country to India for disposal shall be permitted.
- (2) The import of hazardous and other wastes from any country shall be permitted only for the recycling or recovery or reuse.
- (3) The export of hazardous and other wastes from India may be allowed to an actual user of the wastes or operator of a disposal facility with the Prior Informed Consent of the importing country to ensure environmentally sound management of the hazardous and other waste in question.

(4) No import of the hazardous wastes specified in Schedule VI shall be permitted.

(5) The export of hazardous wastes specified in Schedule VI shall be permitted with Prior Informed Consent from exporting and importing countries.

13. Import or export of hazardous and other wastes for recycling, recovery and reuse.-

(1) The import and export of the hazardous and other wastes specified in Schedule III, shall be regulated in accordance with the conditions laid down in the said Schedule.

(2) Subject to the provisions contained in sub-rule (1),-

(i) the import or export of the hazardous wastes specified in Part A of Schedule III shall require Prior Informed Consent of the country from where it is imported or exported to, and shall require the license from the Directorate General of Foreign Trade and the prior written permission of the Central Government.

(ii) the import of other wastes specified in Part B of Schedule III shall not require prior written permission of the Central Government and Prior Informed Consent of the country from where it is imported;

(iii) the import and export of the hazardous wastes and other wastes not specified in Part A or Part B, respectively of Schedule III but having the hazardous characteristic outlined in Part C of the said Schedule shall require prior written permission of the Central Government before it is imported or exported from India, as the case may be.

(3) The import of hazardous and other wastes shall be limited to one-third of the total annual processing capacity of the unit, as specified in the authorisation.

14. Procedure for Export of hazardous and other wastes from India.-

(1) Any person intending to export hazardous wastes specified in Part A of Schedule-III shall make an application in Form 6 along with full cover insurance policy for consignment to the Central Government for the proposed transboundary movement of the hazardous wastes together with the Prior Informed Consent in writing from the importing country.

(2) Any person intending to export other wastes specified in Part-B of Schedule-III shall do so subject to availability of following documents duly verified by the custom authority, namely:-

- (a) valid Consent to Operate under the Water Act, 1974 and the Air Act, 1981;
 - (b) valid authorisation under these rules or under the e-waste (Management and Handling) Rules, 2011 in case of e-waste;
 - (c) registration for recycler or dismantler under e-waste (Management and Handling) Rules, 2011;
 - (d) insurance policy covering liability to health and environment during transit.
- (3) On receipt of an application under sub-rule (1), the Central Government may give a 'No Objection Certificate' for the proposed export within a period of sixty days from the date of submission of the application and may impose such conditions as it may consider necessary.
 - (4) The Central Government, shall forward a copy of the 'No Objection Certificate' granted under sub-rule (3), to the Central Pollution Control Board, the concerned State Pollution Control Board and the concerned Port and Customs authorities for ensuring compliance of the conditions, if any, of the export and to take appropriate steps for the safe management of the waste shipment.
 - (5) The exporter shall ensure that no consignment is shipped before the 'No. Objection Certificate' is received from the importing country.
 - (6) The exporter shall also ensure that the shipment is accompanied with Movement Document in **Form 7**.
 - (7) The exporter shall inform the Ministry of Environment, Forest and Climate Change upon completion of the transboundary movement.
 - (8) The exporter of the hazardous wastes and other wastes shall maintain the records of the hazardous wastes and other wastes exported by him in **Form 8** and the record so maintained shall be available for inspection.

15. Procedure for import of hazardous wastes and other wastes-

- (1) A person intending to import or transit for transboundary movement of hazardous wastes specified in Part A of Schedule-III shall apply in Form 6 to the Central Government for the proposed import wherever applicable, together with the Prior Informed Consent, and shall send a copy of the application, simultaneously, to the concerned State Pollution Control Board to enable them to send their comments and observations, if any, to the Ministry of Environment, Forest and Climate Change within a period of thirty days.

- (2) Actual users for recycling or reprocessing may import into the country other wastes listed in Part B of Schedule III (having no asterisk/s “*”) if such user is authorised by the State Pollution control Board, has the Directorate General of Foreign Trade license, wherever applicable and the relevant documents have been verified by the Customs authorities:

Provided that the documentation requirement for specific kind of waste shall be specified by the Ministry of Environment, Forest and climate Change from time to time;

- (3) The user referred to in sub-rule (2) shall submit the application in Form 6 to concerned State Pollution Control Board to enable them to maintain the annual record of import as per the authorisation granted by them.
- (4) On receipt of the application in complete, the Ministry of Environment, Forest and Climate Change shall examine the application considering the comments and observations, if any, received from the State Pollution Control Boards, and may grant the permission for import within a period of sixty days subject to the condition that the importer has -
- (i) the environmentally sound recycling, recovery or reuse facilities;
 - (ii) adequate facilities and arrangement for treatment and disposal of wastes generated; and
 - (iii) a valid authorisation from the State Pollution Control Board and proof of being an actual user, if required under these rules.

- (5) The Ministry of Environment of Forest and Climate Change shall forward a copy of the permission granted under sub-rule (3) to the Central Pollution Control Board, the concerned State Pollution Control Board/Pollution Control Committee and the concerned Port and Customs authorities for ensuring compliance of the conditions of imports and safe management of the hazardous and other waste.

- (6) Prior to clearing of consignment of other wastes, the Customs authorities shall verify-
- (i) the acknowledgement from concerned State Pollution Control Boards
 - (ii) the authorisation under these rules along with Inspection Report indicating the compliance as per the prescribed Standard Operating Procedure or guidelines, as the case may be;
 - (iii) the valid Consent to Operate under the Water Act, 1974 and/or the Air Act, 1981;

Provided that the provisions of this sub-section shall not be applicable to import of electrical and electronic assemblies for re-use purpose covered under Basel numbers, B1110 as specified in Part B of Schedule III

- (7) The Ministry of Environment, Forests and Climate Change shall communicate the permission granted under sub-rule (3) to the importer

- (8) The Port or Customs authorities shall, in case of import of other wastes as specified in Part B of Schedule III, ensure that shipment is also accompanied by Movement Document in Form 7 and pre shipment inspection certificate issued by the inspection agency certified by the exporting country or the inspection and certification agency approved by the Directorate General of Foreign Trade
- (9) The Customs authority shall collect three randomly drawn samples of the consignment (prior to clearing the consignments as per the provisions laid down under the Customs Act, 1962) for analysis and retain the report for a period of two years, in order to ensure that in the event of any dispute, as to whether the consignment conforms or not to the declaration made in the application and Movement Document.
- (10) The importer of the hazardous waste and other wastes shall maintain records of the hazardous and other waste imported by him in **Form 8** and the record so maintained shall be available for inspection.
- (11) The importer shall also inform the concerned State Pollution Control Board and the Central Pollution Control Board, the date and time of the arrival of the consignment of the hazardous and other waste ten days in advance.
- (12) Prior to clearing of consignment of used electrical and electronic assemblies imported for Research and Development (R&D) purpose and to be re-exported back within one years, the Customs authorities shall ensure that the importer is either a Department of Scientific and Industrial Research accredited laboratory or organisation or is registered with any of the industry association identified by Department of Electronics and Information Technology
- (13) Prior to clearing of consignment of electrical and electronic assemblies for re import after repair or re export after repair, the Customs authorities shall verify the identification established as per the provisions of the Customs Act, 1962 (52 of 1962), so as to ensure that the assemblies being re imported or re exported are the same;
- (14) Prior to clearing of consignment of used multi-function print and copying machines (MFDs) destined for direct reuse, the Custom authorities shall verify-
 - (i) the country of Origin Certificate along with bill of lading and packaging;
 - (ii) the certificate issued by the inspection agency as certified by the exporting country or the inspection and certification agency approved by Directorate General Foreign Trade (DGFT) for fully functional, vintage

life of not more than three years and residual life of not less than five years valid

- (iii) Authorisation under e-waste (Management and Handling) Rules, 2011 as Producer;
- (iv) the MFDs shall be for printing A 3 size and above;
- (v) MFDs shall be free of any transit damage and shall be in usable condition.

16. Illegal traffic.-

- (1) The export and import of hazardous wastes and other wastes from and into India shall be deemed illegal if-
 - (i) it is without permission of the Central Government in accordance with these rules, or
 - (ii) the permission has been obtained through falsification misrepresentation or fraud; or
 - (iii) it does not conform to the shipping details provided in the movement documents; or
 - (iv) it results in deliberate disposal (i.e., dumping) of hazardous wastes and other wastes in contravention of the Basel Convention and of general principles of International or National Law.
- (2) In case of illegal import of the hazardous wastes and/or other wastes, the importer shall re-export the waste in question at his cost within a period of ninety days from the date of its arrival into India and its implementation will be ensured by the concerned State Pollution Control Board

CHAPTER -IV

TREATMENT, STORAGE AND DISPOSAL FACILITY FOR HAZARDOUS AND OTHER WASTES

17. Treatment, Storage and Disposal Facility for hazardous and other wastes.-

- (1) The State Government, occupier, operator of a facility or any association of occupiers shall individually or jointly or severally be responsible for, and identify sites for establishing the facility for treatment, storage and disposal of the hazardous and other wastes in the State.
- (2) The operator of common facility or occupier of a captive facility, shall design and set up the Treatment, Storage and Disposal Facility as per technical guidelines issued by the Central Pollution Control Board in this regard from time to time and shall obtain approval from the State Pollution Control Board for design and layout in this regard from time to time.

- (3) The State Pollution Control Board shall monitor the setting up and operation of the Treatment, Storage and Disposal Facilities regularly.
- (4) The operator of the Treatment, Storage and Disposal Facility shall be responsible for safe and environmentally sound operation of the Treatment, the Storage and Disposal Facility and its closure and post closure phase, as per guidelines or Standard Operating Procedures issued by the Central Pollution Control Board from time to time.
- (5) The operator of the Treatment, Storage and Disposal Facility shall maintain records of hazardous and other wastes handled by him in **Form 3**.

CHAPTER –VI

PACKAGING, LABELLING, AND TRANSPORT OF HAZARDOUS AND OTHER WASTE.

18. Packaging and labeling.-

- (1) The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous and other waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board from time to time.
- (2) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climatic factors.

19. Transportation of hazardous and other waste.-

- (1) The transport of the hazardous wastes shall be in accordance with the provisions of these rules and the rules made by the Central Government under the Motor Vehicles Act, 1988 and other guidelines issued from time to time in this regard.
- (2) The occupier shall provide the transporter with the relevant information in **Form 9**, regarding the hazardous nature of the wastes and measures to be taken in case of an emergency and shall mark the hazardous and other wastes containers as per **Form 10**.
- (3) In case of transportation of hazardous and other wastes for disposal or recycling in a State other than the State where the waste is generated or collected, the occupier shall give prior intimation to the concerned State Pollution Control Board of the States of transit before he hands over the hazardous and other wastes to the transporter

20. Manifest system (Movement Document to be used within the country only).-

- (1) The occupier shall prepare six copies of the manifest in **Form 11** comprising of colour code indicated below and all six copies shall be signed by the transporter:

Copy number with colour code (1)	Purpose (2)
Copy 1 (White)	To be forwarded by the occupier to the State Pollution Control Board.
Copy 2 (Yellow)	To be carried by the occupier after taking signature on it from the transporter and the rest of the four copies to be carried by the transporter.
Copy 3 (Pink)	To be retained by the operator of the facility after signature.
Copy 4 (Orange)	To be returned to the transporter by the operator of facility/recycler after accepting waste.
Copy 5 (Green)	To be returned by the operator of the facility to State Pollution Control Board after treatment and disposal of wastes.
Copy 6 (Blue)	To be returned by the operator of the facility to the occupier after treatment and disposal of hazardous and other materials /wastes.

- (2) The occupier shall forward copy 1 (white) to the State Pollution Control Board, and in case the hazardous or other wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned State Pollution Control Board before he hands over the hazardous or other wastes to the transporter.
- (3) No transporter shall accept hazardous wastes from an occupier for transport unless it is accompanied by copies 3 to 6 of the manifest.
- (4) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment.
- (5) Operator of the facility upon completion of treatment and disposal operations of the hazardous or other waste shall forward copy 5 (green) to the State

Pollution Control Board and copy 6 (blue) to the occupier and the copy 3 (Pink) shall be retained by the operator of the facility.

CHAPTER VI MISCELLANIOUS

21. Records and returns.-

- (1) The occupier generating hazardous and other wastes and operator of the facility for disposal of hazardous waste and other waste shall maintain records of such operations in **Form 3**.
- (2) The occupier and operator of a facility shall send annual returns to the State Pollution Control Board in **Form 4**.
- (3) The State Pollution Control Board shall prepare an inventory of the hazardous wastes and other wastes within its jurisdiction and compile other related information like recycling of the hazardous and other wastes and treatment and disposal of the hazardous and other wastes based on the returns filed by respective occupier and operator of the facility.

22. Responsibility of authorities. - The authority specified in column 2 of Schedule VII shall perform the duties as specified in column (3) of the said Schedule subject to the provisions of these rules.

23. Accident reporting and follow -up.- Where an accident occurs at the facility or on a hazardous and other waste site or during transportation of the hazardous or other waste, the occupier or operator of the facility or the transporter, as the case may be, shall report immediately to the State Pollution Control Board about the accident in **Form 12**.

24. Liability of occupier, transporter, operator of a facility and importer.-

- (1) The occupier, importer, transporter and operator of the facility shall be liable for all damages caused to the environment or third party due to improper management of the hazardous wastes and other wastes or disposal of the hazardous wastes and other wastes.
- (2) The occupier and the operator of the facility shall be liable to pay financial penalties as levied for any violation of the provisions under these rules by the State Pollution Control Board with the prior approval of the Central Pollution Control Board.

25. Appeal. -

- (1) Any person aggrieved by an order of suspension or cancellation or refusal of authorisation or its renewal passed by the State Pollution Control Board may, within a period of thirty days from the date on which the order

iscommunicated to him, prefer a appeal in **Form 13** to the Appellate Authority comprising of the Environment Secretary of the State.

- (2) The Appellate Authority may entertain the appeal after 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 filing.

Schedule I

[See rule 3]

List of processes generating hazardous wastes

S.No.(1)	Processes (2)	Hazardous Waste* (3)
1.	Petrochemical processes and pyrolytic operations	1.1 Furnace/reactor residue and debris 1.2 Tarry residues 1.3 Oily sludge emulsion 1.4 Organic residues 1.5 Residues form alkali wash of fuels 1.6 Still bottoms from distillation process 1.7 Spent catalyst and molecular sieves 1.8 Slop oil form wastewater
2.	Drilling operation for oil and gas production	2.1 Drill cuttings containing oil 2.2 Sludge containing oil 2.3 Drilling mud other drilling wastes
3.	Cleaning, emptying and maintenance of petroleum oil storage tanks including ships	3.1 Oil-containing cargo residue, washing water and sludge 3.2 Chemical-containing cargo residue and sludge 3.3 Sludge and filters contaminated with oil 3.4 Ballast water containing oil from ships.
4.	Petroleum refining/re-processing of used oil/recycling of waste oil	4.1 Oil sludge/emulsion 4.2 Spent catalyst 4.3 Slop oil 4.4 Organic residue from process Spent clay containing oil
5.	Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications	5.1 Used/spent oil 5.2 Wastes/residues containing oil

S.No.(1)	Processes (2)	Hazardous Waste* (3)
6.	Secondary production and / or industrial use of zinc	6.1 Sludge and filter press cake arising out of production Zinc Sulphate and other Zinc Compounds. 6.2 Zinc finer/dust/ash/skimmings (dispersible form) 6.3 Other residue form processing of zinc ash/skimmings 6.4 Flue gas dust and other particulates
7.	Primary production of zinc/lead/copper and other non-ferrous metals except aluminium	7.1 Flue gas dust from roasting 7.2 Process residues 7.3 Arsenic-bearing sludge 7.4 Non ferrous metal bearing sludge and residue. 7.5 Sludge from scrubbers
8.	Secondary production of copper	8.1 Spent electrolytic solutions 8.2 Sludge and filter cakes 8.3 Flue gas dust and other particulates
9.	Secondary production of lead	9.1 Lead bearing residues 9.2 Lead ash/particulate from flue gas
10.	Production and/or industrial use of cadmium and arsenic and their compounds	10. Residues containing cadmium and arsenic
11.	Production of primary and secondary aluminum	11.1 Sludges from off-gas treatment 11.2 Cathode residues including port lining wastes 11.3 Tar containing wastes 11.4 Flue gas dust and other particulates 11.5 Wastes from treatment of salt sludge and black drosses
12.	Metal surface treatment, such as etching, staining, polishing, galvanizing, cleaning, degreasing, plating, etc.	12.1 Acid residues 12.2 Alkali residues 12.3 Spent bath/sludge containing sulphide, cyanide and toxic metals 12.4 Sludge from bath containing organic solvents 12.5 Phosphate sludge 12.6 Sludge from staining both 12.7 Copper etching residues 12.8 Plating metal sludge
13.	Production of iron and steel including other ferrous alloys (electric furnace; steel rolling and finishing mills; Coke oven and by products plant)	13.1 Sludge from acid recovery unit 13.2 Benzol fro acid sludge 13.3 Decanter tank tar sludge 13.4 Tar storage tank residue
14.	Hardening of steel	14.1 Cyanide-, nitrate-, or nitrite - containing sludge

S.No.(1)	Processes (2)	Hazardous Waste* (3)
		14.2 Spent hardening salt
15.	Production of asbestos or asbestos-containing materials	15.1 Asbestos-containing residues 15.2 Discarded asbestos 15.3 Dust/particulates from exhaust gas treatment.
16.	Production of caustic soda and chlorine	16.1 Mercury bearing sludge 16.2 Residue/sludges and filter cakes 16.3 Brine sludge containing mercury
17.	Production of mineral acids	17.1 Residues, dusts or filter cakes 17.2 Spent catalyst
18.	Production of nitrogenous and complex fertilizers	18.1 Spent catalyst 18.2 Spent carbon 18.3 Sludge/residue containing arsenic 18.4 Chromium sludge from water cooling tower
19.	Production of phenol	19.1 Residue/sludge containing phenol
20.	Production and/or industrial use of solvents	20.1 Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse. 20.2 Spent solvents 20.3 Distillation residues
21.	Production and/or industrial use of paints, pigments, lacquers, varnishes, plastics and inks	21.1 Process wastes, residues and sludges 21.2 Fillers residues
22.	Production of plastic raw materials	22.1 Residues of additives used in plastics manufacture like dyestuffs, stabilizers, flame retardants, etc. 22.2 Residues and waste of plasticizers 22.3 Residues from vinylchloride monomer production 22.4 Residues from acrylonitrile production 22.5 Non-polymerised residues
23.	Production and /or industrial use of glues, cements, adhesive and reins	23.1 Wastes/residues (not made with vegetable or animal materials)
24.	Production of canvas and textiles	24.1 Chemical residues
25.	Industrial production and formulation of wood preservatives	25.1 Chemical residues 25.2 Residues from wood alkali bath
26.	Production or industrial use of synthetic dyes, dye-intermediates and pigments	26.1 Process waste sludge/residues containing acid or other toxic metals or organic complexes 26.2 Dust from air filtration system

S.No.(1)	Processes (2)	Hazardous Waste* (3)
27.	Production of organic-silicone compound	27.1 Process residues
28.	Production/formulation of drugs/pharmaceutical and health care product	28.1 Process Residue and wastes 28.2 Spent catalyst / spent carbon 28.3 Off specification products 28.4 Date-expired, discarded and off-specification drugs/medicine 28.5 Spent organic solvents
29.	Production, and formulation of pesticides including stock-piles	29.1 Process wastes/residues 29.2 Chemical sludge containing residue pesticides 29.3 Date-expired and off-specification pesticides
30.	Leather tanneries	30.1 Chromium bearing residue and sludge
31.	Electronic Industry	31.1 Process residue and wastes 31.2 Spent etching chemicals and solvents
32.	Pulp and Paper Industry	32.1 Spent chemicals 32.2 Corrosive wastes arising from use of strong acid and bases 32.3 Process sludge containing absorbable
33.	Disposal of barrels / containers used for handling of hazardous wastes chemicals	33.1 Chemical-containing residue arising from decontamination. 33.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers 33.3 Discarded containers / barrels / liners contaminated with hazardous wastes/ chemicals
34.	Purification and treatment of exhaust air, waster and waste water from the processes in this schedule and common industrial effluent treatment plants (CETP's)	34.1 Flue gas cleaning residue 34.2 Spent ion exchange resin containing toxic metals 34.3 Chemical sludge from waste water treatment 34.4 Oil and grease skimming residues 34.5 Chromium sludge from cooling water
35.	Purification process for organic compounds/solvents	35.1 Filters and filter material which have organic liquids in them, e.g. mineral oil, synthetic oil and organic chlorine compounds 35.2 Spent catalyst 35.3 Spent carbon
36.	Hazardous waste treatment processes, e.g. incineration,	36.1 Sludge from wet scrubbers 36.2 Ash from incineration of

S.No.(1)	Processes (2)	Hazardous Waste* (3)
	distillation, separation and concentration technique	hazardous waste, flue gas cleaning residue 36.3 Spent acid from batteries 36.4 Distillation residues from contaminated organic solvents

- * The inclusion of wastes contained in this Schedule does not preclude the use of Schedule II to demonstrate that the waste is not hazardous. In case of dispute, the matter would be referred to the Technical Review Committee constituted by Ministry of Environment, Forest and Climate Change.

Note: The high volume low effect wastes such as fly ash, Phosphogypsum, red mud, Slags from pyrometallurgical operations, mine tailings and ore beneficiation rejects are excluded from the category of hazardous wastes. Separate guidelines on the management of these wastes shall be issued by CPCB.

Schedule II

[See rule 3 (I)]

List of waste constituents with concentration limits

Class A: Based on leachable concentration

No.	Constituents	Concentration in mg/l
A1	Antimony	0.6
A2	Arsenic	5
A3	Barium	100
A4	Beryllium	5
A5	Cadmium	1
A6	Chromium (hexavalent)	5
A7	Copper	150
A8	Fluoride	150
A9	Lead	5
A10	Mercury	0.2
A11	Selenium	1
A12	Silver	5
A13	Zinc	500
A14	Nitrate as N	1000
A15	Cyanide	5
A16	Ammonia and Ammonium compounds	100
A17	Benzene	0.5
A18	Carbon tetrachloride	0.5
A19	Chlorobenzene	100
A20	Chloroform	6
A21	1,4-Dichlorobenzene	7.5
A22	1,2-Dichloroethane	0.5
A23	1,1-Dichloroethylene	0.7
A24	Methyl ethyl ketone	200
A25	Tetrachloroethylene	0.7
A26	Trichloroethylene	0.5
A27	Vinyl chloride	0.2
A28	Cresol (o-, m-, p-)	200
A29	2,4-Dinitrotoluene	0.13
A30	Hexachlorobenzene	0.13

No.	Constituents	Concentration in mg/l
A31	Hexachlorobutadiene	0.5
A32	Hexachloroethane	3
A33	Nitrobenzene	2
A34	Phenol	0.2
A35	Pentachlorophenol	100
A36	Pyridine	5
A37	2,4,5-Trichlorophenol	400
A38	2,4,6-Trichlorophenol	2
A39	Naphthalene*	5
A40	Benzo (a) Pyrene	0.07
A41	Aldrin, Dieldrin	0.07
A42	Chlordane	0.03
A43	Dichlorodiphenyltrichloroethane (DDT), Dichlorodiphenyldichloroethylene (DDE), Dichlorodiphenyldichloroethane (DDD)	3
A44	2,4-Dichlorophenoxyacetic acid (2,4-D)	10
A45	Endrin	0.02
A46	Heptachlor	0.008
A47	Lindane	0.4
A48	Methoxychlor	10
A49	Toxaphene	0.5
A50	2,4,5-TP (Silvex)	1
A51	Malathion	19

Class: B based on total concentration (wet weight)

S. No.	Constituent	Concentration in mg/kg
B1	Molybdenum	3500
B2	Nickel	2000
B3	Vanadium	2400
B4	Sulphides	20000
B5	Thallium	50
B6	Hydrazine(s)	5000

B7	Cobalt	8000
B8	Sulphur	50000
B9	Anthracene*	50
B10	Phenthrene*	50
B11	Total Hydrocarbon*	50000
B12	Dioxin (2,3,7,8-Tetrachlorodibenzodioxin (TCDD))	0.01 TEQ
B13	Kepone	21
B14	Mirex	21
B15	Asbestos	1000
B16	Organic tin	50
B17	Inorganic tin	5000
B18	Tungsten compounds	5000
B19	Tellurium	50
B20	Organo-chlorine pesticides	50

*The only wastes to be tested are wastes or contaminated soils containing complex mixtures of polyaromatic hydrocarbons such as coal tar and creosote or as specified by State Pollution Control Boards

CLASS C characteristics.-

Apart from the concentration limit given above, the wastes shall be classified as hazardous waste if the waste exhibits any of the following characteristics due to the presence of any hazardous constituents:

Class C1: Flammable.- A waste exhibits the characteristic of flammability or ignitability if a representative sample of the waste has any of the following properties, namely:-

- (i) flammable liquids, or mixture of liquids, or liquids containing solids in solution or suspension (for example, paints, varnishes, lacquers etc. but not including substances or wastes otherwise classified on account of their dangerous characteristics), which give off a flammable vapour at

temperature less than 60°C. This flash point shall be measured as per ASTM D 93-99 closed-cup test method;

- (ii) it is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns vigorously and persistently creating a hazard;
- (iii) it is an ignitable compressed gas;
- (iv) It is an oxidizer. An oxidizer for the purposes of characterisation is a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter.

Class C2: Corrosivity.- A solid waste exhibits the characteristic of corrosivity if a representative sample of the waste has either of the following properties, namely:-

- (i) it is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5;
- (ii) it is a liquid and corrodes steel (SAE 1020) at a rate greater than 6.35 mm per year at a test temperature of 55 °C;
- (iii) it is not aqueous and, when mixed with an equivalent weight of water, produces a solution having a pH less than or equal to 2 or greater than or equal to 12.5;
- (iv) it is not a liquid and, when mixed with an equivalent weight of water, produces a liquid that corrodes steel (SAE1020) at a rate greater than 6.35 mm per year at a test temperature of 55 °C.

Note: For the purpose of determining the corrosivity, the Bureau of Indian Standard 9040 C method for pH determination and NACE TM 01 69 1110A

method for corrosivity towards steel (SAE1020) to establish the corrosivity characteristics shall be adopted.

Class C3: Reactivity or explosive.- A solid waste exhibits the characteristic of reactivity if a representative sample of the waste has any of the following properties, namely:-

- (i) it is normally unstable and readily undergoes violent change without detonating;
- (ii) it reacts violently with water or forms potentially explosive mixtures with water;
- (iii) when mixed with water, it generates toxic gases, vapours or fumes in a quantity sufficient to present a danger to human health or the environment;
- (iv) it is a cyanide or sulphide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapours or fumes in a quantity sufficient to present a danger to human health or the environmental;
- (v) it is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement;
- (vi) it is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure;
- (vii) it is a forbidden explosive.

Class C4: Toxicity.- A solid waste exhibits the characteristic of toxicity if,

- (i) the concentration of the waste constituents listed in Class A and B (of this schedule) are equal to or more than the permissible limits prescribed therein;

- (ii) it has been shown through experience or by any standard reference test-method to pose a hazard to human health or environment because of its carcinogenicity, mutagenicity, endocrine disruptivity, acute toxicity, chronic toxicity, bio-accumulative properties or persistence in the environment.

Note:

- (1) The leachate from the waste shall be extracted as per US EPA 1311 method for Toxicity Characteristic Leaching Procedure (TCLP).
- (2) The concentration of the individual constituents shall be determined as per the manual for characterisation and analysis of hazardous waste published by Central Pollution Control Board and in case the method is not covered in the said manual, suitable reference method may be adopted for measurement.
- (3) The hazardous constituents to be analysed in the waste shall be relevant to the nature of the industry and the materials used in the process

Schedule III

[See rules 3I, 13(I), 14(2) (i), (iii) and 14 (I)]

Part A

Part A: List of hazardous wastes applicable for import with Prior Informed Consent [Annexure VIII of the Basel Convention*]

Basel No.	Description of Hazardous Wastes
AI	Metal and Metal bearing wastes
A1010	Metal wastes and waste consisting of alloys of any of the following
	- Antimony
	- Cadmium
	- Tellurium
	- Lead
A1020	Waste having as constituents or contaminants, excluding metal wastes I massive from as listed in B1020, any or the following:
	- Cadmium, cadmium compounds.
	- Antimony, antimony compounds.
	- Tellurium, tellurium compounds.
	- Lead, lead compounds.
A1040	Wastes having metal carbonyls as constituents

A1050	Galvanic sludges
A1060	Wastes Liquors fro the pickling of metals.
A1070	Leaching residues form zinc processing, dusts and sludges such as jarosite, hematite etc.,
A1080	Waste Zinc residue not included on Part B containing lead and cadmium in concentrations sufficient to exhibit hazard characteristics indicated in Part C
A1090	Ashes form the incineration of insulated copper wire
A1100	Dusts and residues form gas cleaning systems of copper smelters.
A1110	Spent electrolytic solutions from copper electrorefining and electrowining operations
A1120	Waste sludges, excluding anode slimes, from electrolytic purification systems in copper electrorefining and electrowining operation.
A1130	Spent etching solutions containing dissolved copper
A1150	Precious metal ash from incineration of printed circuit board not included in Part B
A1160	Waste Lead acid batteries whole or crushed.
A1170	Unsorted waste batteries excluding mixtures of Part B batteries.
A2	Wastes containing principally inorganic constituents, which may contain metals and organic materials
A2010	Activated Glass cullets from cathode ray tubes and other activated glasses
A2030	Waste catalyst but excluding such wastes specified in Part B
A3	Wastes containing principally organic constituents which may contain metals and inorganic materials
A3010	Waste from the production or processing of petroleum coke and bitumen
A3020	Waste mineral oils unfit for their originally intended use
A3050	Wastes fro production, formulation and use of resins, latex, plasticisers, glue/adhesives excluding such waste specified in List B (B4020)
A3070	Waste phenol, phenol compounds including chlorophenol in the form of liquids or sludges
A3080	Waste ethers not including those specified in Part B
A3120	Fluff: light fraction from shredding
A3130	Waste organic phosphorus compounds
A3140	Waste non-halogenated organic solvents but excluding such wastes specified on Part B
A3160	Waste halogenated or unhalogenated non-aqueous distillation residues arising from organic solvent recovery operations
A3170	Waste arising from the production of aliphatic halogenated hydrocarbons (such as chloromethane, dichloromethane, vinylchloride, vinylidene chloride, ally chloride and epichlorhydrin)
A4	Wastes which may contain either inorganic or organic constituents

A4010	Wastes from the production and preparation and use of pharmaceutical products but excluding such waste specified on Part B
A4040	Wastes from the manufacture formulation and use of wood preserving chemicals
A4070	Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish excluding those specified in Part B (B4010)
A4080	Wastes of an explosive nature excluding such waste specified on Part B
A4090	Waste acidic or basic solutions excluding those specified in Part B (B2120)
A4100	Wastes from industrial pollution control devices fro cleaning of industrial off-gases excluding such wastes specified on Part B
A4120	Wastes that contain consist of or are contaminated with peroxides.
A4130	Wastes packages and containers containing any of the constituents mentioned in Schedule II to the extent of concentration limits specified therein.
A4140	Waste consisting or containing off specification or out-dated chemicals containing any of the constituents mentioned in Schedule II to the extent of concentration limit specified therein.
A4150	Waste chemical substance arising form research and development or teaching activities which are no identified and /or are new and whose effects on human health and /or the environment are not known
A4160	Spent activated carbon no included Part B (B2060)

*This List is based on Annex VIII of the Basel Convention on Transboundary Movement of Hazardous Wastes and comprises of wastes characterized as hazardous under Article I, paragraph 1(a) of the Convention. Inclusion of wastes on this list does not preclude the use of hazardous Characteristics given in Annex. VIII of the Basel Convention (Part C of this Schedule) to demonstrate that the wastes are not hazardous. **Certain waste categories listed in Part A have been prohibited for import. Hazardous wastes in Part-A are restricted and cannot be allowed to be imported without permission from the Ministry of Environment, Forest and Climate Change and the Director General of Foreign Trade license**

Part B

List of other wastes applicable for import and export and not requiring Prior Informed Consent

[Annex IX of the Basel Convention*]

Basel No.	Description of wastes
B1	Metal and metal-bearing wastes
B1010	Metal and metal-alloy wastes in metallic, non-dispersible form:
	- Precious metals (gold, silver, platinum)
	- Iron and steel scrap
	- Nickel scrap
	- Aluminum scrap
	- Zinc scrap
	- Tin scrap
	- Tungsten scrap
	- Molybdenum scrap
	- Tantalum scrap
	- Cobalt scrap
	- Bismuth scrap
	- Titanium scrap
	- Zirconium scrap
	- Manganese scrap
	- Germanium scrap
	- Vanadium scrap
	- Hafnium scrap
	- Indium scrap
	- Niobium scrap
- Rhenium scrap	
- Gallium scrap	

	- Magnesium scrap
	- Copper scrap
	- Thorium scrap
	- Rare earths scrap
	- Chromium scrap
B1020	Clean, uncontaminated metal scrap, including alloys, in bulk finished form (sheet, plates, beams, rods, etc.) , of:
	- Antimony scrap
	- Cadmium scrap
	- Lead scrap (excluding lead acid batteries)
	- Tellurium scrap
B1030	Refractory metals containing residues
B1031	Molybdenum, tungsten, titanium, tantalum, niobium and rhenium metal and metal alloy wastes in metallic dispersible form (metal powder), excluding such wastes as specified in Part A under entry A1050, Galvanic sludges
B1040	Scrap assemblies from electrical power generation not contaminated with lubricating oil, PCB or PCT to an extent to render them hazardous
B1050	Mixed non-ferrous metal, heavy fraction scrap, not containing any of the constituents mentioned in Schedule II to the extent of concentration limits specified therein
B1060	Waste selenium and tellurium in metallic elemental form including powder
B1070	Waste of copper and copper alloys in dispersible form, unless they contain any of the constituents mentioned in Schedule II to the extent of concentration limits specified therein
B1080	Zinc ash and residues including zinc alloys residues in dispersible form unless they contain any of the constituents mentioned in Schedule II to the extent of concentration limits specified therein

B1090	Waste batteries conforming to a standard battery specification, excluding those made with lead, cadmium or mercury
B1100	Metal bearing wastes arising from melting, smelting and refining of metals:
	- Hard Zinc spelter
	<ul style="list-style-type: none"> - Zinc-containing drosses: <ul style="list-style-type: none"> ~ Galvanizing slab zinc top dross (>90% Zn) ~ Galvanizing slab zinc bottom dross (>92% Zn) ~ Zinc die casting dross (>85% Zn) ~ Hot dip galvanizers slab zinc dross (batch) (>92% Zn) ~ Zinc skimmings (>90%Zn)
	- Slags from copper processing for further processing or refining containing arsenic, lead or cadmium
	- Slags from precious metals processing for further refining
	- Wastes of refractory linings, including crucibles, originating from copper smelting
	- Aluminum skimmings (or skims) excluding salt slag
B1110	- Tantalum-bearing tin slags with less than 0.5% tin
	Electrical and electronic assemblies
	<ul style="list-style-type: none"> - Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) destined for direct reuse and not for recycling or final disposal
	<ul style="list-style-type: none"> - Used electrical and electronic assemblies imported for Research and Development purpose and to be re-exported back within one year - Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) destined for repair and to be re-exported after repair within six months - Electrical and electronic assemblies exported for repair abroad and re-imported after repair

	<ul style="list-style-type: none"> - Used electrical and electronic assemblies (not in bulk; quantity less than or equal to five) imported by the individuals for their personal use - Used multifunction print and copying machines (MFDs) <p>Note: The policy for free trade for multifunction print and copying machine to be reviewed once the MFDs are domestically manufactured.</p>
B1120	<p>Spent catalysts excluding liquids used as catalysts, containing any of:</p> <p>Transition metals, excluding waste catalysts (spent catalysts, liquid used catalysts or other catalysts) in Part A:</p> <p>Scandium Titanium Vanadium Chromium Manganese Iron Cobalt Nickel Copper Zinc Yttrium Zirconium Niobium Molybdenum Hafnium Tantalum Tungsten Rhenium</p> <p>Lanthanides (rare earth metals):</p> <p>Lanthanum Cerium Praseodymium Neodymium Samarium Europium Gadolinium Terbium Dysprosium Holmium Erbium Thulium Ytterbium Lutetium</p>
B1130	Cleaned spent precious metal bearing catalysts
B1140	Precious metal bearing residues in solid form which contain traces of inorganic cyanides

B1150	Precious metals and alloy wastes (gold , silver, the platinum group) in a dispersible form
B1160	Precious-metal ash from the incineration of printed circuit boards (note the related entry on list A A1150)
B1170	Precious metal ash from the incineration of photographic film
B1180	Waste photographic film containing silver halides and metallic silver
B1190	Waste photographic paper containing silver halides and metallic silver
B1200	Granulated slag arising from the manufacture of iron and steel
B1210	Slag arising from the manufacture of iron and steel including slag as a source of Titanium dioxide and Vanadium
B1220	Slag from zinc production, chemically stabilised, having a high iron content (above 20%) and processed according to industrial specifications mainly for construction
B1230	Mill scaling arising from manufacture of iron and steel
B1240	Copper Oxide mill-scale
B2	Wastes containing principally inorganic constituents, which may contain metals and organic materials
B2010	Wastes from mining operations in non-dispersible form:
	- Natural graphite waste
	- Slate wastes
	- Mica wastes
	- Leucite, nepheline and nepheline syenite waste
	- Feldspar waste
	- Fluorspar waste
- Silica wastes in solid form excluding those used in foundry operations	
B2020	Glass wastes in non-dispersible form:

	<ul style="list-style-type: none"> - Glass cullets and other wastes and scrap of glass except activated glass cullets from cathode ray tubes and other activated glasses
B2030	<p>Ceramic wastes in non-dispersible form: Cermets wastes and scrap (metal ceramic composites)</p> <ul style="list-style-type: none"> - Ceramic based fibres
B2040	<p>Other wastes containing principally inorganic constituents:</p> <ul style="list-style-type: none"> - Partially refined calcium sulphate produced from flue gas De sulphurisation (FGD) - Waste gypsum wallboard or plasterboard arising from the demolition of buildings - Sulphur in solid form - Limestone from production of calcium cyanamide (pH<9) - Sodium, potassium, calcium chlorides - Carborundum (silicon carbide) - Broken concrete - Lithium tantalum and Lillium-niobium containing glass scraps
B2060	Spent activated carbon resulting from the treatment of potable water and processes of the food industry and vitamin production (note the related entry in Part A (A4160))
B2070	Calcium fluoride sludge
B2080	Waste gypsum arising from chemical industry processes unless it contains any of the constituents mentioned in Schedule II to the extent of concentration limits specified therein
B2090	Waste anode butts from steel or aluminium production made of petroleum coke or bitumen and cleaned to normal industry specifications (excluding anode butts from chlor alkali electrolyses and from other metallurgical industry)

B2100	Waste hydrates of aluminum and waste alumina and residues from alumina production, arising from gas cleaning, flocculation or filtration process
B2110	Bauxite residue (red mud) (pH moderated to less than 11.5)
B2120	Waste acidic or basic solutions with a pH greater than 2 and less than 11.5, which are not corrosive or otherwise hazardous (note the related entry on list A A4090)
B3	Wastes containing principally organic constituents, which may contain metals and inorganic materials
B3020	<p>Paper, paperboard and paper product wastes</p> <p>The following materials, provided they are not mixed with hazardous wastes:</p> <p>Waste and scrap of paper or paperboard of:</p> <ul style="list-style-type: none"> • unbleached paper or paperboard or of corrugated paper or paperboard • other paper or paperboard, made mainly of bleached chemical pulp, not coloured in the mass • paper or paperboard made mainly of mechanical pulp (for example newspapers, journals and similar printed matter) • other, including but not limited to <ul style="list-style-type: none"> (1) laminated paperboard (2) unsorted scrap.
B3040	<p>Rubber Wastes</p> <p>The following materials, provided they are not mixed with other wastes:</p> <ul style="list-style-type: none"> • waste and scrap of hard rubber (e.g., ebonite) • other rubber wastes (excluding such wastes specified elsewhere)
B3080	Waste parings and scrap of rubber
B3130	Waste polymer ethers and waste non-hazardous monomer ethers incapable of forming peroxides

B3140	Waste pneumatic tyres, excluding those which do not lead to resource recovery, recycling, reclamation or direct reuse
B4	Wastes which may contain either inorganic or organic constituents
B4010	Wastes consisting mainly of water-based or latex paints, inks and hardened varnishes not containing organic solvents, heavy metals or biocides to an extent to render them hazardous (note the related entry in Part A A4070)
B4020	Wastes from production, formulation and use of resins, latex, plasticisers, glues or adhesives, not listed in Part A, free of solvents and other contaminants to an extent that they do not exhibit of the characteristics specified in Part C
B4030	Used single-use cameras, with batteries not included in Part A

* This list is based on Annexure IX of the Basel Convention on Transboundary Movement of Hazardous Wastes and comprises of wastes not characterized as hazardous under Article I of the Basel Convention.

Note:

(1) Copper dross containing copper greater than 65% and lead and Cadmium equal to or less than 1.25% and 0.1% respectively; spent cleaned metal catalyst containing copper; and copper reverts, cake and residues containing lead and cadmium equal to or less than 1.25% and 0.1% respectively are allowed for import without Director General of Foreign Trade license to units (actual users) registered with the Ministry of Environment, Forest and Climate Change upto an annual quantity limit indicated in the registration letter. Copper reverts, cake and residues containing lead and cadmium greater than 1.25% and 0.1% respectively are under restricted category for which import is permitted only against Director General of Foreign Trade license for the purpose of processing

or reuse by units registered with the Ministry of Environment, Forest and Climate Change (actual users).

(2) Zinc ash or skimmings in dispersible form containing zinc more than 65% and lead and cadmium equal to or less than 1.25% and 0.1% respectively and spent cleaned metal catalyst containing zinc are allowed for import without Director General of Foreign Trade license to units registered with the Ministry of Environment, Forest and Climate Change (actual users) upto an annual quantity limit indicated in registration letter. Zinc ash and skimmings containing less than 65% zinc and lead and cadmium equal to or more than 1.25% and 0.1% respectively and hard zinc spelter and brass dross containing lead greater than 1.25% are under restricted category for which import is permitted against Director General of Foreign Trade license and only for purpose of processing or reuse by units registered with the Ministry of Environment Forest and Climate Change (actual users).

Part C

List of hazardous Characteristics

<u>Code</u>	<u>Characteristic</u>
H 1	Explosive An explosive substance or waste is a solid or liquid substance or waste (or mixture of substance or wastes) which is in itself capable by chemical reaction of producing gas at such a temperature and pressure and at such speed as to cause damage to the surrounding (UN Class 1; H1)
H 3	Flammable liquids The word “flammable” has the same meaning as “inflammable”. Flammable liquids are liquids, or mixtures of liquids, or liquids containing solids in solution or suspension (for example, paints, varnishes, lacquers, etc. but not including substances or wastes otherwise classified on account their dangerous characteristics) which give off flammable vapour at temperatures of not more than 60.5°C, closed-cup test, or not more than 65.5°C , open-cup test. (Since the

results of open-cups tests and of closed-cup tests are not strictly comparable and even individual results by the same test are often variable, regulations varying from the above figures to make allowance for such differences would be within the spirit of this definition).

H 4.1 Flammable solids

Solids, or waste solids, other than those called as explosives, which under conditions encountered in transport are readily combustible, or may cause or contribute to fire through friction.

H 4.2 Substances or wastes liable to spontaneous combustion

Substances or wastes which are liable to spontaneous heating under normal conditions encountered in transport, or to heating up on contact with air, and being then liable to catch fire.

H 4.3 Substances or wastes which, in contact with water emit flammable gases

Substances or wastes which, by interaction with water, are liable to become spontaneously flammable or to give off flammable gases in dangerous quantities.

H 5.1 Oxidizing

Substances or wastes which, while in themselves not necessarily combustible, may, generally by yielding oxygen cause, or contribute to, the combustion of other materials.

H 5.2 Organic peroxides

Organic substance or wastes which contain the bivalent-O-O-structure are thermally unstable substances which may undergo exothermic self-accelerating decomposition.

H 6.1 Poisons (acute)

Substances or wastes liable either to cause death or serious injury or to harm health if swallowed or inhaled or by skin contact.

H 6.2 Infectious Substances

Substances or wastes containing viable micro organisms or their toxins which are known or suspected to cause disease in animals or humans.

H 8 Corrosives

Substances or wastes which, by chemical action, will cause severe damage when in contact with living tissue, or, in the case of leakage, will materially damage, or even destroy, other goods or the means of transport; they may also cause other hazards.

H 10 Liberation of toxic gases in contact with air or water

Substances or wastes which, by interaction with air or water, are liable to give off toxic gases in dangerous quantities.

H 11 Toxic (delayed or chronic)

Substances or wastes which, if they are inhaled or ingested or if they penetrate the skin, may involve delayed or chronic effects, including carcinogenicity).

H 12 Ecotoxic

Substances or wastes which if released, present or may present immediate or delayed adverse impacts to the environment by means of bioaccumulation and /or toxic effects upon biotic systems.

H 13 Capable by any means, after disposal, of yielding another material, e.g., Leachate, which possesses any of the characteristics listed above.

Schedule IV
[(See rules), 5 (3)]

List of hazardous wastes identified for recycling/reprocessing

Sl.No.	Wastes
1.	Brass Dross
2.	Copper Dross
3.	Copper Oxide mill scale
4.	Copper reverts, cake and residue
5.	Waste Copper and copper alloys in dispersible form
6.	Slags from copper processing for further processing or refining
7.	Insulated Copper Wire Scrap/copper with PVC sheathing including ISRI-code material namely "Druid"
8.	Jelly filled Copper cables
9.	Spent cleared metal catalyst containing copper
10.	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt
11.	Zinc Dross-Hot dip Galvanizers SLAB
12.	Zinc Dross-Bottom Dross
13.	Zinc ash/Skimmings arising from galvanizing and die casting operations
14.	Zinc ash/Skimming/other zinc bearing wastes arising from smelting and refining
15.	Zinc ash and residues including zinc alloy residues in dispersible form
16.	Spent cleared metal catalyst containing zinc
17.	Lead acid battery plates and other lead scrap/ashes/residues not covered under Batteries (Management and Handling) Rules, 2001. [Battery scrap, namely: Lead battery plates covered by ISRI, Code word "Rails" Battery lugs covered by ISRI, Code word "Rakes". Scrap drained/dry while intact, lead batteries covered by ISRI, Code word "rains".
18.	Components of waste electrical and electronic assemblies comprising accumulators and other batteries included in Part A of Schedule III, mercury-switches, activated glass cullets from cathode-ray tubes and other activated glass and PCB-capacitors, or any other component contaminated with Schedule II constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of Schedule III.
19.	Paint and ink Sludge/residues
20.	Used oil and waste oil – As per specifications prescribed from time to time.

Schedule V
[See rule 3 (zf) and (zh)]

PART A

Specifications of Used Oil Suitable for reprocessing / recycling

S.No.	Parameter	Maximum permissible Limits
(1)	(2)	(3)
1.	Polychlorinated biphenyls (PCBs)	< 2ppm *
2.	Lead	100 ppm
3.	Arsenic	5 ppm
4.	Cadmium+Chromium+Nickel	500 ppm
5.	Polyaromatic hydrocarbons (PAH)	6%

Part B

Specification of fuel derived from waste oil

S.No.	Parameter	Maximum permissible limits
(1)	(2)	(3)
1.	Sediment	0.25%
2.	Lead	100 ppm
3.	Arsenic	5 ppm
4.	Cadmium+Chromium+Nickel	500 ppm
5.	Polyaromatic hydrocarbons (PAH)	6%
6.	Total halogens	4000 ppm
7.	Polychlorinated biphenyls (PCBs)	<2 ppm *
8.	Sulfur	4.5%
9.	Water Content	1%

The detection limit is 2 ppm by gas Liquid Chromatography (GLC) using Electron Capture detector (ECD)

Schedule VI
[See rule 12(4)]

Hazardous wastes prohibited for import

S.No. (1)	Basel No (2)	Description of hazardous wastes (3)
1.	A1010	Mercury bearing wastes
2.	A1030	Waste having Mercury: Mercury Compounds as constituents or contaminants
3.	A1010	Beryllium bearing wastes
4.	A1020	Waste having Beryllium: Beryllium Compounds as constituents or contaminants
5.	A1010	Arsenic bearing wastes
6.	A1030	Waste having Arsenic : Arsenic Compounds as constituents or contaminants
7.	A1010	Selenium bearing wastes
8.	A1020	Waste having Selenium: Selenium Compounds as constituents or contaminants
9.	A1010	Thallium bearing wastes
10.	A1030	Waste having Thallium: Thallium Compounds as constituents or contaminants
11.	A1040	Hexavalent Chromium Compounds bearing wastes
12.	A1140	Wastes Cupric Chloride and Copper Cyanide Catalysts bearing wastes
13.	A1180	Waste Electrical and electronic assemblies or scrap containing components such as accumulators and other batteries included in Part A of Schedule III, mercury-switches, activated glass cullets from cathode-ray tube and other activated glass and PCB-capacitors, or contaminated with Schedule II constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of Schedule III
14.	A1190	Waste metal cables coated or insulated with plastics containing or contaminated with coal tar, PCB", lead, cadmium, other organohalogen compounds or other constituents as mentioned in schedule II to the extent of concentration limits specified therein.
15.	A2020	Waste inorganic fluorine compounds in the form of liquids or sludge but excluding calcium fluoride sludge
16.	A2040	Waste gypsum arising from chemical industry processes if it contains any of the constituents mentioned in Schedule 2 to the extent of concentration limits specified therein.

17.	A2050	Waste Asbestos (Dust and Fibre)
18.	A3030	Wastes that consist of or are contaminated with leaded anti-knock compounds sludge or leaded petrol (gasoline) sludges.
19.	A3040	Waste Thermal (heat transfer) fluids
20.	A3060	Waste Nitrocellulose
21.	A3090	Waste Leather dust, ash, sludges or flours when containing hexavalent chromium compounds or biocides
22.	A3100	Waste paring and other wastes of leather or of composition leather not suitable for the manufacture of leather articles, containing hexavalent chromium compound and biocides
23.	A3110	Fellmongery wastes containing hexavalent chromium compounds or biocides or infectious substances
24.	A3150	Halogenated organic solvents
25.	A3180	Waste, Substances and articles containing, consisting of or contaminated with polychlorinated biphenyles (PCB) and /or polychlorinated terphenyls, (PCT) and /or polychlorinated naphthalene (PCN) and/or polybrominated biphenyle (PBB) or any other polybrominated analogue of these compounds
26.	A3190	Waste tarry residues (excluding asphalt cements) arising from refining, distillation and pyrolitic treatment of organic materials)
27.	A4020	Clinical and related wastes; that is wastes arising from medical, nursing, dental, veterinary, or similar practices and wastes generated in hospital or other facilities during the investigation or treatment of patients, or research projects.
28.	A4030	Waste from the production, formulation and use of biocide and phyto-pharmaceuticals, including waste pesticide and herbicides which are off-specification, out-dated, and/or unfit for their originally intended use,
29.	A4050	Waste that contain, consist of, or are contaminated with any of the following; Inorganic cyanides, excepting precious metal bearing residues in solid form containing traces of inorganic cyanides. Organic cyanides
30.	A4060	Waste oil/water, hydrocarbons/water mixtures, emulsions
31.	A4110	Wastes that contain, consist of or are contaminated with any of the following: <ul style="list-style-type: none"> • Any congener of polychlorinated dibenzofuran • Any congener or polychlorinated dibenzodioxin.
32.	B 1110	Electronic assemblies consisting only of metals or alloys

		Waste and scrap electrical and electronic assemblies (including printed circuit boards) not containing components such as accumulators and other batteries included in Part A of Schedule III, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-capacitors, or not contaminated with constituents such as cadmium, mercury, lead, polychlorinated biphenyl) or from which these have been removed, to an extent that they do not possess any of the constituents mentioned in Schedule II to the extent of concentration limits specified therein
	B 1110	Used critical care medical equipment for re-use
33.	B 3010	<p>Solid plastic waste</p> <p>The following plastic or mixed plastic waste, prepared to a specification:</p> <ul style="list-style-type: none"> - Scrap plastic of non-halogenated polymers and copolymers, including but not limited to the following: Ethylene, Styrene, Polypropylene, polyethylene terephthalate, Acrylonitrile, Butadiene, Polyacetals, Polyamides, polybutylene terephthalate, Polycarbonates, Polyethers, polyphenylene sulphides, acrylic polymers, alkanes C10-C13 (plasticiser), polyurethane (not containing CFC's), Polysiloxanes, polymethyl methacrylate, polyvinyl alcohol, polyvinyl butyral, Polyvinyl acetate, - Cured waste resins or condensation products including the following: urea formaldehyde resins phenol formaldehyde resins melamine formaldehyde resins epoxy resins alkyd resins

		<p>Polyamides</p> <p>- The following fluorinated polymer wastes (excluding post-consumer wastes):</p> <p>Perfluoroethylene/ propylene</p> <p>Perfluoroalkoxy alkane</p> <p>Metafluoroalkoxy alkane</p> <p>polyvinylfluoride</p> <p>polyvinylidene fluoride</p>
34.	B3140	Waste pneumatic tyres for direct reuse
35.	B 3065	Waste edible fats and oils of animal or vegetables origin (e.g. frying oil).
36.	Y 46	Wastes collected from households
37.	Y 47	Residues arising from the incineration of household wastes.

Schedule VII
[See rule 22]

List of authorities and corresponding duties

S. No. (1)	Authority (2)	Corresponding Duties (3)
1.	Ministry of Environment, Forests and Climate Change under the Environment (Protection) Act, 1986	<ul style="list-style-type: none"> i. Identification of hazardous and other wastes ii. Permission to exporters of hazardous wastes and other wastes iii. Permission to importer of hazardous wastes and other wastes iv. Permission for transit of hazardous wastes and other wastes through India. v. Sponsoring of training and awareness programme on Hazardous and Other Waste Management related activities.
2.	Central Pollution Control Board constituted under the Water (Prevention and Control of Pollution) Act, 1974	<ul style="list-style-type: none"> i. Co-ordination of activities of State Pollution Control Boards ii. Conduct training courses for authorities dealing with management of hazardous and other wastes iii. Recommend standards and

		<p>specifications for treatment and disposal of wastes and leachates recommend procedures for characterisation of hazardous wastes.</p> <p>iv. Sector specific documentation to identify waste for inclusion in these rules.</p> <p>v. Prepare guidelines to prevent/reduce/minimise the generation and handling of hazardous and other wastes</p> <p>vi. Any other function delegated by the Ministry of Environment, Forests and Climate Change</p>
3.	State Government/Union Territory Government/Administration	<p>i. Identification of site (s) for common Hazardous and Other Waste Treatment Storage and Disposal Facility (TSDF)</p> <p>ii. Assess Environment Impact Assessment (EIA) reports and convey the decision of approval of site or otherwise Acquire the site or inform operator of facility or occupier or association of occupiers to acquire the site</p>
		<p>iv. Notification of sites</p> <p>v. Publish periodically an inventory of all disposal site sin the State/Union Territory</p>
4.	State Pollution Control Boards or Pollution Control Committees constituted under the Water (Prevention and Control of Pollution) Act, 1974	<p>i. Inventorisation of hazardous and other wastes</p> <p>ii. Grant and renewal of authorisation</p> <p>iii. Monitoring of compliance of various provisions and conditions of permission including conditions of permission for issued by Ministry of Environment, Forest and Climate Change for exports and imports</p> <p>iv. Examining the applications for imports submitted by the importers and forwarding the same to Ministry of Environment, Forest and Climate Change</p> <p>v. Implementation of programmes to prevent/reduce/minimise the generation of hazardous and other</p>

		<p>wastes.</p> <p>vi. Action against violations of these rules.</p> <p>vii. Any other function under these Rules assigned by Ministry of Environment, Forest and Climate Change from time to time.</p>
5.	Directorate General of Foreign Trade constituted under the Foreign Trade (Development and Regulation) Act, 1992	<p>i. Grant of licence for import of hazardous and other wastes</p> <p>ii. Refusal of licence for hazardous and other wastes prohibited for imports and export</p>
6.	Port authority under Indian Ports Act, 1908 (15 of 1908) and Customs Authority under the Customs Act, 1962 (52 of 1962)	<p>i. Verify the documents</p> <p>ii. Inform the Ministry of Environment, Forests and Climate Change of any illegal traffic</p> <p>iii. Analyse wastes permitted for imports and exports</p> <p>iv. Train officials on the provisions of these rules and in the analysis of hazardous and other wastes</p> <p>v. Take action against exporter/importer for violations under the Indian Ports Act, 1908/ Customs Act, 1962</p>

Form 1

(See rule 5 (3))

Application required for grant/renewal of authorization for collection/transport/reception/storage/recycling/reprocessing/treatment /disposal/import/export of hazardous and other waste

Part A: General requirement

1. (a) Name and address of the unit and location of activity :

- (b) Name of the occupier or owner of the unit with designation, Tel/ Fax:

- (c) Authorisation required for (Please tick mark appropriate activity / activities):
 :
 - (i) collection
 - (ii) transport
 - (iii) reception
 - (iv) storage

- (v) recycling/reprocessing
- (vi) treatment
- (vii) disposal
- (viii) import
- (ix) Export

(d) In case of renewal of authorisation previous authorisation number and date:

2 (a) Whether the unit is generating hazardous or other waste as defined in these rules :

(b) If so the type and quantity of wastes (in metric tonne/kilo litre) :

3. (a) Total capital invested on the project (in rupees):

(b) Year of commissioning and commencement of production:

(c) Whether the industry works general/2 shifts/rounds the clock:

4. (a) List and quantum of products and by-products (in metric tonne/kilo litre):

(b) List and quantum of raw material used (in metric tonne/kilo litre) :

Product manufactured during the last three years (metric tonne/kilo litre per Year)	Year	Name of the Product(s)	Quantity in metric tonne (MT) or kilo litre (KL)
		a)	
		b)	
		c)	

Raw material consumption during last three years (metric tonne/kilo litre per Year)	Year	Name of the raw material (s) consumed	Quantity in metric tonne (MT) or kilo litre (KL)
		a)	
		b)	
		c)	

5. Furnish a flow diagram of manufacturing process showing input and output in terms of products, waste generated including for captive power generation and demineralised water.

Part B: Hazardous and other Waste generated

6. Hazardous and other Wastes:
- (a) Type of hazardous and other wastes generated as defined under these Rules
:
 - (b) Quantum of hazardous and other waste generated
:
 - (c) Sources and waste characteristics
(Also indicate wastes amenable to recycling, re-processing and reuse) :
 - (d) Mode of storage within the plant, capacity and method of disposal :
(provide details).
7. Hazardous and other wastes generated as per these rules from storage of hazardous chemicals as defined under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989

Part C: Treatment, storage and disposal facility

8. Detailed proposal of the facility (to be attached) to include :
- (i) Location of site (provide map) :
 - (ii) Name of waste processing technology :
 - (iii) Details of processing technology :
 - (iv) Type and quantity of waste to be processed per day :
 - (v) Site clearance (from local authority, if any) :
 - (vi) Utilization programmed for waste processed (Product utilization) :
 - (vii) Method of disposal (details in brief be given) :
 - (viii) Quantity of waste to be disposed per day :
 - (ix) Nature and composition of waste :
 - (x) Methodology and operational details of land filling incineration :
 - (xi) Measures to be taken for prevention and control of environmental pollution including treatment of leachate :
 - (xii) Investment on project and expected returns :
 - (xiii) Measures to be taken for safety of workers working in the plant :

Part D: Recycling/reprocessing hazardous wastes [Schedule III A and Schedule IV items]

(A separate pass book has to be issued to recycler/reprocessors of Schedule IV items)

The applicant has to follow the guidelines as issued by Central Pollution Control Board for environmentally sound management of hazardous waste (Schedule IV items) from time to time. New technology/process other than mentioned in guidelines needs approval of Ministry of Environment, Forest and Climate Change)

9.

Details of hazardous wastes proposed to be acquired through sale/negotiation/contract or import as the case may be for use as raw material.	1. Name 2. Quantity required per year 3. Waste listing and No. in Annex VIII (List A)/ Annex IX (List B) of Basel Convention (BC) 4. Hazard Characteristic as per Annex III of BC
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10 Manufacturing (recycling/reprocessing) Process:
Please attach manufacturing process flow diagram for each product (s)

11. Hazardous and other waste management:

Whether the Recycler/reprocessor has :

(i) Adequate facility to recycle/reprocess/reuse hazardous wastes and other wastes:

(if yes furnish details)

(ii) Adequate facility to handle the hazardous wastes generated by the use of hazardous wastes and other waste: (provide details)

a Waste generation :	S.No.	Name	Category	<u>Quantity</u> <u>(last 3Years)</u>
b. Details on collection, treatment and transport :				
c. Disposal				
(i) Please attach Details of the disposal facilities				

(ii) Please attach analysis report of characterisation of hazardous and other waste generated (including leachate test if applicable)	
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12. Occupational safety and health aspects (please provide details of facilities provided):

(Recycler/reprocessors of lead bearing waste shall submit blood lead level test report of the workers involved in recycling operations from a certified/accredited institutes/laboratory to the State Pollution Control Board every six months)

13. Remarks :

(i) Whether industry has provided adequate Pollution Control system/equipment to meet the standard of emission/effluent.	Yes / No
(ii) Whether hazardous and other waste collection and Treatment, storage and Disposal Facility (TSDF) are operating satisfactorily.	Yes / No
(iii) Whether conditions exists or likely to exists of the hazardous and other waste waste being handled / processed of posing immediate or delayed adverse impacts on the Environment.	Yes / No
(iv) Whether conditions exists or is likely to exists of the wastes being handled / processed by any means capable of yielding another material eg, leachate which	Yes / No

may possess eco-toxicity,	
Any other Information i) ii) iii)	
List of enclosure as per rule	

Part E: Import/export of hazardous and other wastes

14. Details of hazardous wastes and other wastes to be imported/exported for recycling/reprocessing/reuse:

S.No.	Particulars of hazardous wastes and other wastes	Six digit Code. No.*	Constituent (s) expected	Quantity metric tonne/kilo litre	Any special handling requirement?

* (Here enter as reference nomenclature, the equivalent six digit code no. from European Waste Catalogue EWC, issued pursuant to the Article 1 (a) of Council Directive 75/442/EEC on waste or its equivalent as the case may be.)

15. Whether you have imported/exported such hazardous wastes and other wastes in the past and if yes give details.

S.No.	Description of hazardous and other wastes	Country of Export/import	Year	Quantity in metric tonnes

16. Break-up of the imported wastes :

- (a) The total quantity applied for : **metric tonnes**
 (b) Out of (a) above, how much quantity after initial in-situ purification, will be available a raw material : **metric tonnes**
 (c) Out of (b) above, how much quantity will be converted into the useful product or co-product : **metric tonnes**

17. Means of transport (road, rail, inland waterway, sea, air) including country of export, transit and import, also point of entry and exit where these have been designated.
18. Information on special handling requirements including emergency provision in case of accident
19. In case of export :
 - (a) Name and address of importer and contact details
 - (b) Name of importing country
 - (c) Port of export
 - (d) Port of import
 - (e) Details of insurance for consignment

Signature :

Designation :

Date:.....

Place:.....

Form 2

[See rule 5(4) and 5]

FORM FOR GRANT/RENEWAL OF AUTHORISATION BY SPCB/PCC FOR OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, IMPORTER, EXPORTER AND OPERATORS OF FACILITIES FOR COLLECTION, RECEPTION, TREATMENT, STORAGE, TRANSPORTS, AND DISPOSAL OF HAZARDOUS AND OTHER WASTES

1. Number of authorisation and date of issue :
2.ofis hereby granted an authorisation to operate a facility for collection, reception, treatment, storage, recycling, reprocessing, reuse, import, export, transport and disposal of hazardous wastes and other wastes on the premises situated at.....
 - (1) The authorisation granted to operate a facility for generation, collection, reception, treatment, storage, transport and disposal of hazardous wastes and other wastes
 - (2) The authorisation granted to operate a facility for recycling, reprocessing, reusing, generation, collection, reception, treatment, storage, transport and disposal of hazardous wastes and other wastes.(A separate pass book has to be issued to recycler/reprocessors of Schedule IV items as per the existing colour code)
 - (3) The authorisation granted to import hazardous wastes and other wastes.
 - (4) The authorisation granted to export hazardous wastes and other wastes.
 - (5) The authorisation shall be in force for a period of
 - (6) The authorisation is subject to the conditions stated below and the such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.

Terms and conditions of authorisation

1. The authorisation shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the SPCB/PCC.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the SPCB/PCC.
4. Any unauthorized change in personnel, equipment as working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. It is the duty of the authorised person to take prior permission of the SPCB/PCC to close down the facility.
6. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
7. The record of consumption and fate of the imported hazardous and other wastes shall be monitored and report sent to the SPCB/PCC every fortnight.
8. At every step of consumption of 25, 50, 75 and 100% of the imported hazardous and other wastes, the situation in the store shall be shown to the SPCB/PCC at the cost of importer.
9. The hazardous which gets generated after recycling/reprocessing/reuse of imported hazardous wastes and other wastes in the form of raw material shall be treated and disposed of as per conditions of authorisation.
10. The importer shall bear the cost of import/export and mitigation of damages if any.
11. An application for the renewal of an authorisation shall be made as laid down under these Rules.
12. Any other conditions for compliance as per the Guidelines issued by the MoEF of CPCB.

Date:

Signature of Issuing Authority

Designation and Seal

Form 3

[See rule 5 (7),17(5) and 21 (1)]

FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES BY THE OCCUPIER OR OPERATOR OF FACILITY

1. Name and address of the occupier or operator of a facility :
2. Date of issuance of authorisation and its reference number :
3. Description of hazardous and other wastes

Physical form with description	Chemical form	Total volume (m³) and weight (in kg.)

4. Description of storage and treatment of hazardous and other wastes :

Date	Method of storage of hazardous and other wastes	Date	Method of treatment of hazardous and other wastes

5. Details of transportation of hazardous and other wastes

Name and address of the consignee of package	Mode of packing of the waste for transpiration	Mode of transportation of site of disposal	Date of transportation

6. Details of disposal of hazardous and other waste

Date of disposal	Concentration of hazardous constituents in the final waste form	Site of disposal (identify the location on the relevant layout drawing for reference)	Method of disposal	Persons involved in disposal

7. Data on environmental surveillance

Date of measurement	Analysis of ground water			Analysis of soil sample			Analysis of air samples		Analysis of any other samples (Give details)
	Location of sampling	Depth of sampling	Date	Depth of sampling	Date	Location of sampling	Location of sampling	Date	

8. Details of hazardous and other wastes sold/auctioned to the recyclers or reprocessors or re-users:
9. Details of hazardous and other wastes reused or recycled

Date	Total Quantity of hazardous and other wastes generated	Details of hazardous and other wastes minimization	Materials received	Final Quantity of generated	Net reduction in waste generation quantity and percentage

Date:
facility

Name and signature of the head of

Place:

Form 4

[See rules 5 (7) and 21 (2)]

FORM FOR FILING ANNUAL RETURNS

BY THE OCCUPIER OR OPERATOR OF FACILITY

[To be submitted by occupier/operator of disposal facility to State Pollution Control Board/Pollution Control Committee by 30th June of every year for the preceding period April to March]

1.	Name and address of the generator/ operator of facility	:			
2.	Name of the authorised person and full address with telephone and fax number	:			
3.	Description of hazardous and other wastes	:	Physical form with description	Chemical form	
4.	Quantity of hazardous and other wastes (in metric tonne/kilo litre per annum)	:	Type of hazardous waste and other wastes	Quantity (in metric tonne /kilo litre)	
			(a)		
				(b)	
				(c)	
			
5.	Description of Storage	:			

6.	Description of Treatment	:				
7.	Details of Transportation	:	Name and address of consignee	Mode of packing	Mode of transportation	Date of transportation
8.	Details of disposal of hazardous and other waste	:	Name and address of consignee	Mode of packing	Mode of transportation	Date of transportation
9.	Quantity of useful materials sent back to the manufacturers* and other#	:	Name and Type of material sent back to		Quantity in metric tonne /kilo litre	
			Manufacturers*			
			Other#			

* delete whichever is not applicable

enclose list of other agencies.

Date :.....

Signature:

Place :.....

Designation:

Form 5

[See rules 5 (10)]

**FORM FOR FILING ANNUAL RETURNS AND RECORDS
ON RECYCLABLE HAZARDOUS WASTES (SCHEDULE III A and IV ITEMS) BY
THE RECYCLERS/REPROCESSORS**

[To be submitted by recyclers to State Pollution Control Board/Pollution Control
Committee by 30th June of every year for the preceding period April to March]

1.	Name and address of the recycler :			
2.	Name of the authorized person and full address with telephone and fax number :			
3.	Installed annual capacity to recycler or dispose the hazardous			
4.	Quantity hazardous waste (in metric tonne/kilo litre per annum) purchased/sold	Type of wastes	Source of purchase/sold	Quantity (in metric tonne/kilo litre per annum)
5.	Quantity of hazardous wastes processed:	Type of wastes processed	Quantity (in metric tonne/kilo litre per annum)	
6.	Quantity and type of material recovered (in metric tonne/kilo litre per annum)	Type of material recovered	Quantity (in metric tonne/kilo	

			litre per annum)
7.	Quantity of useful materials sent back to the generators/manufacturers* and others#	Name and type of material sent back to	Quantity in metric tonne/kilo litre
		Manufacturers*	
		Others#	
8.	Quantity of hazardous waste generated (in MTA) and its disposal methods.	Type of wastes	Quantity (in metric tonne/kilo litre per annum)
			Method of disposal

* delete whichever is not applicable

enclose list of other agencies

Signature :

Place :

Designation :

Date :

Form 6
[See rule 14 (1) and 15 (1)]

**APPLICATION FOR IMPORT OR EXPORT OF HAZARDOUS AND OTHER
WASTE WASTE FOR REPROCESSING/ RECYCLING / REUSE**

FROM

.....

.....

TO BE MAILED BY IMPORTER

(i) To,

The Director/ Joint Director
Ministry of Environment , Forest and Climate
Change (Schedule III A)

(ii) To,

The Member Secretary,
..... State Pollution Control Board/
Pollution Control Committee (Schedule III B)

Sir,

I/We apply for permission for import of recyclable hazardous wastes.

FOR OFFICE USE ONLY

1. Code No. _____ :
2. Whether the unit is situated in a
Critically area as identified by the
Ministry of Environment and Forests : If yes provide details.

TO BE FILLED IN BY APPLICANT

**APPLICATION FOR TRANSBOUNDARY MOVEMENT OF HAZARDOUS
WASTE AND OTHER WASTE**

S. No.	Description	Details to be furnished by the exporter/ importer
1.	Exporter (name and address) :	
	Contact person :	
	Tel/fax :	
	Reason for export :	
2.	Importer/ recycler (name and address) :	
	Contact person :	
	Tel/fax :	
3.	Application concerning :	
	Applicants reference number :	
	(a) Single/multiple movement :	
	(b) Recovery/ reprocessing operation :	
	(c) Pre-authorized recovery/ reprocessing facility :	
4.	Total intended number of shipments :	
5.	Estimated quantity in kg/ liters :	
6.	Intended dates (s) or period of time for shipment (s)	
7.	Intended carrier(s) (name, address) :	
	Contact person : Tel/fax :	
8.	Waste generator (s) (name, address) :	
	Contact person : Tel/fax :	
	Site of generation & process :	
9.	Method(s) of recycling :	
	R Code :	
	Technology employed :	
10.	Means of transport :	
11.	Packaging types (s) :	
12.	Designation and complete chemical composition of waste (attach details) :	
	Special handling requirements :	
13.	Physical characteristics :	

14.	Waste identification Code	:	
	Basel No.	:	
	OECD No.	:	
	UN No.	:	
	ITC (IIS)	:	
	Customs Code (H.S.)	:	
	Other specify	:	
15.	OECD classification (attach details)		
	(a) amber/red/other	:	
	(b) Number	:	
16.	Y-Number	:	
17.	H-Number	:	
18.	(a) UN identification Number	:	
	(b) UN shipping name	:	
	(C) UN class	:	
	(d) Other	:	
19.	Concerned States, code number of competent authorities, and specific points of entry and exit	:	
	State of export	:	
	State of transit	:	
	State of import	:	
20	Customs offices of entry and / or departure		
	Entry:	Departure:	
21.	Number of annexes attached		

22. The hazardous and other waste permitted shall be fully insured for transit as well as for any accidental occurrence and its cleanup operation.

23. The exported wastes shall be taken back, if it creates a genuine environmental hazard or shall take all such measures to treat and dispose in an environmentally benign manner upto the satisfaction of concerned SPCB/PCC. All such costs involved in such operation shall be borne by exporter and/ or importer.

24. Whether authorization obtained _____ : (enclose the copy)

25. Whether the importer has

(a) adequate facility to handle imported hazardous and other wastes: (If yes furnish details).

(b) adequate facility to handle the hazardous wastes generated

by the use of such imported hazardous and other wastes :
(Provide details)

26. Break-up of the imported wastes
- (a) The total quantity applied for :..... Tonnes
 - (b) Out of (a) above, how much quantity after initial in-situ purification, will be available as raw material :..... Tonnes
 - (c) Out of (b) above, how much quantity will be converted into the useful product or co-product :..... Tonnes
27. Means of Transport (road, rail, inland waterway, sea, air) including country of export, transit and import, also point of entry and exit where these have been designated.
28. Information on special handling requirements including emergency provision in case of accident.
29. Undertaking :
- I hereby solemnly undertake that
1. I certify the information is complete and correct to my best knowledge. I also certify that legally-enforceable written contractual obligations have been entered into and that my applicable insurance or other financial guarantees are or shall be in force covering the transboundary movement.
 2. The full consignment shall be cleared in one lot by arranging authorised transporter under my supervision with due prior intimation to the SPCB/PCC, District Collector and Police Station and the imported waste shall be admitted in an enclosure especially provided in the premises.
 3. The waste permitted shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
 4. The record of consumption and fate of the imported waste shall be monitored and report sent to the SPCB/PCC every fortnight.
 5. At every step of consumption of 25, 50, 75 and 100% of the imported waste, the situation in the store shall be shown to the SPCB/PCC at our cost.
 6. The hazardous waste which gets generated in our premises by the use of imported hazardous and other wastes in the form of raw material shall be treated and disposed of and only as per conditions of authorisation.

7. I agree to bear the cost of export and mitigation of damages if any.
8. I am aware that there are significant penalties for submitting a false certificate/ undertaking/ disobedience of the rules and lawful orders including the possibility of fine and imprisonment.

Signature of the Applicant

Designation

Date.....

Place.....

FORM – 7

[See rules 14(6) and 15(7)]

TRANSBOUNDARY MOVEMENT-MOVEMENT DOCUMENT

S.No	Description	Details to be furnished by the exporter/importer
1	(i) Exporter (Name and Address) Contact Person Tele/Fax (ii) Waste Generator/exporter for category (name and address): Contact person with Tel./Fax (iii) Site of generation (excluded for category)	: : :
2.	Importer/recycler (name and address) Contact person with Tel/Fax Movement subject to single/multiple	: : :
3.	Corresponding to applicant Ref. No. If any	:
4.	Bill of lading (attach copy)	:
5.	Designation and chemical composition of the waste	:
6.	Physical characteristics ⁽³⁾	:
7.	Actual quantity kg/litre	:
8.	Waste identification code	:
	Basel No OECD No UN No ITC (HS) Customs Code (H.S.) Other (specify)	
9.	OECD Classification (2)	
	(a) amber/red/other[attach details] (b) number	
10.	Packaging type (3)	
	Number	
11.	UN Classification	
	UN Shipping name	
	UN Identification No.	
	UN Class (3)	
	H Number (3)	
	Y Number	
12.	Special handling requirements	

13.	Exporter's declaration for hazardous waste and other waste:		
	<p>I certify that the information in Sl. Nos. 1 to 12 above are complete and correct to my best knowledge. I also certify that legally-enforceable written contractual obligations have been entered into and are in force covering the transboundary movement regulations/rules.</p> <p>Date:..... Signature:.....</p> <p>Name:.....</p> <p>Exporter's declaration for waste paper:</p> <p>I certify that the information in Sl. Nos. 1 to 12 above are correct to the best of my knowledge. I also certify that legally-enforceable written contractual obligations have been entered into. I also certify that the consignment does not have any hazardous waste, municipal waste or biomedical waste.</p> <p>Date:..... Signature:.....</p> <p>Name:.....</p>		
TO BE COMPLETED BY IMPORTER/RECYCLER Item No. 7			
14.	Shipment received by importer/recycler Quantity received.....Kg/litres Date: Name: Signature:		
15.	Methods of Recovery		
	R code if applicable Technology employed (Attached details if necessary)		
16.	I certify that nothing other than declared goods covered as per these rules is intended to be imported in the above referred consignment and will be recycled. Signature: Date:		
17.	SPECIFIC CONDITIONS ON CONSENTING TO THE MOVEMENT if applicable.		(attach details)
Notes:- (1) Attach list, if more than one; (2) Enter X in appropriate box; (3) See codes on the reverse			

(x) Immediately contact competent authority; (4) If more than three carriers, attach information as required in SL. No. 5.

List of abbreviations used in the Movement Document

Recovery Operations (S.No.7)

- R1** Use as a fuel (other than in direct incineration) or other means to generate energy.
- R2** Solvent reclamation/regeneration.
- R3** Recycling/reclamation of organic substances which are not used as solvents.
- R4** Recycling/reclamation of metals and metal compounds.
- R5** Recycling/reclamation of other inorganic materials.
- R6** Regeneration of acids or bases.
- R7** Recovery of components used for pollution abatement.
- R8** Recovery of components from catalysts.
- R9** Used oil re-refining or other reuses of previously used oil.
- R10** Land treatment resulting in benefit to agriculture or ecological improvement
- R11** Uses of residual materials obtained from any of the operations numbered R 1 to R 10
- R12** Exchange of wastes for submission to any of the operations numbered R 1 to R 11.
- R13** Accumulation of material intended for any operation numbered R 1 to R 12

Form 8

[See rule 14 (8) and 15 (10)]

**FORMAT FOR MAINTAINING RECORDS
OF HAZARDOUS AND OTHER WASTES IMPORTED EXPORTED**

1. Name and address of the importer/exporter :
2. Date and reference number of issuance of
Permission/authorization to import/export hazardous and other wastes:
3. Description of hazardous and other wastes

S.No	Dates of Import/export and relevant consignment number	Origin /destination of waste	Total volume and weight (in kilograms)	Physical form	Chemical form	Test report

4. Description of storage, treatment and reuse of hazardous and other wastes :

S.No.	Dates of Import/export and relevant consignment number	Total volume and weight (in kilograms)	Test report	Method of Storage	Method of treatment and reuse (give details)

Form 9

[See rule 19 (2)]

TRANSPORT EMERGENCY (TREM) CARD

[To be carried by the transporter during transportation of hazardous and other wastes,

provided by the occupier or operator of a facility]

1. Characteristics of hazardous wastes :

S.No.	Type of waste	Physical properties/	Chemical constituents	Exposure hazards	First Aid requirements

2. Procedure to be followed in case of fire :

3. Procedure to be followed in case of spillage/accident/explosion :

4. For expert services, please contact :

Name and Address :

- ii) Telephone No. :

(Name and signature of occupier/authorised representative)

Form 10

[See rule 19 (2)]

MARKING OF HAZARDOUS WASTE AND OTHER WASTE CONTAINER

HAZARDOUS WASTE*

Handle with care

Waste category No.....	Compatible group.....
Total quantity	Date of storage
Contents and state of the waste :	
Sender's name and address	Receiver's name and address
Phone.....	Phone.....
E-mail.....	E-mail.....
Tel. and Fax No.....	Tel. and Fax No.....
Contact person.....	Contact person.....
In case of emergency please Contact	

Note:

1. *Background colour of lab I fluorescent yellow.*
2. *The word, 'HAZARDOUS WASTES' and HANDLE WITH CARE' to be prominent and written in red in Hindi, English and in vernacular language*
3. *Label should be of no-washable material.*

* delete which ever is not applicable

Form 11

[See rule 20 (1)]

HAZARDOUS WASTE AND OTHER WASTES MANIFEST

1.	Occupier's name and mailing address (including Phone No.) :	
2.	Occupier's authorisation No. :	
3.	Manifest Document No. :	
4.	Transporter's name and address :(including Phone No.)	
5.	Type of vehicle :	(Truck/Tanker/Special Vehicle)
6.	Transporter/s registration No. :	
7.	Vehicle registration No. :	
8.	Designated facility name & site address :	
9.	Facility's authorization No. :	
10.	Facility's hone :	
11.	Waste description :	
12.	Total quantity :m ³ or MT
13.	Consistency	(Solid/Semi-

	:	Solid/Sludge/Oily/Tarry/Slurry)																					
14.	Transport description of wastes :																						
15.	Containers :	Number	Type																				
16.	Total quantity :m ³ or MT																					
17.	Unit Wt/Vol. :m ³ or MT																					
18.	Waste category number :																						
19.	Special handling instructions and additional information :																						
20.	OCCUPIER'S CERTIFICATE	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labeled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.																					
	Typed name and stamp: Year	Signature:	Month Day																				
			<table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																				
21.	Transporter acknowledgement of receipt of Wastes																						

	Typed name and stamp: Year	Signature:	Month	Day																				
			<table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																					
22.	Discrepancy note space																							
23.	Facility owner or operator's certification of receipt of hazardous and other waste																							
	Typed name and stamp: Year	Signature:	Month	Day																				
			<table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																					

FORM 12

(See rule 23)

FORMAT OF ACCIDENT REPORT

[To be submitted by the occupier or operator of a facility and the transporter to the SPCB/ PCC]

1. The date and time of the accident :
2. Sequence of events leading to accident :
3. The hazardous and other wastes involvement in accident
4. The date for assessing the effects of the accident on health or the environment :
5. The emergency measures taken :
6. The steps taken to alleviate the effects of accidents :
7. The steps take to prevent the recurrence of such an accident :

[Place:

Signature:

Date:

Designation]

FORM 13

[See rule 25 (1) and (2)]

**APPLICATION FOR FILING APPEAL
AGAINST THE ORDER PASSED BY CPCB/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 authority :(certified copy of the order to which passed the order, against which appeal is be attached).
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.....

Name and address.....

Date:

-----X-----X-----

[23-16/2009- HSMD]

(Bishwanath Sinha)
Joint Secretary to Government of India