

Schedule III

[See rules 3(1),14(1),14(2) (i) ,(iii) and 15(1)]

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 in massive form as listed in B1020, any of 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 from the pickling of metals.
A1070	Leaching residues from zinc processing, dusts and sludges such as jarosite, hematite etc.,
A1080	Waste Zinc residues not included on list B containing lead and cadmium in concentrations sufficient to exhibit hazard characteristics indicated in Part C of Schedule - 3
A1090	Ashes from the incineration of insulated copper wire
A1100	Dusts and residues from gas cleaning systems of copper smelters.
A1110	Spent electrolytic solutions from copper electrorefining and electrowinning operations
A1120	Waste sludges, excluding anode slimes, from electrolytic purification systems in copper electrorefining and electrowinning operations.
A1130	Spent etching solutions containing dissolved copper.
A1150	Precious metal ash from incineration of printed circuit boards not included in list ' B'
A1160	Waste Lead acid batteries whole or crushed.
A1170	Unsorted waste batteries excluding mixtures of List B batteries.
A1180	Waste Electrical and electronic assemblies or scrap containing, components such

	as accumulators and other batteries included on list A, mercury-switches, activated glass cullets from cathode-ray tubes and other activated glass and PCB-capacitors, or contaminated with Schedule 2 constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of this Schedule (refer B1110)
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 catalysts but excluding such wastes specified on List B of Schedule 3
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 from production, formulation and use of resins, latex, plasticisers, glues/adhesives excluding such wastes 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 List B
A3120	Fluff: light fraction from shredding
A3130	Waste organic phosphorus compounds
A3140	Waste non-halogenated organic solvents but excluding such wastes specified on List 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 chloromethanes, dichloroethane, vinylchloride, vinylidene chloride, allyl 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 wastes specified on List 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 List B (B4010)
A4080	Wastes of an explosive nature excluding such wastes specified on List B
A4090	Waste acidic or basic solutions excluding those specified in List B (B2120)
A4100	Wastes from industrial pollution control devices for cleaning of industrial off-gases excluding such wastes specified on List B
A4120	Wastes that contain, consist of or are contaminated with peroxides.
A4130	Waste packages and containers containing any of the constituents mentioned in Schedule 2 to the extent of concentration limits specified therein.
A4140	Waste consisting of or containing off specification or out-dated chemicals containing any of the constituents mentioned in Schedule 2 to the extent of concentration limits specified therein.

A4150	Waste chemical substances arising from research and development or teaching activities which are not identified and/or are new and whose effects on human health and/or the environment are not known
A4160	Spent activated carbon not included on List 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 1, paragraph 1(a) of the Convention. Inclusion of wastes on this list does not preclude the use of hazard 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 the Schedule - 3 (Part-A) have been prohibited for import. Hazardous wastes in the Schedule – 3 (Part –A) are restricted and cannot be allowed to be imported without permission from Ministry of Environment & Forests and DGFT license.**

PART B

**List of Hazardous Wastes applicable for Import and Export
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 list 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 2 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 2 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 2 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**
	- Zinc-containing drosses: ** ~ 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**
	-Tantalum-bearing tin slags with less than 0.5% tin****
B1110	Electrical and electronic assemblies
	- Electronic assemblies consisting only of metals or alloys****

	- Waste electrical and electronic assemblies scrap (including printed circuit boards) not containing components such as accumulators and other batteries included on list A, 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 2 to the extent of concentration limits specified therein ****																																
	- Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) destined for direct reuse and not for recycling or final disposal.																																
B1120	Spent catalysts excluding liquids used as catalysts, containing any of: Transition metals, excluding waste catalysts (spent catalysts, liquid used catalysts or other catalysts) on list A: <table border="0"> <tr><td>Scandium</td><td>Titanium</td></tr> <tr><td>Vanadium</td><td>Chromium</td></tr> <tr><td>Manganese</td><td>Iron</td></tr> <tr><td>Cobalt</td><td>Nickel</td></tr> <tr><td>Copper</td><td>Zinc</td></tr> <tr><td>Yttrium</td><td>Zirconium</td></tr> <tr><td>Niobium</td><td>Molybdenum</td></tr> <tr><td>Hafnium</td><td>Tantalum</td></tr> <tr><td>Tungsten</td><td>Rhenium</td></tr> </table> Lanthanides (rare earth metals): <table border="0"> <tr><td>Lanthanum</td><td>Cerium</td></tr> <tr><td>Praseodymium</td><td>Neodymium</td></tr> <tr><td>Samarium</td><td>Europium</td></tr> <tr><td>Gadolinium</td><td>Terbium</td></tr> <tr><td>Dysprosium</td><td>Holmium</td></tr> <tr><td>Erbium</td><td>Thulium</td></tr> <tr><td>Ytterbium</td><td>Lutetium</td></tr> </table>	Scandium	Titanium	Vanadium	Chromium	Manganese	Iron	Cobalt	Nickel	Copper	Zinc	Yttrium	Zirconium	Niobium	Molybdenum	Hafnium	Tantalum	Tungsten	Rhenium	Lanthanum	Cerium	Praseodymium	Neodymium	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium
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Erbium	Thulium																																
Ytterbium	Lutetium																																
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 stabilized, 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:
	- Glass Culletts and other wastes and scrap of glass except activated glass culletts from cathode ray tubes and other activated glasses
B2030	Ceramic wastes in non-dispersible form:
	Cermet wastes and scrap (metal ceramic composites)
	- Ceramic based fibres
B2040	Other wastes containing principally inorganic constituents:
	- Partially refined calcium sulphate produced from flue gas desulphurisation (FGD)
	- Waste gypsum wallboard or plasterboard arising from the demolition of buildings
	- Sulphur in solid form

	<ul style="list-style-type: none"> - Limestone from production of calcium cyanamide (pH<9) - Sodium, potassium, calcium chlorides - Carborundum (silicon carbide) - Broken concrete - Lithium tantalum & 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 on list A A4160)
B2070	Calcium fluoride sludge
B2080	Waste gypsum arising from chemical industry processes unless it contains any of the constituents mentioned in Schedule 2 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
B3010	<p>Solid plastic waste</p> <p>The following plastic or mixed plastic waste, provided they are not mixed with other wastes and are 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 tere-phthalate
	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
	Polyamides
	- The following fluorinated polymer wastes (excluding post-consumer wastes):
	Perfluoroethylene/ propylene
	Perfluoroalkoxy alkane
	Metafluoroalkoxy alkane
	polyvinylfluoride
	polyvinylidene fluoride
B3020	Paper, paperboard and paper product wastes**** The following materials, provided they are not mixed with hazardous wastes: Waste and scrap of paper or paperboard of: <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 1) laminated paperboard 2) unsorted scrap.
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/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 on list A A4070)
B4020	Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives, not listed on list A, free of solvents and other contaminants to an extent that they do not exhibit Part C of Schedule 3 characteristics
B4030	Used single-use cameras, with batteries not included on list A

* This List is based on Annex. 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.

** Import permitted in the country without any license or restriction.

*** Import permitted in the country for recycling/reprocessing by units registered with MoEF/CPCB and having DGFT license .

**** Import permitted in the country by the actual users with MoEF permission and DGFT license.

All other wastes listed in this Schedule -3 (Par – B) having no ‘ Star/s’(*...) can only be imported in to the country with the permission of MoEF.

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 DGFT licence to units (actual users) registered with MoEF 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 DGFT licence for the purpose of processing or reuse by units registered with MoEF (actual users).
- (2) Zinc ash/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 DGFT licence to units registered with MoEF (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 DGFT licence and only for purpose of processing or reuse by units registered with MoEF (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 substances 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 surroundings (UN Class 1; HI)
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 of their dangerous characteristics) which give off a 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-cup 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 classed 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 substances 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.