

ANNEXURE - II

TREATMENT / DISPOSAL OPTIONS FOR SCHEDULE – 2 WASTES

	<u>Class A</u>	CH. / PH TR.	INC	SLF	RCL
A1	Antimony and antimony compounds	1	*	2	*
A2	Arsenic and arsenic compounds	1	*	2	*
A3	Beryllium and beryllium compounds	1	*	2	*
A4	Cadmium and cadmium compounds	1	*	2	*
A5	Chromium (VI) compounds	1	*	2	*
A6	Mercury and mercury compounds	1	*	2	*
A7	Selenium and selenium compounds	1	*	2	*
A8	Tellurium and tellurium compounds	1	*	2	*
A9	Thallium and thallium compounds	1	*	2	*
A10	Inorganic cyanide compounds	1	*	2	*
A11	Metal carbonyls	*	1	*	*
A12	Napthalene	*	1	*	*
A13	Anthracene	*	1	*	*
A14	Phenanthrene	*	1	*	*
A15	Chrysene, Benzo (a) anthracene, fluoranthene, benzo (a) pyrene, benzo (k) fluoranthene, indeno (1,2,3- cd) pyrene and benzo (ghi) perylene	*	1	*	*
A16	Halogenated compounds of aromatic rings, e.g. polychlorinated biphenyls, polychloroterphenyls and their derivatives	*	1	*	*
A17	Halogenated aromatic compounds	*	1	*	1
A18	Benzene	*	1	*	1
A19	Organo – chlorine pesticides	*	1	*	*
A20	Organo-tin Compounds	*	1	2	*
	<u>Class B</u>				
B1	Chromium (III) compounds	1	*	2	*
B2	Cobalt compounds	2	*	3	1
B3	Copper compounds	2	*	3	1
B4	Lead and lead compounds	2	*	3	1
B5	Molybdenum compounds	2	*	3	1
B6	Nickel compounds	2	*	3	1
B7	Inorganic Tin compounds	2	*	3	1
B8	Vanadium compounds	2	*	3	1
B9	Tungsten compounds	1	*	2	*
B10	Silver compounds	2	*	3	1
B11	Halogenated aliphatic compounds	*	1	*	1

B12	Organo phosphorus compounds	*	1	*	*
B13	Organic peroxides	1	1	*	*
B14	Organic nitro-and nitroso - compounds	*	2	*	1
B15	Organic azo-and azoxy compounds	*	1	*	*
B16	Nitriles	*	1	*	*
B17	Amines	*	1	*	*
B18	(Iso-and thio-) cyanates	*	1	*	*
B19	Phenol and phenolic compounds	*	2	*	1
B20	Mercaptans	*	1	*	*
B21	Asbestos	2	*	3	1
B22	Halogen - silanes	1	*	2	*
B23	Hydrazine (s)	*	1	*	*
B24	Flourine	1	*	2	2
B25	Chlorine	1	*	2	2
B26	Bromine	1	*	2	2
B27	White and red phosphorus	*	1	*	*
B28	Ferro – silicate and alloys	?	?	?	?
B29	Manganese – silicate	?	?	?	?
B30	Halogen – containin g compounds which produce acidic vapours on contact with humid air or water, e.g. silicon tetrachloride, alu minium chloride, titanium tetrachloride	1	*	2	*
	<u>Class C</u>				
C1	Ammonia and ammonium compounds	1	*	*	1
C2	Inorganic peroxides	1	*	2	*
C3	Barium compounds except barium sulphate	1	*	2	*
C4	Fluorine compounds	1	*	2	*
C5	Phosphate compounds except phosphates of aluminium, calcium and iron	*	*	1	2
C6	Bromates, (hypo – bromites)	1	*	2	*
C7	Chlorates, (hypo – chlorites)	1	*	2	*
C8	Aromatic compounds other than those listed under A12 to A18	1	*	2	*
C9	Organic silicone compounds	*	1	*	1
C10	Organic sulphur compounds	*	1	*	*
C11	Iodates	1	*	2	*
C12	Nitrates, nitrites	*	1	*	*
C13	Sulphides	1	*	2	*
C14	Zinc compounds	1	*	2	*
C15	Salts of per - acids	2	*	3	1

C16	Acid amides	*	1	*	*
C17	Acid anhydrides	*	1	*	*
	<u>Class D</u>				
D1	Total Sulphur	1	1	*	*
D2	Inorganic acids	1	*	2	*
D3	Metal Hydrogen sulphates	1	*	2	*
D4	Oxide and hydroxides except those of hydrogen, carbon, silicon, iron, aluminum, titanium, magnesium, calcium	1	*	2	*
D5	Total hydrocarbons other than those listed under A12 to A18	*	1	*	1
D6	Organic oxygen compounds	*	1	*	*
D7	Organic nitrogen compounds	*	1	*	*
D8	Nitrides	1	*	2	*
D9	Hydrides	1	*	2	*
	<u>Class E</u>				
E1	Flammable substances	*	1	*	*
E2	Substances which generate hazardous quantities of flammable gases on contact with water or damp air	*	1	*	*

Note : CH/PH TR : Chemical-Physical Treatment prior to further Disposal

SLF : Secure Landfill

INC : Incineration

RCL : Recycle

- 1,2,3 indicates Order of preference for the Treatment/Disposal option.
- A number appearing twice indicates possible treatment by both options depending upon merits.
- Sign ‘*’ Indicates Not possible to treat by this option.