

Note:-

- (i) All effort shall be made to reuse and re-circulate the water and to maintain 'Zero discharge'.
- (ii) Stormwater drain shall be provided within the premises of the industry so as to avoid mixing with effluent].

¹[100. COMMON HAZARDOUS WASTE INCINERATOR

A. Emission		
	Limiting concentration in mg/Nm ³ unless stated	Sampling Duration in (minutes) unless stated
Particulate Matter	50	30
HCL	50	30
SO ₂	200	30
CO	100	30
	50	24 hours
Total Organic Carbon	20	30
HF	4	30
NO _x (NO and NO ₂ , expressed as NO ₂)	400	30
Total dioxins and furans	0.1 ngETQ/Nm ³	8 hours
Cd+Th+their compounds	0.05	2 hours
Hg and its compounds	0.05	2 hours
Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V+their compounds	0.50	2 hours

¹ Inserted by Rule 2 of the Environment (Protection) Fifth Amendment Rules, 2008 notified by G.S.R.481(E), dated 26.6.2008.

Notes:

- i. All monitored values shall be corrected to 11 % oxygen on dry basis.
- ii. The CO₂ concentration in tail gas shall not be less than 7%.
- iii. In case, halogenated organic waste is less than 1% by weight in input waste, all the facilities in twin chamber incinerators shall be designed to achieve a minimum temperature of 950°C in secondary combustion chamber and with a gas residence time in secondary combustion chamber not less than 2 (two) seconds.
- iv. In case halogenated organic waste is more than 1% by weight in input waste, waste shall be incinerated only in twin chamber incinerators and all the facilities shall be designed to achieve a minimum temperature of 1100°C in secondary combustion chamber with a gas residence time in secondary combustion chamber not less than 2 (two seconds).
- v. Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight].