

Environmental Standards

Emission

ALUMINIUM : EMISSION STANDARDS

	Pollutants	Emission Limit
(a) Alumina Plant		
i) Raw Material Handling and Secondary Crusher	(Primary Particulate Matter	150 mg/Nm ³
ii) Precipitation Areas calcination	Particulate Matter Carbon Monoxide Stack Height	250 mg/Nm ³ 1% max. $H=14(Q)0.3$ where, Q is emission rate of SO ₂ in kg/hr and H is stack height in metres
(b) Smelter Plant		
i) Green Anode Shop	Particulate Matter	150 mg/Nm ³
ii) Anode Bake Oven	-do- Total Fluoride(F)	150 mg/Nm ³ 0.3 kg/tonne of Aluminium
iii) Pot-room	Particulate Matter Total Fluoride (F) VSS HSS PBSW PBCW Stack Height	150 mg/Nm ³ 4.7 kg/tonne of Aluminium produced 6.0 kg/tonne of Aluminium produced 2.5 kg/tonne of Aluminium produced 1.0 kg/tonne of Aluminium produced $H=14(Q)0.3$ where Q is emission rate of SO ₂ in kg/hr and H is stack height in metres.

NOTE :

VSS = Vertical Stud Soderberg; HSS = Horizontal Stud Soderberg
PBSW = Prebacked Side Worked; and PBCW = Prebacked Centre Worked

**Source : EPA Notification
[G.S.R. 742(E), dt 30 Aug., 1990]**