

Sr. No.	Industry	Parameter	Standards
1	2	3	4
34.	SMALL BOILERS Capacity of Boiler	EMISSIONS* Particulate matter	
	- Less than 2 ton/hr.		1600
	- 2 to 5 ton/hr		1200
	More than 15 ton/hr.		150
¹ [² 35.	COFFEE INDUSTRY	Instant/Dry Processing	
			Limiting value for concentration in mg/l except for pH
		pH	6.5-8.5
		BOD _{3 day, 27° C}	100
		Total Dissolved Solids	2100
		Wet/Parchment Coffee Processing	
		pH	6.5-8.5
		BOD _{3 day, 27° C}	1000

Notes:

- (i) Coffee growers having plantation area less than 10 ha with wet processing shall store primary treated effluent in lined lagoons for solar evaporation with a non-permeable system at the base and sides of lagoon.
- (ii) Coffee growers having plantation area between 10-25 ha with wet processing shall store primary (equalization and neutralization) treated effluent in lined lagoons for solar evaporation with a non-permeable system at the base and sides of lagoon.
- (iii) Coffee growers having plantation area 25 ha or above with wet processing shall store secondary treated effluent in conformity with above norms in lined lagoons with a non-permeable lining system at the base and side of lagoon and use the effluent for irrigation after dilution so as BOD of diluted effluent for land application is less than 100 mg/l.
- (iv) The minimum liner specifications for a non-permeably lining system shall be a composite barrier having 1.5 mm High Density Polyethylene (HDPE) geomembrane or equivalent, overlying 90 cm of soil (clay or amended soil) having permeability coefficient not more than 1×10^{-5} cm/sec.
- (v) The effluent storage facilities/lagoons/solar evaporation ponds shall be located above high flood level mark of the nearby stream, rivulet etc. with below mentioned free board and away from any water body/stream at a distance.

* All emissions normalized to 12 per cent carbon dioxide.

¹ Omitted entry relating to **Oil Refineries (Sulphur Dioxide)** by Rule 2 (i) (b) of the Environment (Protection) Amendment Rules, 2008 notified by G.S.R. 186 (E), dated 18.3.2008.

² Inserted by Rule 2 of the Environment (Protection) Sixth Amendment Rules, 2008 notified by G.S.R.579(E), dated 6.8.2008

Sr. No.	Industry	Parameter	Standards
1	2	3	4
		Grower	Small (<10ha)
		Free Based (cm)	30
		Distance (m)	50
			60
			90
			100
			150
		(vi) Raw, Treated and/or diluted effluent shall be discharged into surface water body or used for recharging groundwater under any circumstances what so ever].	
36.	ALUMINIUM PLANTS:	EMISSIONS	
	(a)Alumina Plant:		
	(i) Raw Material Handling	Primary and Secondary Crusher Particulate Matter	150
	(ii) Precipitation Area		
	- Calcination	Particulate matter	250
		Carbon Monoxide	1% max.
		Stack Height	$H=14 (Q)^{0.3}$ Where Q is emission rate of SO ₂ in kg/hr and H-Stack height in meters.
	(b)Smelter Plant	Particulate Matter	
	(i)Green Anode Shop	Particulate Matter	150
	¹ [(ii)Anode Bake Oven	Particulate Matter	50 mg/Nm ³
		Total Fluoride (F)	0.3 kg/MT of Aluminium.
	(iii)Pot room	Particulate matter	150
		Total Fluoride For Soderberg* Technology	2.8 Kg/ton by 31 st December 2006
		For Pre-baked Technology	0.8 kg/t by 31 st December 2006

¹ Substituted by Rule 2(iv) (a) amended by Rule 2 (IV) (a) of the Environment (Protection) First Amendment Rules, 2006 notified vide Notification G.S.R.46(E), dated 3.2.2006.