

Sr. No.	Industry	Parameter	Standards
1	2	3	4
<sup>1</sup> [18.	<b>OMITTED</b>		
19.	<b>CALCIUM CARBIDE</b>	Particulate Matter Emission  - Kiln  - Arc Furnace	250 milligramme per normal cubic metre.  150 milligramme per normal cubic metre.
20.	<b>CARBON BLACK</b>	Particulate matter Emission	150 milligramme per normal cubic metre.
21.	<b>COPPER, LEAD AND ZINC SMELTING</b>	Particulate Matter Emission in Concentrator  Emission of Oxides of Sulphur in Smelter & convertor	150 milligramme per normal cubic metre.  Off-gases must be utilized for sulphuric acid manufacture. The limits of sulphur dioxide emission from stock shall not exceed 4 kilogramme per tonne of concentrated (one hundred per cent acide produced).
22.	<b>NITRIC ACID (EMISSION OXIDES OF NITROGEN)</b>	Emission of Oxides of Nitrogen	3 kilogramme of oxides of nitrogen per tonne of weak acid (before concentration) produced.
<sup>2</sup> [23.	<b>SULPHURIC ACID PLANT</b>	Emission standards Limiting concentration in mg/Nm <sup>3</sup> , unless stated  Plant capacity for 100% concentration of Sulphuric Acid (tonne/day)	

<sup>1</sup> Sr. No.18 relating to "Aluminum" and entries relating thereto omitted by Rule 2(II) of the Environment (Protection) First Amendment Rules, 2006 notified by G.S.R. 46(E), dated 3.2.2006.

<sup>2</sup> Substituted by Rule 2(I) of the Environment (Protection) Third Amendment Rules, 2008 notified by G.S.R. 344(E), dated 7.5.2008.

Sr. No.	Industry	Parameter	Standards	
1	2	3	4	
			<u>Existing Unit</u>	<u>New Unit</u>
	Sulphur dioxide	(SO <sub>2</sub> ) upto 300	1370	1250
		Above 300	1250	950
	Acid Mist/Sulphur Trioxide	Up to 300	90	70
		Above 300	70	50

**Note:**

- (i) Scrubbing units shall have on-line pH meters with auto recording facility.
- (ii) The height of the stack emitting sulphur-dioxide or acid mist shall be of minimum of 30 metre or as per the formula  $H=14(Q)^{0.3}$  (whichever is more). Where "H" is the height of stack in metre; and "Q" is the maximum quantity of SO<sub>2</sub> expected to be emitted through the stack at 110 per cent rated capacity of the plants and calculated as per the norms of gaseous emission.
- (iii) Plants having more than one stream or unit of sulphuric acid at one location, the combined capacity of all the streams and units shall be taken into consideration for determining the stack height and applicability of emission standards.
- (iv) Plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be equal to main stack].

24.	<b>IRON &amp; STEEL (INTEGRATED)</b>	Particulate Matter Emission	
		- Sintering Plant	150 milligramme per normal cubic metre
		- Steel making	
		-- during normal operations	150 milligramme per normal cubic metre.
		--during oxygen lancing	400 milligramme per normal cubic metre.
		- Rolling Mill	150 milligramme per normal cubic metre.
		- Carbon monoxide from coke oven	3 kilogramme per tonne of coke produced.