

## EMISSION STANDARDS FOR SULPHURIC ACID PLANT

Emission Standards					
Limiting Concentration in mg/Nm <sup>3</sup>				Quantum limit (Kg/MT of 100% conc. acid production)	
Sulphur dioxide(SO <sub>2</sub> )	Plant Capacity for 100% concentration of Sulphuric Acid (T/day)	Existing Unit	New Unit	Existing Plant	New unit
	Upto 300	1370	1250	2.5	2.0
	Above 300	1250	950	2.0	1.5
Acid Mist/ sulphur Trioxide	Upto 300	90	70	-	-
	Above 300	70	50	-	-

Notes:

- 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 30 metre or as per the formula  $H = 14 (Q)^{0.3}$  (whichever is more)

Where "H" is the Height of Stack in meters; and "Q" is the maximum quantity of SO<sub>2</sub> expected to be emitted through the stack at 110 percent of the 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 considered 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.

**Source: EPA Notification  
[G.S.R.344 (E), dt. 7<sup>th</sup> May; 2008]**