

Ambient Air Quality Standards (National)

Pollutants	Time-weighted average	Concentration in ambient air			Method of measurement
		Sensitive of Area	Industrial Area	Residential, Rural & Other areas	
Sulphur	Annual Average*	15 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$	60 $\mu\text{g}/\text{m}^3$	Improved West and Greek Method
Dioxide (SO_2)	24 hours**	30 $\mu\text{g}/\text{m}^3$	120 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$	Ultraviolet Fluorescence
Oxide of Nitrogen as NO_2	Annual*	15 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$	60 $\mu\text{g}/\text{m}^3$	Jacob & Ochheiser modified (Na-Arsenite) Method
	24 hours**	30 $\mu\text{g}/\text{m}^3$	120 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$	Gas Phase Chemilumloescence
Suspended Particulate Matter (SPM)	Annual	70 $\mu\text{g}/\text{m}^3$	360 $\mu\text{g}/\text{m}^3$	140 $\mu\text{g}/\text{m}^3$	High volume sampling. (Average flow rate not less than 1.1 m^3 /minute)
	24 hours**	100 $\mu\text{g}/\text{m}^3$	500 $\mu\text{g}/\text{m}^3$	200 $\mu\text{g}/\text{m}^3$	
Respirable Particulate matter (RPM), (size less than 10 μm)	Annual	50 $\mu\text{g}/\text{m}^3$	120 $\mu\text{g}/\text{m}^3$	60 $\mu\text{g}/\text{m}^3$	Respirable particulate matter sampler
	24 hours**	75 $\mu\text{g}/\text{m}^3$	150 $\mu\text{g}/\text{m}^3$	100 $\mu\text{g}/\text{m}^3$	
Lead (Pb)	Annual	0.50 $\mu\text{g}/\text{m}^3$	1.0 $\mu\text{g}/\text{m}^3$	0.75 $\mu\text{g}/\text{m}^3$	ASS Method after sampling using EPM 2000 or equivalent Filter paper
	24 hours**	0.75 $\mu\text{g}/\text{m}^3$	1.5 $\mu\text{g}/\text{m}^3$	1.00 $\mu\text{g}/\text{m}^3$	
Carbon Monoxide (CO)	8 hours**	1.0 $\mu\text{g}/\text{m}^3$	5.0 $\mu\text{g}/\text{m}^3$	2.0 $\mu\text{g}/\text{m}^3$	Non dispersive infra red Spectroscopy
	1 hour	2.0 $\mu\text{g}/\text{m}^3$	10.0 $\mu\text{g}/\text{m}^3$	4.0 $\mu\text{g}/\text{m}^3$	

* Annual Arithmetic mean of minimum 104 measurements in a year taken twice a week 24 hourly at uniform interval.

** 24 hourly/8 hourly values should be met 98 % of the time in a year. However, 2 % of the time, it may exceed but not on two consecutive days.

NOTE:

1. National Ambient Air Quality Standard: The levels of air quality with an adequate margin of safety, to protect the public health, vegetation and property.
2. Whenever and wherever two consecutive values exceeds the limit specified above for the respective category, it would be considered adequate reason to institute regular / continuous monitoring and further investigations.