

## NATIONAL AMBIENT AIR QUALITY STANDARDS

Pollutant	Time Weighted Average	Concentration in Ambient Air		Method of Measurement
		Industrial, Residential, Rural & other Areas	Ecologically sensitive area (Notified by Central Government)	
Sulphur Dioxide (SO <sub>2</sub> )	Annual* 24 Hours**	50 µg/m <sup>3</sup> 80 µg/m <sup>3</sup>	20 µg/m <sup>3</sup> 80 µg/m <sup>3</sup>	- Improved West and Gacke method. - Ultraviolet fluorescence.
Nitrogen Dioxide (NO <sub>2</sub> )	Annual* 24 Hours**	40 µg/m <sup>3</sup> 80 µg/m <sup>3</sup>	30 µg/m <sup>3</sup> 80 µg/m <sup>3</sup>	- Modified Jacob & Hochheiser (Na-Arsenite) Method. - Chemiluminescence.
Particulate Matter (Size less than 10 µm) or PM <sub>10</sub>	Annual* 24 Hours**	60 µg/m <sup>3</sup> 100 µg/m <sup>3</sup>	60 µg/m <sup>3</sup> 100 µg/m <sup>3</sup>	- Gravimetric. - TOEM. - Beta attenuation.
Particulate Matter (Size less than 2.5 µm) or PM <sub>2.5</sub>	Annual* 24 Hours**	40 µg/m <sup>3</sup> 60 µg/m <sup>3</sup>	40 µg/m <sup>3</sup> 60 µg/m <sup>3</sup>	- Gravimetric. - TOEM. - Beta attenuation.

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

\*\* 24 hourly/8 hourly/1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

**Note:**

Whenever & wherever monitoring results on two consecutive days of monitoring exceeds the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.