

**CENTRAL POLLUTION CONTROL BOARD**

**National Ambient Air Quality Standards**

**NOTIFICATION**

Delhi, the 11<sup>th</sup> April, 1994

**S.O. 384(E).** - The Central Pollution Control Board in exercise of its powers conferred under section 16 (2) (h) of the Air (Prevention and Control of Pollution) Act, 1981(14 of 1981) hereby notify the National Ambient Air Quality Standards with immediate effect.

**SCHEDULE-1**

Pollutant	Concentration in ambient air			Method of measurement
	Industrial Area	Residential. Rural & other areas,	Sensitive Area	
	3	4	5	6
SO <sub>2</sub> *	80 µg/m <sup>3</sup>	60µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	Improved West and Gacke method
	120 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	30 µg/m <sup>3</sup>	Ultraviolet fluorescence
NO <sub>x</sub> *	80 µg/m <sup>3</sup>	60µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	Jacob & Hochheiser modified ( Na-Arsenite) Method
	120 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	30 µg/m <sup>3</sup>	Gas Phase Chemiluminescence
CO*	360 µg/m <sup>3</sup>	140 µg/m <sup>3</sup>	70 µg/m <sup>3</sup>	(Average flow rate not less than 1.1 m <sup>3</sup> /minute)
	500 µg/m <sup>3</sup>	200 µg/m <sup>3</sup>	100 µg/m <sup>3</sup>	
PM <sub>10</sub> *	120 µg/m <sup>3</sup>	60µg/m <sup>3</sup>	50µg/m <sup>3</sup>	
	150µg/m <sup>3</sup>	100µg/m <sup>3</sup>	75µg/m <sup>3</sup>	
PM <sub>2.5</sub> *	1.0µg/m <sup>3</sup>	0.75µg/m <sup>3</sup>	0.50µg/m <sup>3</sup>	AAS Method after sampling using

	1.5 $\mu$ g/m $\diamond$	1.00 $\mu$ g/m $\diamond$	0.75 $\mu$ g/m $\diamond$	EPM 2000 or equivalent filter paper
	5.0 $\mu$ g/m $\diamond$	2.0 $\mu$ g/m $\diamond$	1.0 $\mu$ g/m $\diamond$	Non dispersive infrared spectroscopy
	10.0 $\mu$ g/m $\diamond$	4.0 $\mu$ g/m $\diamond$	2.0 $\mu$ g/m $\diamond$	

\* 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:**

a. National Ambient Air Quality Standard: The levels of air quality necessary with an adequate margin of safety, to protect the public health, vegetation and property.

b. 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.

c. The State Government/State Board shall notify the sensitive and other areas in the respective states within a period of six months from the date of Notification of National Ambient Air Quality Standards.

[F.N.B-33014/4/90]

D. K. BISWAS, Chairman