

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 17.6.2022

(BASED ON WHO GUIDELINES - 2021)

Permissible Limits (24 Hour Mean): PM₁₀ = 45; PM_{2.5} = 15, all units are in µg/m³

	Date Today: June 17 – 16 Yesterday June 16 – 15	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: June 17 – 16 Yesterday June 16 – 15	SANJAY PLACE (ARITHMETIC MEAN DATA)								
		Concentration (µg/m³)		Meteorological Parameters								Concentration (µg/m³)		Meteorological Parameters						
		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m²	RF mm		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m²	RF mm
							Max	Min									Max	Min		
4 / 97	Today	10↓	30	71	4.6	NE	39.1	27.1	82	3	Today	27	90↑	64	3.9	ESE	41	28.6	128	3
	Yesterday	05	29	46	4.7	NNE	43.3	32.6	140	0										
3 / 34	Today	15↓	25↓	69	4.6	NE	39.1	27.3	84	3	Yesterday	26	127	42	3.7	S	44.7	34.8	199	0
	Yesterday	09	22	46	4.7	NNE	42.6	32.7	142	0										
Science Faculty	Today	13↓	23↓	71	4.6	NE	39.5	27.4	82	3										
	Yesterday	08	20	46	4.7	NNE	43.7	32.6	140	0										

Within WHO 2021 Limits

Beyond WHO 2021 Limits

Views of AQI Research Group: In comparison to yesterday, the concentrations of PM_{2.5} and PM₁₀ have marginally increased at all the three locations of Dayalbagh. This increase may be attributed to increase in Relative Humidity promoting coagulation, agglomeration of ultra-fine particles and gas-to-particle conversion processes in the atmosphere. Concentrations of both PM_{2.5} and PM₁₀ are within the WHO permissible limits at all the three locations of Dayalbagh.

At Sanjay Place, there is a marginal change in the concentration of PM_{2.5} and a significant decrease in concentration of PM₁₀. The concentrations of both PM_{2.5} and PM₁₀ are beyond the WHO limits.

Perused By Way of Information Only.
Subject To Legalise/Legalese/"Laws of the Land".

Friday, 17-06-2022, 05:01 PM
Received, Friday, 17-06-2022, 12:47 PM

Since WHO (World Health Organization) Guidelines only provide a single value for permissible PM_{2.5} and PM₁₀ pollutant concentrations and do not provide concentration bands for the different Air Quality Index (AQI) categories ranging from **Good** to **Hazardous for All**, as does the US EPA (United States Environmental Protection Agency), the Report 2 annexed based on US EPA norms may be referred to, for Air Quality Index (AQI) categories.