

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 15.7.2022

(BASED ON WHO GUIDELINES - 2021)

Permissible Limits (24 Hour Mean): $PM_{10} = 45$; $PM_{2.5} = 15$, all units are in $\mu g/m^3$

	Date Today: July 15 – 14 Yesterday July 14 – 13	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: July 15 – 14 Yesterday July 14 – 13	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	05	17	62	5.6	S	39.7	30.9	237	0	Today	22↑	80↓	53	4.0	SSE	42	32.4	238	0
	Yesterday	07	19	68	3.5	S	39.6	30.3	225	2.5										
3 / 34	Today	10↑	14↑	63	5.6	S	38.6	30.7	237	0	Yesterday	29	68	57	2.5	NE	42.0	32.3	244	0
	Yesterday	17	21	69	3.6	S	38.9	30.0	225	2.5										
Science Faculty	Today	11	14↑	63	5.6	S	39.1	30.6	237	0	Yesterday									
	Yesterday	12	18	70	3.6	S	39.5	29.7	225	2.5										

COLOUR-CODE:

Within WHO 2021 Limits

Outside WHO 2021 Limits

Views of AQI Research Group: In comparison to yesterday, the concentrations of both $PM_{2.5}$ and PM_{10} have decreased at all three locations of Dayalbagh. This decrease may probably be due to decrease in Relative Humidity and increase in Wind Speed. Concentrations of both $PM_{2.5}$ and PM_{10} are within WHO permissible limits at all three locations of Dayalbagh.

At Sanjay Place, the concentrations of $PM_{2.5}$ have decreased and PM_{10} have increased and remain outside the WHO permissible limits.

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

Friday, 15-07-2022, 02:02 PM
Received, Thursday, 15-07-2022, 12:28 PM

Since WHO (World Health Organization) Guidelines only provide a single value for permissible $PM_{2.5}$ and PM_{10} 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) & Water Quality Index (WQI) categories.

Why list separately concentrations of 2.5 "micron" & 10 "micron" sub-atomic particles? : as and when needed, US EPA Formula will provide required bifurcation. Hence, here onwards, list only WHO Conformance, which is what matters.