

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 14.7.2022

(BASED ON WHO GUIDELINES - 2021)

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

	Date Today: July 14 – 13 Yesterday July 13 – 12	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: July 14 – 13 Yesterday July 13 – 12	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	7↑	19↑	68	3.5	S	39.6	30.3	225	2.5	Today	29↑	68↑	57	2.5	NE	42.0	32.3	244	0
	Yesterday	15	29	76	3.4	S	41.2	30.0	206	3.3										
3 / 34	Today	17↑	21↑	69	3.6	S	38.9	30.0	225	2.5	Yesterday	35	40	76	3.4	S	39.5	29.0	206	3.3
	Yesterday																			
Science Faculty	Today	12↑	18↑	70	3.6	S	39.5	29.7	225	2.5	Yesterday	35	73	67	2.4	ENE	41.7	30.3	201	4.5
	Yesterday	22	29	77	3.4	S	40.4	28.9	206	3.3										

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 significantly decreased at all three locations of Dayalbagh. This decrease may probably be due to decrease in Relative Humidity. Concentrations of $PM_{2.5}$ are within WHO permissible limits at Vidyut Nagar and Science Faculty but are outside the WHO permissible limits at Prem Nagar, while PM_{10} concentrations are within the WHO permissible limits at all three locations of Dayalbagh.

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

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.