

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 5.7.2022

(BASED ON WHO GUIDELINES - 2021)

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

	<div>Date</div> <div>Today: July 5 – 4</div> <div>Yesterday</div> <div>July 4 – 3</div>	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									<div>Date</div> <div>Today: July 5 – 4</div> <div>Yesterday</div> <div>July 4 – 3</div>	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	21↓	33↓	73	2.9	SSE	39.4	29.7	228	0	Today	37↓	93↓	64	1.1	NE	39.9	31.9	237	0
	Yesterday	15	25	80	2.3	SE	37.2	26.8	219	15										
3 / 34	Today	32↓	41↓	74	2.9	SSE	38.7	29.5	228	0	Yesterday	23	50	70	1.6	NE	39	28.3	227	15.5
	Yesterday	22	29	80	2.3	SE	37.2	26.8	219	15										
Science Faculty	Today	28↓	36↓	74	2.9	SSE	38.3	29.3	228	0										
	Yesterday	20	25	81	2.3	SE	36.7	26.8	219	15										

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 increased at all the three locations of Dayalbagh. Concentrations of $PM_{2.5}$ are outside the WHO permissible limits while, concentrations of PM_{10} are within the WHO permissible limits at the three locations.

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

Despite heavy rainfall early morning yesterday, particulate concentrations have increased. On rainy days, air pollutants would be associated and covered with water vapor, which is more likely to cause their accumulation. This may have probably increased the particulate concentrations.

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

Tuesday, 05-07-2022, 05:38 PM
Received, Tuesday, 05-07-2022, 12:40 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.