

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 9.7.2022

(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 9 – 8 Yesterday July 8 – 7	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: July 9 – 8 Yesterday July 8 – 7	SANJAY PLACE (ARITHMETIC MEAN DATA)								
		Concentration ($\mu\text{g}/\text{m}^3$)		Meteorological Parameters								Concentration ($\mu\text{g}/\text{m}^3$)		Meteorological Parameters						
		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm
Max	Min						Max	Min												
4 / 97	Today	18	32	65	4.1	SSE	38.3	30.7	233	0	Today	40	81↓	55	1.8	N	41.8	33.4	215	0
	Yesterday	18	32	74	4.1	SSE	37.9	30.7	201	2		Yesterday	39	76	56	2.8	N	41.3	32	239
3 / 34	Today	28	32	66	4.2	SSE	37.8	30.5	233	0	Yesterday		39	76	56	2.8	N	41.3	32	239
	Yesterday	27	31	75	4.1	SSE	37.4	30.4	201	2										
Science Faculty	Today	25	32	67	4.1	SSE	37.9	30.4	233	0	Yesterday	39	76	56	2.8	N	41.3	32	239	0
	Yesterday	26	31	74	4.1	SSE	37.6	30.2	201	2										

COLOUR-CODE:

Within WHO 2021 Limits

Outside WHO 2021 Limits

Views of AQI Research Group In comparison to yesterday, at all the three locations of Dayalbagh, the concentrations of both $PM_{2.5}$ and PM_{10} have remained nearly constant. Concentrations of $PM_{2.5}$ are outside the WHO permissible limits while PM_{10} are within the WHO permissible limits at the three locations.

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

Analysis of hourly data shows that particulate matter concentrations ($PM_{2.5}$ and PM_{10}) increase with increase in Relative Humidity. Further, a good correlation ($r > 0.8$) was observed between Relative Humidity and particulate matter concentrations ($PM_{2.5}$ and PM_{10}).

GM Agroecology-Precision Farming, Prof. (Dr.) Vishal Sahni has assumed charge w.e.f. 03:00 AM , 10.07.2022 and has been particularly briefed about the sad situation prevailing in "Dayalbagh Field Seva"; and is expected to remedy this in sure & steady steps in reasonable time-frame.

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

Sunday, 10-07-2022, 04:04 AM
Received, Saturday, 09-07-2022, 01:17 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.