Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 8.7.2022 (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 8 – 7	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)								
		Concentration (µg/m³)		Meteorological Parameters							Today : July 8 – 7	Concentration (µg/m³)		Meteorological Parameters						
	Yesterday	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR	RF	Yesterday			RH	ws		T °C		SR	RF
	July 7 – 6						Max	Min	W/m ²	mm	July 7 – 6	PM _{2.5}	PM ₁₀	%	m/s	WD	Max	Min	W/m ²	mm
4 / 97	Today	18	32	65	4.1	SSE	38.3	30.7	233	0	Today	39↑	76↓	56	2.8	N	41.3	32	239	0
	Yesterday	20	34	74	4.1	SSE	37.9	30.7	201	2										
3/34	Today	27↑	31↑	66	4.2	SSE	37.8	30.5	233	0										
	Yesterday	34	41	75	4.1	SSE	37.4	30.4	201	2										
Science Faculty	Today	26	31↑	67	4.1	SSE	37.9	30.4	233	0	Yesterday	44	71	64	2.5	NE	41	32.1	206	0
	Yesterday	28	36	74	4.1	SSE	37.6	30.2	201	2									<u> </u>	

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 decreased. Examination of the hourly data reveals that $PM_{2.5}$ values were within WHO permissible limits till 9:00 pm yesterday (when Relative Humidity was < 60%), after which they increased dramatically 3 - 4 times (when Relative Humidity increased to > 70%). 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} have decreased and PM₁₀ have increased, but both are still 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.

Accordingly, it is proposed to increase the spraying intesnsity and duration, as and when needed for the next three days and report the conclusions (Via Control Group & Experimental Group).

Perused By Way of Information Only,

Subject To Legalise/Legalese/"Laws of the Land".

Friday, 08-07-2022, 05:04 PM

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