Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 7.4.2022
(BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) :   PM₁₀ = 150; PM₂.₅ = 35, all units are in µg/m³ | **Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)**

Date Today: April 7 – 6 Yesterday April 6 - 5	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: April 7 – 6 Yesterday April 6 - 5	SANJAY PLACE (ARITHMETIC MEAN DATA)								
	Air Quality Index		Meteorological Parameters								AQI		Meteorological Parameters						
	PM₂.₅	PM₁₀	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m²	RF mm		PM₂.₅	PM₁₀	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m²	RF mm
4 / 97 Today	82	74	26	2.0	SSE	42.8	23.7	140	0	Today	163	145	27	1.8	NE	43.9	26.4	178	0
4 / 97 Yesterday	89	81	26	2.1	SSE	42.2	23.9	147	0										
3 / 34 Today	102	57	30	2.0	SSE	41.6	24.0	135	0										
3 / 34 Yesterday	107	60	28	2.1	SSE	41.3	24.1	137	0	Yesterday	164	142	27	2.1	NNE	43.0	22.7	184	0
Science Faculty Today	107	63	30	2.0	SSE	41.8	23.0	145	0										
Science Faculty Yesterday	112	66	29	2.1	SSE	41.6	23.0	147	0										

Views of AQI Research Group: The AQI at Dayalbagh remained better than that at Sanjay Place. Compared to yesterday, at Dayalbagh the AQI levels reduced for both the micron Particulate Pollutants perhaps due to increase in Maximum Temperature causing expansion of Atmospheric Boundary Layer (ABL).

Remarks of Revered Chairman-ACE:

Received: Thursday, 7 April 2022, 10:39 AM

Perused: Subject to Legalese / Legalise / "Laws of the Land"

Thursday, 7 April 2022, PM

Good -G	Moderate- M	Unhealthy for Sensitive Groups- UHS	Unhealthy for All- UHA	Very Unhealthy for All-VUHA	Hazardous for All- HZA	Hazardous for All-HZA

NOTE: 1 A continuous study conducted as part of **Dayalbagh Sigma Six Qualities and Values Model** implementation.

2 DEI is using United States Environmental Protection Agency (USEPA) methodology and online calculators to calculate AQI. For fair comparison with UPPCB Sanjay Place Weather Station readings, their PM₂.₅ concentration readings are fed in USEPA online calculator for AQI calculation.

3 Formula for AQI calculation for a Pollutant –

$$I = \frac{I_{high} - I_{low}}{C_{high} - C_{low}} * (C - C_{low}) + I_{low}$$

where, I = Air Quality Index, C=Pollutant Concentration (PM2.5), Clow=Concentration Breakpoint ≤C, Chigh=Concentration Breakpoint ≥C, Ilow=Index Break point corresponding to Clow, Ihigh=Index Breakpoint corresponding to Chigh