

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 28.4.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) : PM₁₀ = 150; PM_{2.5} = 35, all units are in µg/m³ | Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)									
	Air Quality Index		Meteorological Parameters								AQI		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										
Today: April 28 – 27 Yesterday										Today: April 28 – 27 Yesterday										
	April 27 – 26										April 27 – 26									
4 / 97	Today	66	67	25	2.6	S	44.7	29.5	159	0	Today	163	151	27	2.4	SW	45.8	32.3	198	0
	Yesterday	61	74	28	2.0	SE	44.5	29.1	146	0										
3 / 34	Today	82	50	29	2.6	S	43.5	28.5	156	0	Yesterday	154	152	28	2.0	SE	46.0	32.3	197	0
	Yesterday	74	52	30	2.0	SE	43.0	28.7	149	0										
Science Faculty	Today	91	54	28	2.6	S	43.4	27.5	156	0	Yesterday	154	152	28	2.0	SE	46.0	32.3	197	0
	Yesterday	74	55	31	2.0	SE	43.1	27.9	154	0										

Views of AQI Research Group: The PM_{2.5} concentration levels marginally increased across Dayalbagh and Sanjay Place perhaps due to change in Wind Direction at both locations. The PM_{10.0} concentration levels reduced across perhaps owing to higher Wind Speed, lower Relative Humidity. AQI at Dayalbagh remained in the *Moderate* Category with Prem Nagar PM_{10.0} being in the *Good* Category. AQI at Sanjay Place remained in the *Unhealthy for All* Category w.r.t both the micron Particulate Pollutants.

Remarks of Revered Chairman-ACE:

Received: Thursday, 28 April 2022, 11:03 AM
Perused: Subject to Legalese / Legalise / "Laws of the Land"

Thursday, 28 April 2022, 4:34 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 PM_{2.5} 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 (PM_{2.5}), C_{low}=Concentration Breakpoint ≤C, C_{high}=Concentration Breakpoint ≥C, I_{low}=Index Break point corresponding to C_{low}, I_{high}=Index Breakpoint corresponding to C_{high}