

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 4.4.2022 (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 to 9:00 AM)

	Date Today: April 4 – 3 Yesterday April 3 - 2	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: April 4 – 3 Yesterday April 3 - 2	AVAS VIKAS (SIKANDRA) (ARITHMETIC MEAN DATA)								
		AQI		Meteorological Parameters								AQI		Meteorological Parameters						
		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/ m ²	RF m m		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm
							Ma x	Min									Max	Min		
4 / 97 3 / 34 Science Faculty	Today	74	77	24	2.3	N	43.5	23.5	135	0	Today	127	95	19	0.5	S	45.6	22.7	200	0
	Yesterday	74	67	26	2.1	E	42.1	24.9	132	0										
	Today	87	55	25	2.3	N	42.3	25.7	134	0	Yesterday	119	81	21	0.4	E	44.7	24.3	194	0
	Yesterday	89	51	26	2.1	E	41.2	24.7	134	0										
	Today	82	59	25	2.3	N	41.6	25.1	151	0										
	Yesterday	95	57	28	2.1	E	41.1	24.3	145	0										

Views of AQI Research Group: The server systems of Sanjay Place continued to be down for 2nd day in a row. Hence today too, the Dayalbagh data is being compared with UPPCB Avas Vikas (Sikandra) station. The AQI at Dayalbagh remained in MODERATE category and better than that at Avas Vikas Station. The Dayalbagh PM_{2.5} AQI reduced in comparison to yesterday perhaps owing to change in Wind Direction, increased Wind Speed and Temperatures. The PM_{10.0} AQI showed a mild increase. Avas Vikas AQI deteriorated for both the micron Particulate Pollutants. Prem Nagar had the lowest PM_{10.0} AQI and Vidyut Nagar had the lowest PM_{2.5} AQI.

Remarks of Revered Chairman-ACE: Fogging schedule ?

Received: Monday, 4 April 2022, 11:25 AM
Perused : Subject to Legalese / Legalise / “Laws of the Land”

Monday, 4 April 2022, 3:55 PM

Good - G

Moderate- M

Unhealthy for Sensitive Groups- US

Unhealthy for All-UH

Very Unhealthy for All-VUH

Hazardous for All- HZ

Hazardous for All-HZ

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}