

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 5.4.2022 (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 5 – 4 Yesterday April 4 - 3	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: April 5 – 4 Yesterday April 4 - 3	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	Today	91	86	25	3.2	NNW	41.4	24.9	140	0	Today	149	101	22	0.7	SSW	42.8	22.2	198	0
	Yesterday	74	77	24	2.3	N	43.5	23.5	135	0										
3 / 34	Today	105	62	27	3.2	NNW	40.5	24.7	135	0	Yesterday	127	95	19	0.5	S	45.6	22.7	200	0
	Yesterday	87	55	25	2.3	N	42.3	25.7	134	0										
Science Faculty	Today	110	67	28	3.2	NNW	40.1	23.6	148	0	Yesterday									
	Yesterday	82	59	25	2.3	N	41.6	25.1	151	0										

Views of AQI Research Group: The UPPCB Sanjay Place station is up and running today. However, since yesterday's data is blank, for today too we are comparing the Dayalbagh data with UPPCB Avas Vikas (Sikandra) data. The AQI at Dayalbagh remained better than that at Avas Vikas. Though there has been across the board deterioration across the four locations compared to yesterday perhaps due to change in Wind Direction, decrease in Maximum Temperature levels and increase in the Relative Humidity.

Remarks of Revered Chairman-ACE:

Received: Tuesday, 5 April 2022, 10:13 AM
Perused : Subject to Legalese / Legalise / "Laws of the Land"

Tuesday, 5 April 2022, 5:33 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}