

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 14.4.2022 (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 14 – 13											Today: April 14 – 13									
	Yesterday April 13 – 12											Yesterday April 13 – 12								
4 / 97		Today	74	78	25	4.1	S	44.0	26.9	148	0		Today	156	152	27	2.5	E	43.8	30.0
	Yesterday	87	84	30	2.9	SSE	43.3	26.7	130	0										
3 / 34	Today	91	57	25	4.1	S	42.3	27.2	135	0	Yesterday	172	157	29	2.4	SSE	44.3	27.1	203	0
	Yesterday	115	63	32	2.9	SSE	42.1	27.1	124	0										
Science Faculty	Today	89	60	26	4.1	S	42.4	26.2	139	0	Yesterday	172	157	29	2.4	SSE	44.3	27.1	203	0
	Yesterday	112	66	33	2.9	SSE	41.5	26.5	126	0										

Views of AQI Research Group: The AQI at Dayalbagh reduced compared to yesterday perhaps due to changed Wind Direction, increased Wind Speed and reduced Relative Humidity. The Dayalbagh AQI for both the micron Particulate Pollutants was in the MODERATE Category while that of Sanjay Place was in the UNHEALTHY FOR ALL Category. The AQI at all three locations in Dayalbagh remained within the US-EPA (24 hour) permissible limits.

Received: Thursday, 14 April 2022, 11:38 AM
Perused: Subject to Legalese / Legalise / "Laws of the Land"



Thursday, 14 April 2022, 4:34 PM

Remarks of Revered Chairman-ACE:

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}