

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 24.4.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

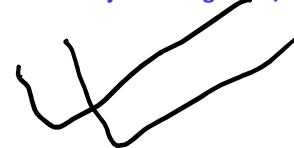
Permissible Limits (24 Hour Mean) : PM₁₀ = 150; PM_{2.5} = 35, all units are in µg/m³ | Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

	Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)								
	Today:	Air Quality Index		Meteorological Parameters							Today:	AQI		Meteorological Parameters						
	April 24 – 23	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm	April 24 – 23	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm
	Yesterday						Max	Min			Yesterday						Max	Min		
	April 23 - 22																			
4 / 97	Today	87	80	28	2.4	NW	42.7	27.2	162	0	Today	164	137	28	2.3	SE	43.0	29.0	191	0
	Yesterday	68	74	35	2.2	N	41.7	26.1	161	0										
3 / 34	Today	105	61	29	2.4	NW	41.2	27.4	157	0	Yesterday	156	141	33	1.6	SE	42.7	29.1	189	0
	Yesterday	80	52	36	2.2	N	40.8	26.1	156	0										
Science Faculty	Today	105	63	29	2.4	NW	41.0	26.7	163	0	Yesterday	156	141	33	1.6	SE	42.7	29.1	189	0
	Yesterday	84	57	36	2.2	N	41.8	25.4	162	0										

Views of AQI Research Group: The AQI in Dayalbagh remained better than that at Sanjay Place. Change in Wind Direction seems to be the primary meteorological cause for increase in AQI levels at Dayalbagh. Increased vehicular traffic in Dayalbagh during the weekend, more so, perhaps due to the Mass Common Marriage Ceremonies coordinated by the Dayalbagh Vivah Sangam could be one of the reasons for a temporary increase in AQI levels.

Remarks of Revered Chairman-ACE:

Received: Sunday, 24 April 2022, 11:09 AM
Perused: Subject to Legalese / Legalise / "Laws of the Land"



Sunday, 24 April 2022, 4:16 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}