

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 28.3.2022 (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:	AQ Index		Meteorological Parameters							Today:	AQI		Meteorological Parameters						
	March 28 – 27 Yesterday March 27 - 26	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm	March 28 – 27 Yesterday March 27 - 26	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm
							Max	Min									Max	Min		
4 / 97	Today	93	83	34	2.7	SSE	40.3	22.3	141	0	Today	166	146	31	2.2	NNE	41.1	25.4	181	0
	Yesterday	84	78	37	4.4	SSE	37.4	23.5	137	0										
3 / 34	Today	107	60	38	2.7	SSE	39.2	22.0	126	0	Yesterday	157	140	33	3.8	NNE	38.6	25.6	171	0
	Yesterday	99	59	38	4.4	SSE	36.6	22.9	119	0										
Science Faculty	Today	119	67	39	2.7	SSE	38.4	20.9	148	0	Yesterday	157	140	33	3.8	NNE	38.6	25.6	171	0
	Yesterday	99	63	40	4.4	SSE	36.1	22.4	135	0										

Views of AQI Research Group: The AQI at Dayalbagh remained better than that at Sanjay Place. However, there has been a marginal increase in pollution levels compared to yesterday, probably due to decreased Wind Speed. Despite significant increase in agricultural activity in Dayalbagh, there is no negative impact on the Air Quality perhaps due to the pre-planned decentralised threshing Operations.

Remarks of Revered Chairman-ACE:

Received: Monday, 28 March 2022, 10:47 AM
Perused : Subject to Legalese / Legalise / “Laws of the Land”

Monday, 28 March 2022, 5:00 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}