

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 27.3.2022 (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:	AQI		Meteorological Parameters							Today:	AQI		Meteorological Parameters						
	March 27 – 26 Yesterday	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm	March 27 – 26 Yesterday	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm
							Max	Min									Max	Min		
	March 26 - 25										March 26 - 25									
4 / 97	Today	84	78	37	4.4	SSE	37.4	23.5	137	0	Today	157	140	33	3.8	NNE	38.6	25.6	171	0
	Yesterday	99	85	41	3.0	SE	39.2	21.8	130	0										
3 / 34	Today	99	59	38	4.4	SSE	36.6	22.9	119	0	Yesterday	156	127	37	3.6	N	39.7	24.2	172	0
	Yesterday	115	64	42	3.0	SE	37.9	21.9	119	0										
Science Faculty	Today	99	63	40	4.4	SSE	36.1	22.4	135	0	Yesterday	156	127	37	3.6	N	39.7	24.2	172	0
	Yesterday	117	68	45	3.0	SE	37.3	21.4	137	0										

Views of AQI Research Group: AQI of all sites in Dayalbagh was in **MODERATE** category and remained significantly better than that at Sanjay Place, (Agra City). The reduction of pollution levels in Dayalbagh compared to yesterday was perhaps due to reduced Relative Humidity, increased Wind Speed, and changed Wind Direction. Prem Nagar had the lowest AQI for PM10.0 and Vidyut Nagar had the lowest AQI for PM2.5 micron particle size.

Remarks of Revered Chairman-ACE:

Received: Sunday, 27 March 2022, 11:35 AM
Perused : Subject to Legalese / Legalise / "Laws of the Land"

Sunday, 27 March 2022, 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}