

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 31.3.2022 (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)								
		Air Quality Index		Meteorological Parameters								Air Quality Index		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: March 31 – 30																			
	Yesterday March 30 - 29																			
4 / 97	Today	91	81	32	2.0	SSE	42.5	26.9	145	0	Today	161	138	32	2.3	WSW	44.2	28.3	177	0
	Yesterday	93	88	30	2.4	S	42.9	23.8	143	0										
3 / 34	Today	102	60	33	2.0	SSE	41.9	26.3	134	0										
	Yesterday	110	63	33	2.4	S	41.9	23.8	132	0										
Science Faculty	Today	119	70	34	2.0	SSE	41.7	25.5	144	0	Yesterday	168	158	30	1.9	NNE	44.2	26.9	182	0
	Yesterday	127	73	34	2.4	S	42.0	22.8	148	0										

Views of AQI Research Group: The AQI at Dayalbagh remained better than that at Sanjay Place. There is a marginal decrease in PM_{2.5} and PM_{10.0} AQI at all sites in Dayalbagh as well as SP. IN Dayalbagh, the reduction in AQI of both the micron Particulate Pollutants can be attributed to change in Wind Direction. Prem Nagar had the lowest PM_{10.0} AQI and Vidyut Nagar had the lowest PM_{2.5} AQI.

Received: Thursday, 31 March 2022, 10:08 AM
Perused : Subject to Legalese / Legalise / “Laws of the Land”

Remarks of Reversed Chairman-ACE:

Thursday, 31 March 2022, 4:30 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}