

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 15.5.2022 (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: May 15 – 14																			
	Yesterday May 14 – 13																			
4 / 97	Today	80	74	33	3.2	S	46.7	32.5	167	0	Today	166	157	31	2.2	E	49.0	34.7	206	0
	Yesterday	76	66	39	3.7	SSE	44.8	32.4	137	0										
3 / 34	Today	99	55	34	3.3	S	46.0	32.0	182	0										
	Yesterday	99	52	40	3.7	SSE	44.5	31.9	156	0										
Science Faculty	Today	97	56	34	3.2	S	46.2	31.9	168	0	Yesterday	156	137	36	2.2	ENE	47.9	33.6	207	0
	Yesterday	93	52	40	3.7	SSE	44.5	31.4	157	0										

Views of AQI Research Group: PM_{2.5} levels have marginally increased in comparison to yesterday at Vidyut Nagar and Science Faculty while PM₁₀ have increased at all the three Dayalbagh sites. Both PM_{2.5} and PM₁₀ levels have also increased at Sanjay Place. This increase might be attributed to change in Wind Direction. AQI w.r.t both PM_{2.5} and PM₁₀ at the Dayalbagh sites is in the *Moderate* category. AQI at Sanjay Place w.r.t both PM_{2.5} and PM₁₀ is in the *Unhealthy for All* category.

Received: Sunday, 15-05-2022, 12:26 PM
Perused: Subject to Legalese / Legalise / "Laws of the Land"



Sunday, 15-05-2022, 03:05 PM

Remarks of Reversed 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}

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