

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 16.3.2022 (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 16 - 15 Yesterday	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm	March 16 - 15 Yesterday	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	159	112	59	2.8	SSE	38.3	22.0	110	0	Today	186	157	51	1.9	NNE	38.5	23.9	153	0
	Yesterday	157	98	57	2.4	SE	37.1	21.3	127	0										
3 / 34	Today	144	98	62	2.8	SSE	36.7	22.3	114	0	Yesterday	179	145	50	1.5	S	36.9	23.3	154	0
	Yesterday	166	85	60	2.4	SE	35.5	21.4	113	0										
Science Faculty	Today	139	99	65	2.8	SSE	36.2	21.7	120	0	Yesterday	179	145	50	1.5	S	36.9	23.3	154	0
	Yesterday	164	86	62	2.5	SE	34.8	20.9	122	0										

Views of AQI Research Group: The AQI at Dayalbagh remained better than that at Sanjay Place. Air Quality has marginally deteriorated at all sites compared to yesterday probably influenced by increase in Relative Humidity and change in Wind Direction.

Remarks of Revered Chairman-ACE:

Received: Wednesday, 16 March 2022, 12:43 PM

Perused:



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}