Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 13.3.2022
(BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) : PM₁₀ = 150; PM₂.₅ = 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)								
		AQI		Meteorological Parameters								AQI		Meteorological Parameters						
Today: March 13 - 12 Yesterday March 12 - 11		PM₂.₅	PM₁₀	RH %	WS m/s	WD	T °C		SR W/m²	RF mm	Today: March 13 - 12 Yesterday March 12 - 11	PM₂.₅	PM₁₀	RH %	WS m/s	WD	T °C		SR W/m²	RF mm
							Max	Min									Max	Min		
4 / 97	Today	107	72	51	2.3	SE	34.0	19.1	119	0	Today	156	110	45	2.3	NNE	33.3	20.2	165	0
	Yesterday	97	71	55	3.3	SE	33.7	17.5	117	0										
3 / 34	Today	129	60	55	2.3	SE	32.1	18.3	114	0										
	Yesterday	112	56	57	3.3	SE	33.6	18.0	115	0	Yesterday	153	107	48	3.1	N	32.6	18.4	159	0
Science Faculty	Today	129	61	58	2.3	SE	31.6	17.8	124	0										
	Yesterday	115	58	60	3.3	SE	30.8	17.5	117	0										

Views of AQI Research Group: AQI at Dayalbagh remained better than Sanjay Place for both the Particulate Pollutants. Air Quality has marginally deteriorated at all the four sites, probably influenced by decrease in Wind Speed. Increase in Temperature and reduced Relative Humidity may have helped in containing the increase in pollution levels.

Remarks of Revered Chairman-ACE:

Received: Sunday, 13 March 2022, 11:52 AM

Sunday, 13 March 2022, 5:30 PM

Good -G   Moderate- M   Unhealthy for Sensitive Groups- UHS

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 PM₂.₅ concentration readings are fed in USEPA online calculator for AQI calculation.
3 Formula for AQI calculation for a Pollutant –

where, I = Air Quality Index, C=Pollutant Concentration (PM2.5), Clow=Concentration Breakpoint ≤C, Chigh=Concentration Breakpoint ≥C, Ilow=Index Break point corresponding to Clow, Ihigh=Index Breakpoint corresponding to Chigh

$$I = \frac{I_{high} - I_{low}}{C_{high} - C_{low}} * (C - C_{low}) + I_{low}$$