Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 8.2.2022
(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						
							T °C											T °C			
Today: Feb 8 –7 Yesterday Feb 7 - 6		PM₂.₅	PM₁₀	RH %	WS m/s	WD	Max	Min	SR W/m²	RF mm	Today: Feb 8 –7 Yesterday Feb 7 - 6		PM₂.₅	PM₁₀	RH %	WS m/s	WD	Max	Min	SR W/m²	RF mm
4 / 97	Today	155	87	70	1.6	SE	27.3	12.5	80	0	Today		144	118	64	1.0	SSW	26.4	13.7	111	0
	Yesterday	163	125	73	1.8	SSE	24.5	9.8	78	0											
3 / 34	Today	163	86	72	1.6	SE	26.5	12.5	86	0											
	Yesterday	161	128	75	1.8	SSE	24.3	9.4	87	0											
Science Faculty	Today	162	88	72	1.5	SSE	26.9	12.7	65	0	Yesterday		157	124	68	0.8	SSE	24.4	9.4	116	0
	Yesterday	158	118	77	1.7	W	23.9	9.8	65	0											

Views of AQI Research Group: At Dayalbagh and Sanjay Place the AQI of PM10.0 reduced and of PM2.5 remained stagnant or had minor changes. Lower Relative Humidity and the shift in Wind Direction seem to be the main reasons for the change observed in AQI at all locations.

Remarks of Revered Chairman-ACE:

Received: Tuesday, 8 February 2022, 11:39 AM

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Good -G	Moderate- M	Unhealthy for Sensitive Groups- US	Unhealthy for All-	Very Unhealthy for All-VUH	Hazardous for All- HZ	Hazardous for All-HZ

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 –

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

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