Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 12.2.2022
(BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) : PM_{10} = 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: Feb 12 – 11 Yesterday Feb 11 - 10		AQI		Meteorological Parameters							Today: Feb 12 – 11 Yesterday Feb 11 - 10		AQI		Meteorological Parameters						
		PM2.5	PM10	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m²	RF mm			PM2.5	PM10	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m²	RF mm
4 / 97	Today	95	59	62	3.3	WNW	26.0	11.3	73	0	Today		93	97	55	2.7	W	23	10.3	130	0
	Yesterday	119	68	71	2.8	WNW	25.2	11.1	54	0											
3 / 34	Today	147	61	64	3.2	WNW	23	11.6	98	0											
	Yesterday	151	85	73	2.8	WNW	22.3	9.6	83	0											
Science Faculty	Today	119	58	67	3.3	WNW	23.0	11.2	73	0	Yesterday		105	95	64	1.9	SW	21.9	10.8	109	0
	Yesterday	152	68	76	2.8	WNW	21.7	9.1	64	0											

Views of AQI Research Group: It is interesting to note that at VN and SP PM2.5 and PM10 (for PN and Sc the PM10 values) levels have approached to levels within the 24 h permissible levels. The role of meteorological parameters in controlling/influencing the PM levels and AQI is very much evident from the data. A closer inspection also reveals that values of PM2.5 and PM10 had dropped down to 11 -20 and 30-45 µg/m³ respectively at the DB

Received: Saturday, 12 February 2022, 11:08 AM

Remarks of Revered Chairman-ACE:

Saturday, 12 February 2022,

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