Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 9.4.2022

(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/m^3 | Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

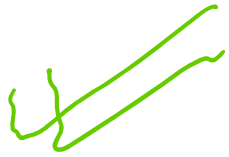
	Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)								
		Air Quality Index		Meteorological Parameters								AQI		Meteorological Parameters						
	Today: April 9 –8 Yesterday April 8 - 7	$PM_{2.5}$	PM_{10}	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m^2	RF mm	Today: April 9 –8 Yesterday April 8 - 7	$PM_{2.5}$	PM_{10}	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m^2	RF mm
4 / 97	Today	82	81	25	2.0	N	45.3	25.5	151	0	Today	164	150	26	1.9	NE	46.0	**29.1**	192	0
	Yesterday	82	78	24	1.9	N	43.2	25.1	152	0										
3 / 34	Today	97	59	27	2.0	N	43.5	26.0	142	0										
	Yesterday	99	57	27	1.9	N	41.8	24.4	140	0										
Science Faculty	Today	99	65	27	2.0	N	43.5	24.7	158	0	Yesterday	161	147	26	2.3	NE	44.3	**38.3**	189	0
	Yesterday	112	63	27	1.9	N	41.8	23.5	156	0										

Views of AQI Research Group: The AQI at Dayalbagh remained substantially better than that at Sanjay Place and in the MODERATE Category. Compared to yesterday the PM2.5 AQI reduced in Dayalbagh while the PM10.0 AQI saw a minor increase of 2-3 points. Increased Temperatures and mild increase in Wind Speed may have aided the reduction in Particulate Pollution levels.

Remarks of Revered Chairman-ACE:

Received: Saturday, 9 April 2022, 11:36 AM

Perused: Subject to Legalese / Legalise / "Laws of the Land"



Saturday, 9 April 2022, 4:34 PM

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