Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 1.5.2022

(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 to 9:00 AM)

	Date Today: May 1– April 30 Yesterday April 30 - 29	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: May 1– April 30 Yesterday April 30 - 29	AVAS VIKAS (SIKANDRA) (ARITHMETIC MEAN DATA)								
		AQI		Meteorological Parameters								AQI		Meteorological Parameters						
		$PM_{2.5}$	PM_{10}	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m^2	RF mm		$PM_{2.5}$	PM_{10}	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m^2	RF mm
4 / 97	Today	57	54	28	3.3	NNE	46.8	29.7	157		Today	105	79	25	0.6	ENE	48.8	29.4	195	0
	Yesterday		54	23	4.4	SSE	46.6	30.6	161											
3 / 34	Today	70	35	28	3.3	NNE	46.1	29.4	164	70										
	Yesterday	55	32	23	4.4	SSE	45.5	30.6	167	55	Yesterday	95	77	20	0.7	S	46.8	28.0	197	0
Science Faculty	Today	76	44	29	3.3	NNE	46.5	29.5	163	76										
	Yesterday	53	34	24	4.5	SSE	44.9	29.5	176	53										

Views of AQI Research Group:

Remarks of Revered Chairman-ACE:

Received: Sunday, 1 May 2022, AM

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

Sunday, 1 May 2022, 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