Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 7.3.2022

(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)								
		AQI		Meteorological Parameters								AQI		Meteorological Parameters						
	Today: March 7 - 6 Yesterday March 6 - 5	$PM_{2.5}$	PM_{10}	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m^2	RF mm	Today: March 7 - 6 Yesterday March 6 - 5	$PM_{2.5}$	PM_{10}	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m^2	RF mm
4 / 97	Today	142	75	57	2.2	NE	29.9	17.2	93	0	Today	163	104	52	1.1	ENE	30.1	17.0	133	0
	Yesterday	95	58	60	3.4	SE	31.5	15.7	98	0										
3 / 34	Today	149	61	60	2.3	NE	29.9	16.5	104	0										
	Yesterday	112	52	64	3.5	SE	28.0	15.0	117	0										
Science Faculty	Today	144	63	62	2.2	NE	29.6	16.3	99	0	Yesterday	132	82	54	3.6	N	28.6	15.4	160	0
	Yesterday	110	53	66	3.4	SE	27.5	14.9	112	0										

Views of AQI Research Group: **The AQI at Dayalbagh remained better than that at Sanjay Place. The pollutant concentrations increased at all four location probably on account of changed Wind Direction and reduced Wind Speed and Solar Radiation.**

Received: Monday, 7 March 2022, 11:32 AM

Monday, 7 March 2022, PM

Good -G | Moderate- M | Unhealthy for Sensitive Groups- US

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