Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 6.3.2022
(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						
Today: March 6 - 5 **Yesterday** March 5 - 4		PM₂.₅	PM₁₀	RH %	WS m/s	WD	T °C		SR W/m²	RF mm	**Today**: March 6 - 5 **Yesterday** March 5 - 4		PM₂.₅	PM₁₀	RH %	WS m/s	WD	T °C		SR W/m²	RF mm
							Max	Min										Max	Min		
4 / 97	Today	95	58	60	3.4	SE	31.5	15.7	98	0	Today		132	82	54	3.6	N	28.6	15.4	160	0
	Yesterday	153	77	67	3.4	SSE	30.3	15.0	100	0											
3 / 34	Today	112	52	64	3.5	SE	28.0	15.0	117	0											
	Yesterday	158	70	71	3.4	SSE	28.5	15.1	101	0											
Science Faculty	Today	110	53	66	3.4	SE	27.5	14.9	112	0	Yesterday		159	97	61	3.8	N	29.3	15.2	137	0
	Yesterday	156	69	73	3.5	SSE	28.4	14.8	94	0											

Views of AQI Research Group: The AQI at all locations reduced significantly and AQI of both Particulate Pollutants at Dayalbagh remained better than that at Sanjay Place. Across the four locations, the pollution levels reduced perhaps due to reduction in Relative Humidity, increased Solar Radiation (Vidyut Nagar is an exception) and changed Wind Direction.

Received: Sunday, 6 March 2022, 11:27 AM

Sunday, 6 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 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