Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 23.3.2022
(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 Today: March 23 – 22 Yesterday March 22 - 21	DAYALBAGH (TIME WEIGHTED AVERAGE DATA) AQI PM2.5	PM10	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m²	RF mm	Date Today: March 23 – 22 Yesterday March 22 - 21	SANJAY PLACE (ARITHMETIC MEAN DATA) AQI PM2.5	PM10	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m²	RF mm
4 / 97	Today	112	86	42	3.4	SSE	39.1	23.4	136	0	Today	158	131	38	3.6	N	39.8	25.0	171	0
4 / 97	Yesterday	153	100	46	2.7	NW	39.7	23.5	140	0	Today	158	131	38	3.6	N	39.8	25.0	171	0
3 / 34	Today	129	66	45	3.4	SSE	37.7	23.2	117	0										
3 / 34	Yesterday	157	79	48	2.7	NW	38.6	23.5	117	0										
Science Faculty	Today	132	70	46	3.4	SSE	37.2	22.5	135	0	Yesterday	144	150	42	3.0	NNE	40.6	24.1	160	0
Science Faculty	Yesterday	158	83	50	2.7	NW	38.0	23.1	132	0	Yesterday	144	150	42	3.0	NNE	40.6	24.1	160	0

Views of AQI Research Group: The AQI at Dayalbagh remained better than that at Sanjay Place w.r.t both PM2.5 and PM10.0 particle size. The AQI has improved in Dayalbagh compared to yesterday probably attributable to change in Wind Direction, increased Wind Speed and decreased Relative Humidity. Sanjay Place saw a rise in PM2.5 levels compared to yesterday.

Remarks of Revered Chairman-ACE:

Received: Wednesday, 23 March 2022, 10:16 AM

Wednesday, 23 March 2022, PM

Good -G | **Moderate- M** | **Unhealthy for Sensitive Groups- UHS**

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