

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 25.3.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) : PM<sub>10</sub> = 150; PM<sub>2.5</sub> = 35, all units are in µg/m<sup>3</sup> | Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

	Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)								
	Today:	AQI		Meteorological Parameters							Today:	AQI		Meteorological Parameters						
	March 25 – 24	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF mm	March 25 – 24	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF mm
	Yesterday March 24 - 23						Max	Min			Yesterday March 24 - 23						Max	Min		
4 / 97	Today	117	103	40	3.3	SSE	39.7	23.3	123	0	Today	163	148	36	2.3	N	40.2	25.9	164	0
	Yesterday	129	100	41	2.4	SSE	38.5	24.5	112	0										
3 / 34	Today	127	73	41	3.3	SSE	38.6	23.8	116	0	Yesterday	167	149	38	1.6	ENE	40.8	25.9	151	0
	Yesterday	149	75	44	2.4	SSE	38.2	24.3	112	0										
Science Faculty	Today	137	81	43	3.3	SSE	38.5	23.4	131	0	Yesterday									
	Yesterday	154	85	46	2.4	SSE	38.2	23.3	121	0										

**Views of AQI Research Group:** The AQI at Dayalbagh w.r.t both PM2.5 and PM10.0 is better than that at Sanjay Place. He pollution levels have reduced compared to yesterday. The improvement is probably attributable to increase in Wind Speed, increased Solar Radiation and mildly reduced Solar Radiation.

**Remarks of Revered Chairman-ACE:**

**Received: Friday, 25 March 2022, 10:30 AM**

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

Friday 25 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 PM<sub>2.5</sub> 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 (PM<sub>2.5</sub>), C<sub>low</sub>=Concentration Breakpoint ≤C, C<sub>high</sub>=Concentration Breakpoint ≥C, I<sub>low</sub>=Index Break point corresponding to C<sub>low</sub>, I<sub>high</sub>=Index Breakpoint corresponding to C<sub>high</sub>