

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 6.4.2022 (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)

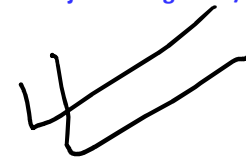
	Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)								
	Today:										Today:									
	April 6 – 5	Air Quality Index		Meteorological Parameters							April 6 – 5	AQI		Meteorological Parameters						
	Yesterday April 5 - 4	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF mm	Yesterday April 5 - 4	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF mm
							Max	Min									Max	Min		
4 / 97	Today	89	81	26	2.1	SSE	42.2	23.9	147	0	Today	164	142	27	2.1	NNE	43.0	22.7	184	0
	Yesterday	91	86	25	3.2	NNW	41.4	24.9	140	0										
3 / 34	Today	107	60	28	2.1	SSE	41.3	24.1	137	0	Yesterday	164	174	27	3.0	NNE	43.0	27.0	186	0
	Yesterday	105	62	27	3.2	NNW	40.5	24.7	135	0										
Science Faculty	Today	112	66	29	2.1	SSE	41.6	23.0	147	0	Yesterday	164	174	27	3.0	NNE	43.0	27.0	186	0
	Yesterday	110	67	28	3.2	NNW	40.1	23.6	148	0										

**Views of AQI Research Group:** The AQI at Dayalbagh remained better than that at Sanjay Place. In Dayalbagh, the PM<sub>10.0</sub> AQI reduced marginally compared to yesterday, perhaps due to increase in Maximum Temperature and PM<sub>2.5</sub> remained in the (+/-) 2 points zone. As far as the Meteorological parameters are concerned, the Wind Direction changed at Dayalbagh, and the Wind Speed reduced.

Remarks of Revered Chairman-ACE:

Received: Wednesday, 6 April 2022, PM

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



Wednesday, 6 April 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<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>