

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 3.4.2022 (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 to 9:00 AM)

	Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	AVAS VIKAS (SIKANDRA) (ARITHMETIC MEAN DATA)								
	Today:	AQI		Meteorological Parameters							Today:	AQI		Meteorological Parameters						
	April 3 – 2 Yesterday	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF m m	April 3 – 2 Yesterday	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF mm
	April 2 - 1						Ma x	Min									Max	Min		
4 / 97	Today	74	67	26	2.1	E	42.1	24.9	132	0	Today	119	81	21	0.4	E	44.7	24.3	194	0
	Yesterday	93	79	30	2.5	SE	40.2	23.7	133	0										
3 / 34	Today	89	51	26	2.1	E	41.2	24.7	134	0	Yesterday	137	92	23	0.7	SSW	40.8	21.2	195	0
	Yesterday	115	61	32	2.5	SE	38.7	22.7	128	0										
Science Faculty	Today	95	57	28	2.1	E	41.1	24.3	145	0										
	Yesterday	119	65	34	2.5	SE	38.3	21.8	143	0										

**Views of AQI Research Group:** The server systems of UPPCB Sanjay Place experienced down time and hence today the data is being compared with UPPCB Avas Vikas (Sikandra) station. The AQI at Dayalbagh remained better than that at Avas Vikas (Sikandra). Both the micron Particulate Pollutants remained in MODERATE Category in Dayalbagh. The improvement can be attributed to change in Wind Direction, lower Relative Humidity, and higher Temperatures.

**Remarks of Revered Chairman-ACE:**

**Received: Sunday, 3 April 2022, 1:05 PM**

**Perused : Subject to Legalese / Legalise / “Laws of the Land”**

**Sunday, 3 April 2022, 4:23 PM**

Good -G

Moderate- M

Unhealthy for Sensitive Groups- US

Unhealthy for All-UH

Very Unhealthy for All-VUH

Hazardous for All- HZ

Hazardous for All-HZ

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>