

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 23.4.2022 (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:	Air Quality Index		Meteorological Parameters							Today:	AQI		Meteorological Parameters						
	April 23 – 22 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 23 – 22 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
							Max	Min									Max	Min		
4 / 97	Today	68	74	35	2.2	N	41.7	26.1	161	0	Today	156	141	33	1.6	SE	42.7	29.1	189	0
	Yesterday	59	74	36	3.1	N	38.0	26.2	79	0										
3 / 34	Today	80	52	36	2.2	N	40.8	26.1	156	0	Yesterday	151	161	35	3.4	ESE	39.6	27.7	103	0
	Yesterday	68	51	37	3.1	N	37.2	25.9	80	0										
Science Faculty	Today	84	57	36	2.2	N	41.8	25.4	162	0										
	Yesterday	68	54	37	3.1	N	36.9	25.5	75	0										

**Views of AQI Research Group:** The AQI at Dayalbagh remained better than that at Sanjay Place and in the MODERATE Category (within US-EPA 24-hour permissible limits). The PM<sub>2.5</sub> AQI increased across locations perhaps due to lower Wind Speed. The PM<sub>10.0</sub> AQI dropped at Sanjay Place and saw very mild increase in Dayalbagh.

Remarks of Revered Chairman-ACE:

Received: Saturday, 23 April 2022, 11:20 AM  
Perused: Subject to Legalese / Legalise / "Laws of the Land"

Saturday, 23 April 2022, 4:34 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>