

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 9.5.2022 (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						
	May 9 – 8										May 9 – 8									
	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	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF mm	
	May 8 – 7						Max	Min								Max	Min			
4 / 97	Today	70	50	45	2.6	SE	45.5	29.2	139	0	Today	149	107	41	3.1	SSE	46.4	30.0	199	0
	Yesterday	68	62	38	3.2	SE	42.9	28.8	152	0										
3 / 34	Today	87	39	45	2.7	SE	44.5	29.3	164	0	Yesterday	156	124	36	2.2	S	44	29.9	203	0
	Yesterday	82	45	38	3.1	SE	42.1	28.7	178	0										
Science Faculty	Today	91	42	45	2.6	SE	44.3	28.9	161	0	Yesterday	156	124	36	2.2	S	44	29.9	203	0
	Yesterday	87	50	39	3.2	SE	41.9	28.6	175	0										

**Views of AQI Research Group:** AQI at Dayalbagh remained within the US-EPA 24-hour-average Permissible Limit. The PM<sub>10.0</sub> AQI at Dayalbagh reduced vis-à-vis yesterday with all three locations being in the *Good Category* perhaps due to increased Temperatures. The PM<sub>2.5</sub> AQI increased marginally at the Dayalbagh sites, probably attributable to increase in Relative Humidity and decrease in Wind Speed. AQI at Sanjay Place was in the *Unhealthy for Sensitive Groups* category.

**Remarks of Revered Chairman-ACE:**

**Received: Monday, 9 May 2022, 10:21 PM**  
**Perused: Subject to Legalese / Legalise / “Laws of the Land”**

**Monday, 9 May 2022, 3:35 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>