

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 28.8.2022 (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					
	August 28 – 27										August 28 – 27									
	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	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
August 27 – 26						Max	Min			August 27 – 26						Max	Min			
4 / 97	Today	38	40	67	1.6	S	37.1	27.3	184	Trace	Today	76	68	68	3.0	S	36.8	28.5	192	8.5
	Yesterday	46	30	71	1.4	S	37.2	27.3	185	00										
3 / 34	Today	50	30	67	1.6	S	37.1	27.3	184	Trace	Yesterday	80	59	68	2.9	SSE	36.4	29.2	204	00
	Yesterday	61	26	71	1.4	S	37.2	27.3	185	00										
Science Faculty	Today	50	28	67	1.6	S	37.1	27.3	184	Trace	Yesterday	80	59	68	2.9	SSE	36.4	29.2	204	00
	Yesterday	59	24	71	1.4	S	37.2	27.3	185	00										

Good  
0 - 50

Moderate  
51 - 100

Unhealthy for Sensitive Groups  
101 - 150

Unhealthy for All  
151 - 200

Very Unhealthy for All  
201 - 300

Hazardous for All  
301 - 400

Hazardous for All  
401 - 500

**Views of AQI Research Group:** In comparison to yesterday, concentrations of PM<sub>2.5</sub> have decreased while PM<sub>10</sub> have increased at all locations of Dayalbagh. The Air Quality Index w.r.t. both PM<sub>2.5</sub> and PM<sub>10</sub> is in the *Good* category at all three locations of Dayalbagh.

At Sanjay Place also, the concentrations of PM<sub>2.5</sub> have decreased while PM<sub>10</sub> have increased. The Air Quality Index w.r.t. both PM<sub>2.5</sub> and PM<sub>10</sub> remains in the *Moderate* category.

Highlight the Specific Actions taken to restore the Ameliorated Good Category from Moderate Category; for the sake of adopting such forward-looking Welfare-measures with Immediacy, Readily & Expeditiously as soon as noticed as a Natural-Vagary by National/Regional/Local Observatories.

Perused By Way of Information Only.  
Subject To Legalise/Legalese/"Laws of the Land".

Sunday, 28-08-2022, 05:23 PM  
Received, Sunday, 28-08-2022, 12:36 PM

NOTE: 1 A continuing 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>; \*Multiplication Sign