

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 21.4.2022 (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)									
	Air Quality Index		Meteorological Parameters									AQI		Meteorological Parameters							
	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		
Max						Min	Max				Min										
Today: April 21 – 20											Today: April 21 – 20										
Yesterday April 20 – 19											Yesterday April 20 – 19										
4 / 97	Today	68	72	27	3.6	NNW	43.6	29.0	148	0	Today	160	149	28	3.3	SE	45	32.3	183	0	
	Yesterday	57	64	26	3.8	NNW	45.5	28.9	149	0											
3 / 34	Today	84	52	29	3.6	NNW	42.3	28.7	146	0	Yesterday	144	134	27	3.5	SE	46.2	32.2	170	0	
	Yesterday	72	44	26	3.8	NNW	43.7	28.7	139	0											
Science Faculty	Today	82	54	29	3.6	NNW	41.8	27.9	153	0											
	Yesterday	68	45	27	3.9	NNW	43.5	28.3	151	0											

**Views of AQI Research Group:** The AQI at Dayalbagh remained in the MODERATE Category (within the US-EPA 24-hour limits). The AQI increased across locations perhaps because of lower Temperatures, lower Wind Speed and marginally higher Relative Humidity. Prem Nagar recorded the best AQI for PM10.0 and Vidyt Nagar for PM2.5. Sanjay Place had deterioration of AQI for PM2.5 to UNHEALTHY FOR ALL Category and remained in the UNHEALTHY FOR SENSITIVE GROUPS Category for PM10.0.

Remarks of Revered Chairman-ACE:

Received: Thursday, 21 April 2022, 1:31 PM  
Perused: Subject to Legalese / Legalise / "Laws of the Land"



Thursday, 21 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>