

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 18.4.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

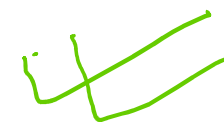
Permissible Limits (24 Hour Mean) : PM<sub>10</sub> = 150; PM<sub>2.5</sub> = 35, all units are in µg/m<sup>3</sup> | Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

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 18 – 17 Yesterday											Today: April 18 – 17 Yesterday									
April 17 – 16											April 17 – 16									
4 / 97	Today	68	71	26	2.5	SSW	45.0	29.4	151	0	Today	159	140	28	1.6	ESE	45.6	31	188	0
	Yesterday	59	66	28	2.6	SSW	43.7	25.9	142	0										
3 / 34	Today	82	51	27	2.6	SSW	43.8	28.5	145	0	Yesterday	152	135	28	2.5	SE	44.6	29.6	195	0
	Yesterday	70	44	28	2.6	SSW	43.2	26.2	147	0										
Science Faculty	Today	84	55	28	2.7	SSW	44.5	27.9	155	0	Yesterday	152	135	28	2.5	SE	44.6	29.6	195	0
	Yesterday	72	50	29	2.6	SSW	43.1	24.9	158	0										

**Views of AQI Research Group:** The AQI in Dayalbagh remained better than that at Sanjay Place and in the MODERATE Category (within the US-EPA permissible limits). Increased Temperatures and mildly lower Relative Humidity seems to have aided better AQI, while lower Wind Speed seems to have been meteorologically responsible for increase in AQI across locations for both the Particulate Pollutants.

Remarks of Revered Chairman-ACE:

Received: Monday, 18 April 2022, 10:40 AM  
Perused: Subject to Legalese / Legalise / "Laws of the Land"



Monday, 18 April 2022, 4:43 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>