

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 30.4.2022 (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 30 – 29 Yesterday	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m²	RF mm	April 30 – 29 Yesterday	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m²	RF mm
							Max	Min									Max	Min		
	April 29 - 28										April 29 - 28									
4 / 97	Today	42	54	23	4.4	SSE	46.6	30.6	161	0	Today	122	122	25	3.1	NE	48.2	33.7	205	0
	Yesterday	57	61	26	2.8	S	46.7	29.7	159	0										
3 / 34	Today	55	32	23	4.4	SSE	45.5	30.6	167	0	Yesterday	158	135	27	2.0	NE	47.9	33.2	207	0
	Yesterday	74	43	28	2.8	S	46.2	30.1	165	0										
Science Faculty	Today	53	34	24	4.5	SSE	44.9	29.5	176	0	Yesterday	158	135	27	2.0	NE	47.9	33.2	207	0
	Yesterday	72	47	28	2.9	S	45.8	29.6	165	0										

**Views of AQI Research Group:** The micron Particulate Pollution concentrations have decreased across all locations probably due to increase in Wind Speed and change in Wind Direction. AQI at Dayalbagh remained within US-EPA 24-hour Average Permissible Limit. PM<sub>2.5</sub> level at Vidyut Nagar and PM<sub>10</sub> levels at Prem Nagar and Science Faculty are in the *Good Category*. The Air Quality at Sanjay Place was in the *Unhealthy for Sensitive Groups Category*.

Remarks of Revered Chairman-ACE:

Received: Saturday, 30 April 2022, 12:07 PM  
Perused: Subject to Legalese / Legalise / "Laws of the Land"

Saturday, 30 April 2022, 3:12 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>