

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 15.4.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) :  $PM_{10} = 150$ ;  $PM_{2.5} = 35$ , all units are in  $\mu g/m^3$  | 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 15 – 14 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	April 15 – 14 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
							Max	Min									Max	Min		
4 / 97	Today	63	84	29	3.1	SSE	42.9	28.3	137	0	Today	154	180	28	2.9	SE	43.7	29.5	173	0
	Yesterday	74	78	25	4.1	S	44.0	26.9	148	0										
3 / 34	Today	74	55	30	3.1	SSE	41.5	28.1	135	0	Yesterday	156	152	27	2.5	E	43.8	30.0	177	0
	Yesterday	91	57	25	4.1	S	42.3	27.2	135	0										
Science Faculty	Today	74	58	30	3.1	SSE	40.8	28.9	138	0										
	Yesterday	89	60	26	4.1	S	42.4	26.2	139	0										

**Views of AQI Research Group:** The AQI at Dayalbagh reduced compared to yesterday perhaps due to changed Wind Direction and higher Minimum Temperature. The Dayalbagh AQI for both the micron Particulate Pollutants was in the 'MODERATE' Category while that of Sanjay Place was in the 'UNHEALTHY FOR ALL' Category. The AQI at all three locations in Dayalbagh remained within the US-EPA (24 hour) permissible limits.

**Remarks of Revered Chairman-ACE:** A cluster of 4 dogs crossed the path of Gracious Huzur while He was returning from morning field work. This could have had serious implications and it should be taken seriously by the SNC, Security Team and RAF Team. Immediate Remedial measures should be taken and reported to the Secretary, RS Sabha and Registrar DEL.

**Received: Friday, 15 April 2022, 11:27 AM**  
**Perused: Subject to Legalese / Legalise / "Laws of the Land"**

**Friday, 15 April 2022, 4:47 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  $PM_{2.5}$  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 ( $PM_{2.5}$ ),  $C_{low}$ =Concentration Breakpoint  $\leq C$ ,  $C_{high}$ =Concentration Breakpoint  $\geq C$ ,  $I_{low}$ =Index Break point corresponding to  $C_{low}$ ,  $I_{high}$ =Index Breakpoint corresponding to  $C_{high}$