

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 11.3.2022 (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:	AQI		Meteorological Parameters							Today:	AQI		Meteorological Parameters						
	March 11 - 10 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	March 11 - 10 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	112	74	53	2.6	SE	33.4	18.4	109	0	Today	153	102	46	2.8	S	32.5	20.2	145	0
	Yesterday	102	74	49	2.1	SE	35.5	20.6	111	0										
3 / 34	Today	124	58	55	2.6	SE	31.8	18.4	109	0	Yesterday	155	106	42	2.8	N	34.4	21.8	147	0
	Yesterday	115	58	50	2.1	SE	33.2	20.2	109	0										
Science Faculty	Today	124	60	58	2.6	SE	31.1	18.1	105	0										
	Yesterday	117	60	53	2.1	SE	32.6	20.0	106	0										

**Views of AQI Research Group:** The AQI at Dayalbagh remained better than that at Sanjay Place. For both Particulate Pollutants the Dayalbagh AQI levels are one category better than Sanjay Place. In Dayalbagh, PM<sub>10.0</sub> levels were stagnant vis-à-vis yesterday but the PM<sub>2.5</sub> levels increased marginally perhaps due to increased Relative Humidity and reduced Temperatures.

**Remarks of Revered Chairman-ACE:**

**Received: Friday, 11 March 2022, 11:57 AM**

**Friday, 11 March 2022, PM**

Good - G

Moderate- M

Unhealthy for Sensitive Groups- UHS

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>