

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 4.1.2022 (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: Jan 4 - 3	AQI		Meteorological Parameters						Today: Jan 4 - 3	AQI		Meteorological Parameters					
	Yesterday: Jan 3 - 2	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C	SR W/m <sup>2</sup>	RF mm	Yesterday: Jan 3 - 2	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C	SR W/m <sup>2</sup>	RF mm
4 / 97	Today	296	155	74	1.1	WNW	16	47	0	Today	208	NA	69	0.9	NNE	12	85	0
	Yesterday	240	125	75	1.3	W	14	39	0									
3 / 34	Today	312	158	78	1.1	WNW	15	59	0	Yesterday	191	Beyond AQI	69	0.9	SE	11	83	0
	Yesterday	271	142	79	1.3	W	14	56	0									
Science Faculty	Today	325	173	82	2.2	NE	14	47	0	Yesterday								
	Yesterday	315	105	82	2.7	NE	13	47	0									

**Views of AQI Research Group:** Elevated levels of particulate matter at Dayalbagh are probably due to high humidity.

**Received:** Tuesday, 04 January 2022, 1:16 PM

**Remarks of Revered Chairman-ACE:**

Tuesday, 04 January 2022,

Good-G

Moderate- M

Unhealthy for Sensitive Groups- US

Unhealthy for All-UH

Very Unhealthy for All-VUH

Hazardous for All- HZ

Hazardous for All-HZ

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>