

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 29.10.2021 (BASED ON US-EPA AQI STANDARDS)

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>

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)										SANJAY PLACE (ARITHMETIC MEAN DATA)									
		AQI				Meteorological Parameters @ Dayalbagh						AQI				Meteorological Parameters @ Sanjay Place					
		PM <sub>2.5</sub>		PM <sub>10</sub>								PM <sub>2.5</sub>		PM <sub>10</sub>							
		Today Oct 29 – Oct 28	Yesterday Oct 28 – Oct 27	Today Oct 29 – Oct 28	Yesterday Oct 28 – Oct 27	RH %	WS m/s	WD	T °C	SR W/ m <sup>2</sup>	RF mm	Today Oct 29 – Oct 28	Yesterday Oct 28 – Oct 27	Today Oct 29 – Oct 28	Yesterday Oct 28 – Oct 27	RH %	WS m/s	WD	T °C	SR W/m <sup>2</sup>	RF mm
4 / 97	09:00 am – 09:00am	174 UH	161 UH	118 US	106 US	61	1.3	ESE	24	92	0	195 UH	180 UH	130 US	133 US	54	1.4	SW	22	160	0
3 / 34	09:00 am – 09:00am	175 UH	172 UH	100 M	90 M	64	1.3	SE	23	93	0										
Science Faculty	09:00 am – 09:00 am	180 UH	167 UH	105 US	91 M	66	2.3	NE	23	75	0										

Received - Friday, 29 October 2021, 3:08 PM

Friday, 28 October 2021,

Good- G

Moderate- M

Unhealthy for Sensitive Groups -US

Unhealthy- UH

Very Unhealthy - VUH

Hazardous - H

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>