

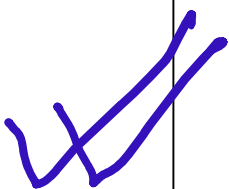
Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 24.10.2021  
(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 24 – Oct 23	Yesterday Oct 23 – Oct 22	Today Oct 24 – Oct 23	Yesterday Oct 23 – Oct 22	RH %	WS m/s	WD	T °C	SR W/ m <sup>2</sup>	RF mm	Today Oct 24 – Oct 23	Yesterday Oct 23 – Oct 22	Today Oct 24 – Oct 23	Yesterday Oct 23 – Oct 22	RH %	WS m/s	WD	T °C	SR W/m <sup>2</sup>	RF mm
4 / 97	09:00 am – 09:00am	115 US	72 M	71 M	50 G	62	2.1	S	28	97	0	158 UH	124 US	94 M	81 M	57	1.2	SSE	26	160	0
3 / 34	09:00 am – 09:00am	124 US	84 M	55 M	39 G	64	2.2	S	27	101	0										
Science Faculty	09:00 am – 09:00 am	137 US	84 M	60 M	40 G	65	2.7	SW	27	83	0										

Received -Sunday, 24 October 2021, 2:06 PM



Sunday, 24 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 (PM2.5), 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>