

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 22.11.2021
(BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean): PM₁₀ = 150; PM_{2.5} = 35, all units are in µg/m³

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 _{2.5}		PM ₁₀								PM _{2.5}		PM ₁₀							
		Today Nov 22 – Nov 21	Yesterday Nov 21 – Nov 20	Today Nov 22 – Nov 21	Yesterday Nov 21 – Nov 20	RH %	WS m/s	WD	T °C	SR W/ m ²	RF mm	Today Nov 22 – Nov 21	Yesterday Nov 21 – Nov 20	Today Nov 22 – Nov 21	Yesterday Nov 21 – Nov 20	RH %	WS m/s	WD	T °C	SR W/m ²	RF mm
4 / 97	09:00 am – 09:00am	187 UH	158 UH	131 US	150 US	59	2.7	NW	22	53	0	170 UH	169 UH	105 US	98 M	50	2.0	E	19	120	0
3 / 34	09:00 am – 09:00am	161 UH	160 UH	126 US	149 US	61	2.7	NW	21	71	0										
Science Faculty	09:00 am – 09:00 am	164 UH	176 UH	128 US	146 US	63	3.3	NE	21	55	0										

Received - Monday, 22 November 2021, 11:43 AM

Monday, 22 November 2021, 3:30 PM

Good G	Moderate M	Unhealthy for Sensitive Groups US	Unhealthy for All UH	Very Unhealthy for All VUH	Hazardous for All H	Hazardous for All H
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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 (PM2.5), C_{low}=Concentration Breakpoint ≤C, C_{high}=Concentration Breakpoint ≥C, I_{low}=Index Break point corresponding to C_{low}, I_{high}=Index Breakpoint corresponding to C_{high}