

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 23.11.2021 (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		RH %	WS m/s	WD	T °C	SR W/m ²	RF mm	PM _{2.5}		PM ₁₀		RH %	WS m/s	WD	T °C	SR W/m ²	RF mm
		Today Nov 23 – Nov 22	Yesterday Nov 22 – Nov 21	Today Nov 23 – Nov 22	Yesterday Nov 22 – Nov 21							Today Nov 23 – Nov 22	Yesterday Nov 22 – Nov 21	Today Nov 23 – Nov 22	Yesterday Nov 22 – Nov 21						
4 / 97	09:00 am – 09:00am	153 UH	187 UH	86 M	131 US	48	3.0	WNW	21	72	0	152 UH	170 UH	88 M	105 US	48	0.7	ENE	19	112	0
3 / 34	09:00 am – 09:00am	161 UH	161 UH	79 M	126 US	50	3.0	WNW	20	80	0			88 M	105 US	48	0.7	ENE	19	112	0
Science Faculty	09:00 am – 09:00 am	164 UH	164 UH	83 M	128 US	53	2.1	ENE	19	56	0			88 M	105 US	48	0.7	ENE	19	112	0

Received - Monday, 23 November 2021, PM

Monday, 23 November 2021,

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 (PM_{2.5}), 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}