

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 15.11.2021 (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 15 – Nov 14	Yesterday Nov 14 – Nov 13	Today Nov 15 – Nov 14	Yesterday Nov 14 – Nov 13							Today Nov 15 – Nov 14	Yesterday Nov 14 – Nov 13	Today Nov 15 – Nov 14	Yesterday Nov 14 – Nov 13						
4 / 97	09:00 am – 09:00am	193 UH	181 UH	133 US	108 US	63	0.9	SSE	20	58	0	204 VUH	171 UH	145 US	102 US	53	0.8	ENE	17	110	0
3 / 34	09:00 am – 09:00am	242 VUH	178 UH	118 US	104 US	64	0.9	SSE	19	54	0			145 US	102 US	53	0.8	ENE	17	110	0
Science Faculty	09:00 am – 09:00 am	263 VUH	179 UH	115 US	103 US	67	2.3	NNE	19	48	0			145 US	102 US	53	0.8	ENE	17	110	0

Received - Monday, 15 November 2021, 12:56 PM

Monday, 15 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

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}