

Radhasoami Dayal Ki Daya Radhasoami Sahai

7AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 9.11.2021 (BASED ON US-EPA AQI STANDARDS)

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 9 – Nov 8	Yesterday Nov 8 – Nov 7	Today Nov 9 – Nov 8	Yesterday Nov 8 – Nov 7	RH %	WS m/s	WD	T °C	SR W/ m ²	RF mm	Today Nov 9 – Nov 8	Yesterday Nov 8 – Nov 7	Today Nov 9 – Nov 8	Yesterday Nov 8 – Nov 7	RH %	WS m/s	WD	T °C	SR W/m ²	RF mm
4 / 97	09:00 am – 09:00am	444 H	388 H	Beyond AQI	332 H	65	1.6	W	22	47	0	463 H	411 H	Beyond AQI	386 H	58	1.1	WSW	19	94	0
3 / 34	09:00 am – 09:00am	430 H	372 H	452 H	289 VUH	67	1.6	W	21	46	0										
Science Faculty	09:00 am – 09:00 am	427 H	360 H	452 H	291 VUH	71	2.4	NE	21	43	0										

Received - Tuesday, 9 November 2021, PM

Tuesday, 9 November 2021,

Moderate

Unhealthy f

Groups US

Unhealthy for All UH

Very Unhealthy for All VUH

Hazardous f

Hazardous fo

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}