

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 18.11.2021 (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 18 – Nov 17	Yesterday Nov 17 – Nov 16	Today Nov 18 – Nov 17	Yesterday Nov 17 – Nov 16	RH %	WS m/s	WD	T °C	SR W/ m ²	RF mm	Today Nov 18 – Nov 17	Yesterday Nov 17 – Nov 16	Today Nov 18 – Nov 17	Yesterday Nov 17 – Nov 16	RH %	WS m/s	WD	T °C	SR W/m ²	RF mm
4 / 97	09:00 am – 09:00am	168 UH	182 UH	153 UH	97 M	58	1.3	ENE	21	62	0	223 VUH	172 UH	167 UH	112 US	54	0.5	ESE	18	108	0
3 / 34	09:00 am – 09:00am	162 UH	180 UH	136 US	114 US	63	1.3	ENE	20	61	0										
Science Faculty	09:00 am – 09:00 am	161 UH	167 UH	135 US	144 US	63	3.6	NNE	20	50	0										

Received - Thursday, 18 November 2021, 3:40 PM

Thursday, 18 November 2021,

Good G

Moderate M

or 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}