

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 8.12.2021 (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)										AVAS VIKAS (SIKANDRA) (ARITHMETIC MEAN DATA)									
		AQI				Meteorological Parameters @ Dayalbagh						AQI				Meteorological Parameters @ Sanjay Place					
		PM _{2.5}		PM ₁₀								PM _{2.5}		PM ₁₀							
		Today Dec 8 – Dec 7	Yesterday Dec 7 – Dec 6	Today Dec 8 – Dec 7	Yesterday Dec 7 – Dec 6	RH %	WS m/s	WD	T °C	SR W/ m ²	RF mm	Today Dec 8 – Dec 7	Yesterday Dec 7 – Dec 6	Today Dec 8 – Dec 7	Yesterday Dec 7 – Dec 6	RH %	WS m/s	WD	T °C	SR W/m ²	RF mm
4 / 97	09:00 am – 09:00am	151 UH	160 UH	84 M	138 US	68	2.6	WNW	19	69	0	151 UH	181 UH	75 M	106 US	65	0.8	NE	18	94	0
3 / 34	09:00 am – 09:00am	163 UH	162 UH	86 M	146 US	69	2.6	WNW	18	67	0										
Science Faculty	09:00 am – 09:00 am	163 UH	162 UH	85 M	133 US	72	3.0	NE	18	51	0										

Views of AQI Group: Since the Sanjay Place data was not available today, the Dayalbagh readings have been compared with the UPPCB Avas Vikas Colony (Sikandra) data.

Received – Wednesday, 8 December, 2021, 11:23 AM

Remarks of Revered Chairman-ACE:

Wednesday, 8 December 2021, 4:37 PM

Good G

Moderate

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}