

Radhasoami Dayal Ki Daya Radhasoami Sahai

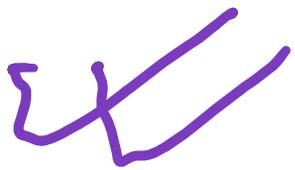
AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 30.11.2021 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

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 30 – Nov 29	Yesterday Nov 29 – Nov 28	Today Nov 30 – Nov 29	Yesterday Nov 29 – Nov 28							Today Nov 30 – Nov 29	Yesterday Nov 29 – Nov 28	Today Nov 30 – Nov 29	Yesterday Nov 29 – Nov 28						
4 / 97	09:00 am – 09:00am	161 UH	165 UH	124 US	93 M	66	2.0	WNW	20	43	0										
3 / 34	09:00 am – 09:00am	165 UH	163 UH	134 US	101 US	67	2.0	WNW	20	62	0	176 UH	182 UH	116 US	124 US	57	1.4	ESE	17	110	0
Science Faculty	09:00 am – 09:00 am	168 UH	178 UH	144 US	138 US	71	3.3	NE	19	49	0										

Views of AQI Group: Westerly winds at Dayalbagh Vs Easterly winds at Sanjay Place account for marginally higher PM10.0 AQI at Dayalbagh. RH at Dayalbagh continues to be high compared to Sanjay Place.

Received - Tuesday, 30 November 2021, 2:34 PM



Tuesday, 30 November 2021,

Remarks of Chairman-ACE Today:

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}