

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 28.11.2021 (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 28 – Nov 27	Yesterday Nov 27 – Nov 26	Today Nov 28 – Nov 27	Yesterday Nov 27 – Nov 26							RH %	WS m/s	WD	T °C						
4 / 97	09:00 am – 09:00am	178 UH	162 UH	108 US	103 US	66	2.5	ESE	21	63	0	186 UH	178 UH	127 US	127 US	61	1.1	S	18	110	0
3 / 34	09:00 am – 09:00am	171 UH	160 UH	96 M	108 US	68	2.5	ESE	21	63	0										
Science Faculty	09:00 am – 09:00 am	189 UH	180 UH	113 US	136 US	71	1.7	ENE	20	50	0										

Views of AQI Group:

Received - Sunday, 28 November 2021, 12:38 PM

Remarks of GH Today:

Sunday, 28 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 -

$$I = \frac{I_{\text{high}} - I_{\text{low}}}{C_{\text{high}} - C_{\text{low}}} * (C - C_{\text{low}}) + I_{\text{low}}$$

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}