Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 3.11.2021
(BASED ON US-EPA AQI STANDARDS)

Permissible Limits (24 Hour Mean) : PM_{10} = 150; $PM_{2.5}$ = 35, all units are in µg/m³

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA) — AQI — PM2.5 Today Nov 3 – Nov 2	PM2.5 Yesterday Nov 2 – Nov 1	PM10 Today Nov 3 – Nov 2	PM10 Yesterday Nov 2 – Nov 1	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	SANJAY PLACE (ARITHMETIC MEAN DATA) — AQI — PM2.5 Today Nov 3 – Nov 2	PM2.5 Yesterday Nov 2 – Nov 1	PM10 Today Nov 3 – Nov 2	PM10 Yesterday Nov 2 – Nov 1	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	200 UH	187 UH	140 US	134 US	56	1.9	ESE	24	73	0										
3 / 34	09:00 am – 09:00am	192 UH	188 UH	118 US	109 US	58	1.9	ESE	24	84	0	192 UH	210 VUH	270 VUH	124 US	50	1.2	S	23	147	0
Science Faculty	09:00 am – 09:00 am	196 UH	195 UH	123 US	117 US	59	2.2	ENE	24	66	0										

Good- G | Moderate- M | Unhealthy for Sensitive Groups -US | Unhealthy- UH | Very Unhealthy - VUH | Hazardous - 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 PM2.5 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 (PM2.5), Clow=Concentration Breakpoint ≤C, Chigh=Concentration Breakpoint ≥C, Ilow=Index Break point corresponding to Clow, Ihigh=Index Breakpoint corresponding to Chigh