Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 17.11.2021
(BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) : PM$_{10}$ = 150; PM$_{2.5}$ = 35, all units are in µg/m^3

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA) AQI PM$_{2.5}$ Today Nov 17 – Nov 16	Yesterday Nov 16 – Nov 15	PM$_{10}$ Today Nov 17 – Nov 16	Yesterday Nov 16 – Nov 15	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm	SANJAY PLACE (ARITHMETIC MEAN DATA) AQI PM$_{2.5}$ Today Nov 17 – Nov 16	Yesterday Nov 16 – Nov 15	PM$_{10}$ Today Nov 17 – Nov 16	Yesterday Nov 16 – Nov 15	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm
4 / 97	09:00 am – 09:00am	182 UH	173 UH	97 M	96 M	58	1.1	SE	20	63	0										
3 / 34	09:00 am – 09:00am	180 UH	190 UH	114 US	101 US	62	1.1	ESE	19	65	0	172 UH	174 UH	112 US	121 US	51	0.9	E	17	121	0
Science Faculty	09:00 am – 09:00 am	167 UH	176 UH	144 US	130 US	63	3.9	NE	19	52	0										

Received - Wednesday, 17 November 2021, PM

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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 (PM2.5), Clow=Concentration Breakpoint ≤C, Chigh=Concentration Breakpoint ≥C, Ilow=Index Break point corresponding to Clow, Ihigh=Index Breakpoint corresponding to Chigh