Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 29.11.2021
(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 29 – Nov 28	Yesterday Nov 28 – Nov 27	PM$_{10}$ Today Nov 29 – Nov 28	Yesterday Nov 28 – Nov 27	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm	SANJAY PLACE (ARITHMETIC MEAN DATA) AQI PM$_{2.5}$ Today Nov 29 – Nov 28	Yesterday Nov 28 – Nov 27	PM$_{10}$ Today Nov 29 – Nov 28	Yesterday Nov 28 – Nov 27	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm
4 / 97	09:00 am – 09:00am	165 UH	178 UH	93 M	108 US	68	1.1	E	21	62	0										
3 / 34	09:00 am – 09:00am	163 UH	171 UH	101 US	96 M	70	1.1	E	20	62	0	182 UH	186 UH	124 US	127 US	61	0.7	WSW	19	112	0
Science Faculty	09:00 am – 09:00 am	178 UH	189 UH	138 US	113 US	72	2.2	ENE	20	49	0										

Views of AQI Group:

Remarks of GH Today:

Received - Monday, 29 November 2021, PM

Monday, 29 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 -

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

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