Radhasoami Dayal Ki Daya Radhasoami Sahai

7AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 7.11.2021
(BASED ON US-EPA AQI STANDARDS)

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

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 7 – Nov 6	Yesterday Nov 6 – Nov 5	Today Nov 7 – Nov 6	Yesterday Nov 6 – Nov 5	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm	Today Nov 7 – Nov 6	Yesterday Nov 6 – Nov 5	Today Nov 7 – Nov 6	Yesterday Nov 6 – Nov 5	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm
4 / 97	09:00 am – 09:00am	341 H	271 VUH	179 UH	193 UH	56	2.7	WNW	23	51	0	347 H	305 H	424 H	372 H	50	1.4	S	21	111	0
3 / 34	09:00 am – 09:00am	334 H	268 VUH	132 US	171 UH	59	2.7	WNW	22	54	0										
Science Faculty	09:00 am – 09:00 am	266 VUH	267 VUH	148 US	175 UH	61	2.4	NE	22	51	0										

Received - Sunday, 7 November 2021, 3:14 PM

Sunday, 7 November 2021,

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 $PM_{2.5}$ 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