Radhasoami Dayal Ki Daya Radhasoami Sahai

7AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 8.11.2021 (BASED ON US-EPA AQI STANDARDS)

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

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)										SANJAY PLACE (ARITHMETIC MEAN DATA)									
		AQI				Meteorological Parameters @					AQI				Meteorological Parameters @						
		PM _{2.5}		PM ₁₀		Dayalbagh					PM _{2.5}		PM ₁₀		Sanjay Place						
		Today Nov 8 – Nov 7	Yesterday Nov 7 – Nov 6	Today Nov 8 – Nov 7	Yesterday Nov 7 – Nov 6	RH %	WS m/s	WD	T °C	SR W/ m²	RF mm	Today Nov 8 – Nov 7	Yesterday Nov 7 – Nov 6	Today Nov 8 – Nov 7	Yesterday Nov 7 – Nov 6	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am - 09:00am	388 H	341 H	332 H	179 UH	62	1.7	WS W	23	59	0	411 H	347 H	386 H	424 H	54		SE	20	122	0
3 / 34	09:00 am - 09:00am	372 H	334 H	289 VUH	132 US	63	1.7	WS W	22	65	0						1.2				
Science Faculty	09:00 am - 09:00 am	360 H	266 VUH	291 VUH	148 US	61	2.4	NE	22	51	0										

Received - Monday, 8 November 2021, 2:32 PM

Monday, 8 November 2021,

Good- (

Moderate- M

Unhealthy for Sensitive Groups -US

Jnhealthv- 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 PM₂₅ 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 (PM2.5), Clow=Concentration Breakpoint ≤C, Chigh=Concentration Breakpoint ≥C, Ilow=Index Break point corresponding to Clow, Ihigh=Index Breakpoint corresponding to Chigh