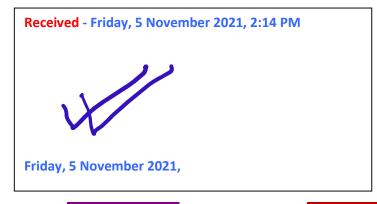# Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 5.11.2021
(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 5 – Nov 4	Yesterday Nov 4 – Nov 3	Today Nov 5 – Nov 4	Yesterday Nov 4 – Nov 3	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm	Today Nov 5 – Nov 4	Yesterday Nov 4 – Nov 3	Today Nov 5 – Nov 4	Yesterday Nov 4 – Nov 3	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm
4 / 97	09:00 am – 09:00am	302 H	175 UH	241 VUH	108 US	61	1.6	WSW	23	66	0	412 H	179 UH	329 H	130 US	56	1.1	E	21	129	0
3 / 34	09:00 am – 09:00am	261 VUH	178 UH	187 UH	95 M	66	1.6	SSW	22	73	0										
Science Faculty	09:00 am – 09:00 am	285 VUH	181 UH	191 UH	100 M	67	2.7	NE	22	60	0										

Received - Friday, 5 November 2021, 2:14 PM

Friday, 5 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