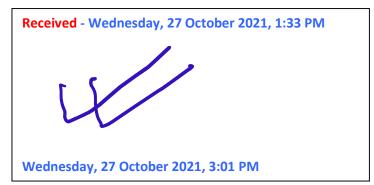# Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 27.10.2021
(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 Oct 27 – Oct 26	Yesterday Oct 26 – Oct 25	Today Oct 27 – Oct 26	Yesterday Oct 26 – Oct 25	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm	Today Oct 27 – Oct 26	Yesterday Oct 26 – Oct 25	Today Oct 27 – Oct 26	Yesterday Oct 26 – Oct 25	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm
4 / 97	09:00 am – 09:00am	152 UH	155 UH	69 M	55 M	67	1.9	WSW	23	82	0	166 UH	163 UH	112 US	92 M	54	1.4	WSW	21	167	0
3 / 34	09:00 am – 09:00am	152 UH	156 UH	88 M	56 M	61	2.0	W	24	98	0										

Received - Wednesday, 27 October 2021, 1:33 PM

Wednesday, 27 October 2021, 3:01 PM

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

Radhasoami Dayal Ki Daya Radhasoami Sahai

Science Faculty	09:00 am – 09:00 am	154 UH	160 UH	74 M	60 M	64	2.0	W	23	100	0								

Remarks of GH Today:

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