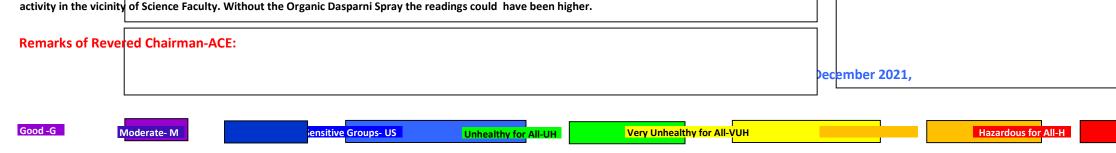
Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 23.12.2021 (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 $\mu g/m^3$

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									SANJAY PLACE (ARITHMETIC MEAN DATA)										
		AQI				Meteorological Parameters @ Dayalbagh Today					AQI				Meteorological Parameters @ Sanjay Place Today						
		PM _{2.5}		PM10		Yesterday				PM _{2.5} PM ₁₀			Yesterday								
		Today Dec 23 – Dec 22	Yesterday Dec 22 – Dec 21	Today Dec 23 – Dec 22	Yesterday Dec 22 – Dec 21	RH %	WS m/s	WD	°C	SR W/m ²	RF mm	Today Dec 23 – Dec 22	Yesterday Dec 22 – Dec 21	Today Dec 23 – Dec 22	Yesterday Dec 22 – Dec 21	RH %	WS m/s	WD	°C	SR W/m ²	RF mm
4 / 97	09:00 am _ 09:00am	160 UH	215 VUH	114 US	130 US	65 	1.1 0.9	SSE SSW	17 15	50 <u>42</u>	0 0										
3 / 34	09:00 am _ 09:00am	198 UH	242 VUH	106 US		69 68	1.1 <u>0.9</u>	SSE SSW	16 <u>15</u>	59 <u>61</u>	0 0	195 UH	229 VUH	162 UH	660 H	<u>50</u> <u>60</u>	$\frac{0.7}{0.8}$	W ENE	$\frac{13}{12}$	105 110	0 0
Science Faculty	09:00 am _ 09:00 am	222 VUH	231 VUH	99 103 M US	72 71	$\frac{1.5}{}$	SSE NNE	16 14	46 47	0 0											



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 –

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

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