## Radhasoami Dayal Ki Daya Radhasoami Sahai

## ` AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 24.12.2021 (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)  AQI  Meteorological Parameters @ Dayalbagh Today										SANJAY PLACE (ARITHMETIC MEAN DATA)  AQI  Meteorological Parameters @ Sanjay Place Today									
		PM <sub>2.5</sub>		PM <sub>10</sub>		Yesterday				-	PM <sub>2.5</sub>			M <sub>10</sub>				Yesterday			
		Today Dec 24 – Dec 23	Yesterday Dec 23 – Dec 22	Today Dec 24 – Dec 23	Yesterday Dec 23 – Dec 22	RH %	WS m/s	WD	°C	SR W/m <sup>2</sup>	RF mm	Today Dec 24 – Dec 23	Yesterday Dec 23 – Dec 22	Today Dec 24 – Dec 23	Yesterday Dec 23 – Dec 22	RH %	WS m/s	WD	°C	SR W/m <sup>2</sup>	RF mm
4 / 97	09:00 am - 09:00am	160 UH	160 UH 105 US		114 US	68  65	1.6  0.9	ESE  SSW	16  15	41  50	0		195 UH	166 UH	162 UH	62 50	1.1  0.7	W W		83  105	
3 / 34	09:00 am - 09:00am	163 UH	198 UH	106 US	106 US	69  68	1.6  0.9	ESE  SSW	16  15	45  59	0	185 UH							13		0 -0
Science Faculty	09:00 am - 09:00 am	163 UH	222 VUH	103 US	99 M	72  71	1.7  2.0	SW  NNE	16  14	37  46	0										

Views of AQI Research Group: Dayalbagh AQI at all three locations is better than Sanjay Place despite higher RH at Dayalbagh. There is improvement in Dayalbagh readings over yesterday on account of change in wind direction and more dispersal of ambient pollution because of higher wind speed.

**Remarks of Revered Chairman-ACE:** 

, 24 December 2021, 12:50 PM

ember 2021.

Good -G

Moderate- M

ensitive Groups- US

Unhealthy for All-UH

Very Unhealthy for All-VUH

Hazardous for All- H

Hazardous for All-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<sub>2.5</sub> concentration readings are fed in USEPA online calculator for AQI calculation. 3 Formula for AQI calculation for a Pollutant –

official for AQI calculation for a Foliatant –

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

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