## Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 26.12.2021 (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)			ΓΙΜΕ V QI		TED A	VERAGE DATA)  Meteorological Parameters @ Dayalbagh Today				SANJAY PLACE (ARITHMETIC MEAN DATA)  AQI  Meteorological Parameters @ Sanjay Place Today						ce -				
		PM <sub>2.5</sub>		PM <sub>10</sub>		Yesterday				PM <sub>2.5</sub> PM <sub>10</sub>			Yesterday								
		Today Dec 26 – Dec 25	Yesterday Dec 25 – Dec 24	Today Dec 26 – Dec 25	Yesterday Dec 25 – Dec 24	RH %	WS m/s	WD	°C	SR W/m <sup>2</sup>	RF mm	Today Dec 26 – Dec 25	Yesterday Dec 25 – Dec 24	Today Dec 26 – Dec 25	Yesterday Dec 25 – Dec 24	RH %	WS m/s	WD	°C	SR W/m <sup>2</sup>	RF mm
4 / 97	09:00 am - 09:00am	333 H	190 UH	212 VUH	120 US	75  72	1.3  1.6	ENE  E	16  16	38  47	0										
3 / 34	09:00 am - 09:00am	318 H	190 UH	218 VUH	113 US	78  72	1.3  1.6	ENE  E	16  16	46  56	0	334 H	228 VUH	325 H	198 UH	69  65	0.6	<u>S</u> S	14  14	80  97	0
Science Faculty	09:00 am - 09:00 am	345 H	205 VUH	139 US	97 M	80  77	1.8  1.9	SSW  SSW	16  16	40  44	0										

Views of AQI Research Group:				nday, 26 Decen	nber 2021, 11:51 AM
Remarks of Revered Chairman-ACE:					
				cember 2021,	
Good -G Moderate- M	ensitive Groups- US	Unhealthy for All-UH	Very Unhealthy for All-VUH	Hazardous for All- I	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 –

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

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