Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 22.12.2021 (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 _{2.5}		PM ₁₀		 Yesterday					PM _{2.5}			PM ₁₀		 Yesterday						
		Today Dec 22 – Dec 21	Yesterday Dec 21 – Dec 20	Today Dec 22 – Dec 21	Yesterday Dec 21 – Dec 20	RH %	WS m/s	WD	T °C	SR W/ m ² Visible Region	RF mm	Too Dec:	22 –	Yesterday Dec 21 – Dec 20	Today Dec 22 – Dec 21	Yesterday Dec 21 – Dec 20	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am - 09:00am	215 VUH	194 UH	130 US	124 US	65 65	0.9 1.1	SSW WNW	15 13	42 46	0	229 VUI			660 BA*	250 VUH	60 51					
3 / 34	09:00 am - 09:00am	242 VUH	193 UH	141 US	137 US	68	0.9 1.1	SSW WNW	15 13	61 63	0			257 VUH				0.8	ENE ESE	12 10	110 113	0
Science Faculty	09:00 am - 09:00 am	231 VUH	183 UH	103 US	96 M	71 71	2.0	NNE NE	14 12	47 49	0											

Views of AQI Research Group: Fog has resulted in elevated concentrations and deterioration of air quality.

* BA – Beyond the AQI upper limit of 500

Remarks of Revered Chairman-ACE: No conclusive evidence yet; accordingly continue further relevant research investigations for accepting / rejecting views of AQI Research Group

ednesday, 22 December 2021, 12:30 PM

W

2 December 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_{2.5} concentration readings are fed in USEPA online calculator for AQI calculation. 3 Formula for AQI calculation for a Pollutant –

ormala for Aqr calculation for a rollatant

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

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