Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 14.12.2021 (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									PM	2.5	PM ₁₀			Yesterday					
		Today Dec 14 – Dec 13	Yesterday Dec 13 – Dec 12	Today Dec 14 – Dec 13	Yesterday Dec 13 – Dec 12	RH %	WS m/s	WD	T °C	SR W/ m²	RF mm	Todo Dec 14 Dec	ı –	Yesterday Dec 13 – Dec 12	Today Dec 14 – Dec 13	Yesterday Dec 13 – Dec 12	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	
4 / 97	09:00 am - 09:00am	171 UH		100 M	104 US	69	1.3 0.9	E ESE	17 16	50 50	0												
3 / 34	09:00 am - 09:00am	161 UH	154 UH	147 US	119 US	72 70	1.3 0.9	E ESE	16 16	51 56	0	176 UH	158 UH	114 US	89 M	62	0.8	SSE SSE	14 13	103 105	0		
Science Faculty	09:00 am - 09:00 am	189 UH	156 UH	111 US	118 US	75 73	2.0	SSE NE	16 15	48 43	0												

Views of AQI Group: Out of 6 AQI data points of Dayalbagh for today (3 of PM2.5 and 3 of PM10.0), for 4 AQI data points, Dayalbagh is better than Sanjay Place. PM2.5 of Science Faculty @ DEI and PM10.0 of Prem Nagar are higher compared to Sanjay Place. Relative Humidity at Dayalbagh remains higher compared to Sanjay Place.

Remarks of Chairman-ACE: Calibration of the Science Faculty metering-device for Wind Speed vis -a vis the other two sites may be carried out.

esday, 14 December 2021, 12:20 PM

ecember 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 –

india for Aqrealedation for a rollatarit

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

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