Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 10.11.2021 (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 @				AQI				Meteorological Parameters @						
		PM2.5		PM ₁₀		Dayalbagh				PM _{2.5} PN		M10		Sanjay Place							
		Today Nov 10 – Nov 9	Yesterday Nov 9 – Nov 8	Today Nov 10 – Nov 9	Yesterday Nov 9 – Nov 8	RH %	WS m/s	WD	°C	SR W/ m ²	RF mm	Today Nov 10 – Nov 9	Yesterday Nov 9 – Nov 8	Today Nov 10 – Nov 9	Yesterday Nov 9 – Nov 8	RH %	WS m/s	WD	°C	SR W/m ²	RF mm
4 / 97	09:00 am 09:00am	275 VUH	444 H	113 US	Beyond AQI	62	1.4	SSW	22	55	0										
3 / 34	09:00 am _ 09:00am	284 VUH	430 H	126 US	452 H	64	1.4	S	21	60	0	283 VUH	199 UH	199 UH	411 H	53	1.2	Ε	20	115	0
Science Faculty	09:00 am 09:00 am	292 VUH	427 H	129 US	452 H	66	2.5	NE	21	52	0										

Received - Wednesday, 10 November 2021, 3:40 PM

Wednesday, 10 November 2021,

Good G	Moderate M	or Sensitive 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 -

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

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