Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 2.12.2021 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean): PM₁₀ = 150; PM_{2.5} = 35, all units are in µg/m³

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					PM2.5		PM ₁₀		Sanjay Place						
		Today Dec 2 – Dec 1	Yesterday Dec 1 – Nov 30	Today Dec 2 – Dec 1	Yesterday Dec 1 – Nov 30	RH %	WS m/s	WD	°C	SR W/ m ²	RF mm	Today Dec 2 – Dec 1	Yesterday Dec 1 – Nov 30	Today Dec 2 – Dec 1	Yesterday Dec 1 – Nov 30	RH %	WS m/s	WD	°C	SR W/m ²	RF mm
4 / 97	09:00 am 09:00am	262 VUH	166 UH	297 VUH	109 US	77	1.5	W	19	25	0	201 VUH	183 UH	146 US	127 US	69	0.9	ENE	16	43	0
3 / 34	09:00 am _ 09:00am	295 VUH	162 UH	192 UH	110 US	77	1.6	W	18	25	0										
Science Faculty	09:00 am 09:00 am	311 H	179 UH	202 VUH	128 US	82	2.7	NE	18	24	0										
Views of	ews of AQI Group: Increased Relative Humidity appears to be the cause of worsening AQI at Dayalbagh														ırsday, 2 December 2021, 12:17 PM						



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 $\mathsf{PM}_{2.5}$ concentration readings are fed in USEPA online calculator for AQI calculation.

3 Formula for AQI calculation for a Pollutant -

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

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