Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 9.12.2021
(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 µg/m³

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)										AVAS VIKAS (SIKANDRA) (ARITHMETIC MEAN DATA)									
		AQI				Meteorological Parameters @ Dayalbagh (Today / Yesterday)						AQI				Meteorological Parameters @ Sanjay Place					
		$PM_{2.5}$		PM_{10}								$PM_{2.5}$		PM_{10}							
		Today Dec 9 – Dec 8	Yesterday Dec 8 – Dec 7	Today Dec 9 – Dec 8	Yesterday Dec 8 – Dec 7	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	Today Dec 9 – Dec 8	Yesterday Dec 8 – Dec 7	Today Dec 9 – Dec 8	Yesterday Dec 8 – Dec 7	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	157 UH	151 UH	92 M	84 M	66 ---- 68	1.3 ---- 2.6	WNW ---- WNW	18 ---- 19	66 ---- 69	0 ---- 0	139 US	151 UH	96 M	75 M	66 ---- 65	0.5 ---- 0.8	NE ---- NE	17 ---- 18	94 ---- 94	0 ---- 0
3 / 34	09:00 am – 09:00am	169 UH	163 UH	97 M	86 M	70 ---- 69	1.3 ---- 2.6	WNW ---- WNW	17 ---- 18	64 ---- 67	0 ---- 0										
Science Faculty	09:00 am – 09:00 am	169 UH	163 UH	94 M	85 M	72 ---- 72	3.1 ---- 3.0	NE ---- NE	17 ---- 18	49 ---- 51	0 ---- 0										

Views of AQI Group:

Received - Thursday, 9 December, 2021, 11:09 PM

Remarks of Revered Chairman-ACE:

Thursday, 9 December 2021

Good G | Mo | Unhealthy for 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 -

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

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