Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 10.12.2021
(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						AQI				Meteorological Parameters @ Sanjay Place					
		$PM_{2.5}$		PM_{10}								$PM_{2.5}$		PM_{10}							
		Today Dec 10 – Dec 9	Yesterday Dec 9 – Dec 8	Today Dec 10 – Dec 9	Yesterday Dec 9 – Dec 8	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	Today Dec 10 – Dec 9	Yesterday Dec 9 – Dec 8	Today Dec 10 – Dec 9	Yesterday Dec 9 – Dec 8	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	167 UH	157 UH	108 US	92 M	66	1.3	WNW	18	66	0	172 UH	139 US	103 US	96 M	64	0.5	NE	17	94	0
3 / 34	09:00 am – 09:00am	159 UH	169 UH	114 US	97 M	70	1.3	WNW	17	64	0										
Science Faculty	09:00 am – 09:00 am	161 UH	169 UH	106 US	94 M	72	3.1	NE	17	49	0										

Views of AQI Group:

Received - Friday, 10 December, 2021, 12:10 PM

Remarks of Revered Chairman-ACE:

Friday, 10 December, 2021

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