Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 3.12.2021
(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)										SANJAY PLACE (ARITHMETIC MEAN DATA)									
		AQI				Meteorological Parameters @ Dayalbagh						AQI				Meteorological Parameters @ Sanjay Place					
		$PM_{2.5}$		PM_{10}								$PM_{2.5}$		PM_{10}							
		Today Dec 3 – Dec 2	Yesterday Dec 2 – Dec 1	Today Dec 3 – Dec 2	Yesterday Dec 2 – Dec 1	RH %	WS m/s	WD	T °C	SRW /m²	RF mm	Today Dec 3 – Dec 2	Yesterday Dec 2 – Dec 1	Today Dec 3 – Dec 2	Yesterday Dec 2 – Dec 1	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	142 US	262 VUH	90 M	297 VUH	74	2.2	WNW	18	29	Trace (ie <1mm)	164 UH	201 VUH	89 M	146 US	67	2.2	SE	15	46	0
3 / 34	09:00 am – 09:00am	162 UH	295 VUH	84 M	192 UH	74	2.1	WNW	18	27	Trace "										
Science Faculty	09:00 am – 09:00 am	165 UH	311 H	84 M	202 VUH	78	3.5	NE	18	26	Trace "										

Views of AQI Group: The scavenging / scraping effect of trace rainfall yesterday seems to be the only cause for significant improvement in PM10.0 and one notch improvement in PM2.5 in last 24 hours vis-à-vis the previous 24 hours. It corroborates the importance of 40 feet height water jet spray being done by SNC in Dayalbagh.

lay, 3 December 2021, 12:52 PM

Remarks of GH Today:

ember 2021, 4:05 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 $PM_{2.5}$ 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

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Concentration Within WHO, 2021 Limits | Concentration Beyond WHO, 2021 Limits