Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 7.12.2021
(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 7 – Dec 6	Yesterday Dec 6 – Dec 5	Today Dec 7 – Dec 6	Yesterday Dec 6 – Dec 5	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	Today Dec 7 – Dec 6	Yesterday Dec 6 – Dec 5	Today Dec 7 – Dec 6	Yesterday Dec 6 – Dec 5	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	160 UH	158 UH	138 US	157 UH	79	2.2	W	19	48	0	180 UH	173 UH	104 US	98 M	66	1.4	SE	20	218	0
3 / 34	09:00 am – 09:00am	162 UH	172 UH	146 US	94 M	80	2.2	W	19	47	0										
Science Faculty	09:00 am – 09:00 am	162 UH	190 UH	133 US	144 US	83	2.4	NNE	19	40	0										

Views of AQI Group:

Remarks of Revered Chairman-ACE:

esday, 7 December 2021, 11:22 AM

ecember 2021,

Good G | Moderate M | r 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