Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 30.11.2021
(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/m^3

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 Nov 30 – Nov 29	Yesterday Nov 29 – Nov 28	Today Nov 30 – Nov 29	Yesterday Nov 29 – Nov 28	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm	Today Nov 30 – Nov 29	Yesterday Nov 29 – Nov 28	Today Nov 30 – Nov 29	Yesterday Nov 29 – Nov 28	RH %	WS m/s	WD	T °C	SR W/m^2	RF mm
4 / 97	09:00 am – 09:00am	161 UH	165 UH	124 US	93 M	66	2.0	WNW	20	43	0	176 UH	182 UH	116 US	124 US	57	1.4	ESE	17	110	0
3 / 34	09:00 am – 09:00am	165 UH	163 UH	134 US	101 US	67	2.0	WNW	20	62	0										
Science Faculty	09:00 am – 09:00 am	168 UH	178 UH	144 US	138 US	71	3.3	NE	19	49	0										

Views of AQI Group: Westerly winds at Dayalbagh Vs Easterly winds at Sanjay Place account for marginally higher PM10.0 AQI at Dayalbagh. RH at Dayalbagh continues to be high compared to Sanjay Place.

Remarks of Chairman-ACE Today:

Received - Tuesday, 30 November 2021, 2:34 PM

Tuesday, 30 November 2021,

Good G | Moderate M | 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