Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 16.11.2021
(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/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 Nov 16 – Nov 15	Yesterday Nov 15 – Nov 14	Today Nov 16 – Nov 15	Yesterday Nov 15 – Nov 14	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	Today Nov 16 – Nov 15	Yesterday Nov 15 – Nov 14	Today Nov 16 – Nov 15	Yesterday Nov 15 – Nov 14	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	173 UH	193 UH	96 M	133 US	59	1.0	SE	20	65	0	174 UH	204 VUH	121 US	145 US	50	1.0	S	18	121	0
3 / 34	09:00 am – 09:00am	190 UH	242 VUH	101 US	118 US	60	1.0	SE	20	65	0										
Science Faculty	09:00 am – 09:00 am	176 UH	263 VUH	130 US	115 US	63	3.3	NNE	19	52	0										

Received - Tuesday, 16 November 2021, 1:14 PM

Tuesday, 16 November 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