Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 16.12.2021
(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 Today / Yesterday						AQI				Meteorological Parameters @ Sanjay Place Today / Yesterday					
		$PM_{2.5}$		PM_{10}								$PM_{2.5}$		PM_{10}							
		Today Dec 16 – Dec 15	Yesterday Dec 15 – Dec 14	Today Dec 16 – Dec 15	Yesterday Dec 15 – Dec 14	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	Today Dec 16 – Dec 15	Yesterday Dec 15 – Dec 14	Today Dec 16 – Dec 15	Yesterday Dec 15 – Dec 14	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	186 UH	163 UH	115 US	108 US	74 / 72	1.8 / 1.5	S / E	17 / 17	48 / 45	0 / 0	179 UH	172 UH	118 US	108 US	66 / 65	1.0 / 1.1	E / SSE	14 / 14	92 / 85	0 / 0
3 / 34	09:00 am – 09:00am	172 UH	166 UH	105 US	154 UH	77 / 75	1.8 / 1.4	S / ESE	17 / 16	46 / 31	0 / 0										
Science Faculty	09:00 am – 09:00 am	208 VUH	179 UH	123 US	151 UH	80 / 77	2.3 / 2.1	ESE / SSW	17 / 17	45 / 42	0 / 0										

Views of AQI Group: Prem Nagar AQI for both pollutants is better than Sanjay Place. Marginal increase in Relative Humidity has resulted in marginal increase in Particulate matter concentrations at both sites. Hence Air Quality has slightly deteriorated at both sites w.r.t previous day.

Remarks of Revered Chairman-ACE: Underlying malady plaguing Diploma-Level of Technical College at DEI is: It's lack of initiative in keeping up with the rapid progress of DEI in actively participating as a Member-Country in International advancements of International Space Station (ISS) as a modular Space Station (habitable artificial satellite in low earth orbit).

ursday, 16 December 2021, 11:18 AM

December 2021, 5:11 PM

Good -G | Moderate- M | ensitive 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