Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 6.12.2021
(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 6 – Dec 5	Yesterday Dec 5 – Dec 4	Today Dec 6 – Dec 5	Yesterday Dec 5 – Dec 4	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	Today Dec 6 – Dec 5	Yesterday Dec 5 – Dec 4	Today Dec 6 – Dec 5	Yesterday Dec 5 – Dec 4	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	158 UH	153 UH	157 UH	101 US	78	1.5	SSE	20	47	0	173 UH	164 UH	98 M	90 M	72	0.8	SSE	18	75	0
3 / 34	09:00 am – 09:00am	172 UH	154 UH	94 M	106 US	80	1.5	SE	20	44	0										
Science Faculty	09:00 am – 09:00 am	190 UH	163 UH	144 US	101 US	83	1.7	SE	20	42	0										

Views of AQI Group: **Prem Nagar readings are lower than Sanjay Place for PM2.5 & PM10. Science Faculty continues to have higher readings amongst the 3 weather stations of Dayalbagh. More rigorous misting schedule has been started from today all-around Science Faculty in response to the observation of Revered Chairman – ACE vesterday.**

nday, 6 December 2021, 11:09 PM

Remarks of Revered Chairman ACE:

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