Radhasoami Dayal Ki Daya Radhasoami Sahai

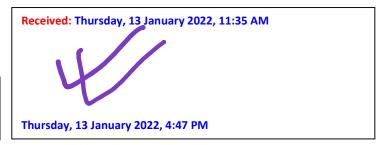
AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 13.1.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean): $PM_{10} = 150$; $PM_{2.5} = 35$, all units are in $\mu g/m^3$ Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

	Date									Date	SANJAY PLACE							
	Today:	A	EIGHTED AVERAGE DATA) Meteorological Parameters						Today:	(ARITHMETIC MEAN DATA) AQI Meteorological Parameters								
	Jan 13 -12 Yesterday: Jan 12 - 11	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	Jan 13 -12 Yesterday: Jan 12 - 11	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	Today Yesterday	162 161	100 106	83 79	1.4 1.9	WNW	12 14	51 54	0	Today	137	100	80	1.1	WSW	8	93	0
3 / 34	Today Yesterday	166 166	100 100	87 82	1.4	WNW	12 13	65 70	0	-								
Science Faculty	Today Yesterday	158 162	76 98	90 85	3.1	NE ESE	11 13	51 54	0	Yesterday	134	94	76	2.5	WNW	9.2	96	0

Views of AQI Research Group: At Dayalbagh, the PM2.5 AQI as well as PM10.0 AQI have improved over yesterday. At Sanjay Place there has been minor deterioration.

Remarks of Revered Chairman-ACE: Change in Wind Direction and minor increase of Wind Speed at Science Faculty provide explanation to the improvement in AQI there.



Good -G

Moderate- M

Unhealthy for Sensitive Groups- US

Unhealthy for All-UH

Very Unhealthy for All-VUH

Hazardous for All- HZ

Hazardous for All-HZ

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 -

$$I = \frac{I_{\text{high}} - I_{\text{low}}}{C_{\text{high}} - C_{\text{low}}} * (C - C_{\text{low}}) + I_{\text{low}}$$

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