Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 3.2.2022 (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	DAYALBAGH										SANJAY PLACE								
	Today:	A	(TIME	E WEIGHTED AVERAGE DATA) Meteorological Parameters						Today:	AQI			ITHMETIC MEAN DATA) Meteorological Parameters						
	Feb 3 –2 Yesterday	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR	RF	Feb 3 –2 Yesterday	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR	RF
	Feb 2 - 1						Max	Min	W/m ² mn	mm	Feb 2 - 1			70	III/S		Max	Min	W/m ² mi	mm
4 / 97	Today	162	109	75	3.6	SE	24.9	11.9	51	0										
	Yesterday	171	129	81	2.4	WNW	23.3	10.4	42	0	Today	164	141	69	3.0	SE	23.9	11.1	106	0
3 / 34	Today	167	154	76	3.6	SE	22.4	11.9	77	0										
	Yesterday	166	116	85	2.3	WNW	20.7	10.3	68	0										
Science	Today	160	150	78	1.8	ŚW 🧷	23.4	11.8	58	0	Yesterday	167	149	76	1.6	SSE	20.7	9.5	95	0
Faculty	Yesterday	188	137	88	1.5	WNW	20.4	9.7	51	0		<u> </u>	<u> </u>							

Views of AQI Research Group: At Dayalbagh, changed Wind Direction, increased Temperature, reduced Relative Humidity and higher Wind Speed caused the drop in PM2.5 AQI. Similar effect was observed in Sanjay Place.

Remarks of Revered Chairman-ACE: Why is the Wind Direction different at Science Faculty today in relative comparison to residential areas.

Received: Thursday, 3 February 2022, 11:28 AM



Thursday, 3 February 2022,

Good -G

Moderate- M

Unhealthy for Sensitive Groups- US

Unhealthy for All-

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

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

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