Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 8.3.2022 (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									Date	SANJAY PLACE								
	Today:		(TIME	RAGE	DAT	'A)		Tedeu	(ARITHMETIC MEAN DATA)											
		A	QI	Meteorological Parameters						Today:	AQI			Meteorological Parameters						
	March 8 - 7 Yesterday	PM2.5	PM10	RH %	WS m/s	WD	°C		SR	RF	March 8 - 7 Yesterday	PM2.5	PM ₁₀	RH	WS	WD	°C		SR	RF
							Max	Min	W/m ²	mm				%0	m/s		Max	Min	W/m ² n	mm
4 / 97	Today	152	85	60	1.7	NNE	31.9	16.0	89	0	Today	165	115	51	1.1	ESE	32.3	17.7	143	0
	Yesterday	142	75	57	2.2	NE	29.9	17.2	93	0										
3 / 34 Science Faculty	Today	153	68	63	1.7	NNE	31.9	15.9	102	0										
	Yesterday	149	61	60	2.3	NE	29.9	16.5	104	0	0	163	104	52	1.1	ENE		17.0	133	0
	Today	154	70	64	1.7	NNE	31.6	15.4	102	0	Yesterday						30.1			
	Yesterday	144	63	62	2.2	NE	29.6	16.3	99	0)									

Views of AQI Research Group: The AQI at all locations deteriorated marginally, however AQI at Dayalbagh remained better than that at Sanjay Place. Pollutant concentrations have increased at all the four locations perhaps due to change in Wind Direction. At Dayalbagh the additional factors aiding increase in pollution concentration have been reduced Wind Speed and increased Relative Humidity.

Remarks of Revered Chairman-ACE: The best record among the three locations in Dayalbagh is that of Prem Nagar. Which has registered least increase in the Sub-Atomic particles, both PM2.5 and PM10.0 apparently due to completion / reduction of construction activity in the neighbourhood.



Received: Tuesday, 8 March 2022, 11:08 AM

Tuesday, 8 March 2022, 3:30 PM

Good -G

Unhealthy for Sensitive Groups- US

Unhealthy for All-



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.

Moderate- M

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