Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 17.3.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Pei	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 to 9:00 AM)							
	Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)											AVAS VIKAS (SIKANDRA) (ARITHMETIC MEAN DATA)									
	Today: March 17 - 16 Yesterday March 16 - 15	А	Meteorological Parameters						Today:		AQI	Meteorological Parameters										
		PM2.5	PM ₁₀	RH %	WS m/s	WD	T °C		SR	RF	March 17 - 16 Yesterday March	PM2.5	PM10	RH	WS	WD	T °C		SR	RF		
							Max	Min	W/m ²	mm	16 - 15	1 1912.5	1 19110	%	m/s		Max	Min	W/m ²	mm		
4 / 97	Today	134	85	56	3.8	SE	38.1	22.6	123	0												
	Yesterday	159	112	59	2.8	SSE	38.3	22.0	110	0	Today	154	96	49	0.8	NNE	38.8	22.2	166	0		
3 / 34	Today	152	73	58	3.8	SE	37.1	23.2	114	0												
	Yesterday	144	98	62	2.8	SSE	36.7	22.3	114	0												
Science	Today	155	71	60	3.8	SE	36.1	22.6	127	0	Yesterday	165	109	54	0.6	NNE	40.0	21.1	160	0		
Faculty	Yesterday	139	99	65	2.8	SSE	36.2	21.7	120	0												

Views of AQI Research Group: Data from Sanjay Place monitor was not available for full day hence today the Dayalbagh AQI is being compared with the UPPCB Avas Vikas (AV) monitor data. The AQI at Dayalbagh is better compared to AQI at AV. At Dayalbagh, the PM10.0 AQI reduced in comparison to yesterday perhaps due to reduced Relative Humidity and increased wind Speed. However, except for Vidyut Nagar the PM2.5 AQI increased probably due to increased vehicular traffic on account of arrivals for Holi Celebrations.

Remarks of Revered Chairman-ACE:

Good -G Moderate- M

Unhealthy for Sensitive Groups- US

Unhealthy for All-UH



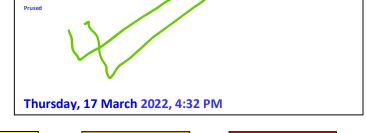
Hazardous for All-HZ

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 –

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 $\leq C$, Chigh=Concentration Breakpoint $\geq C$, Ilow=Index Break point corresponding to Clow, I high=Index Breakpoint corresponding to Chigh



Received: Thursday, 17 March 2022, 12:32 PM

Hazardous for All- HZ