Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 1.2.2022 (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			D	AYAI	BAG	H				Date	SANJAY PLACE								
	Today:	(TIME WEIGHTED AVERAGE DATA)										(ARITHMETIC MEAN DATA)								
		A	QI	Meteorological Parameters							Today:	AQI Meteorological Parameters								
	Feb 1 –Jan	an Ay PM2.5	PM ₁₀	RH %	WS m/s	WD]	Г		RF	Feb 1 –Jan		PM10	RH %	WS m/s]	ſ		
	31 Yesterday						°C		SR		31	PM2.5				WD	°C		SR	RF
											Yesterday									
	Jan 31 - 30						Max	Min	W/m ²	mm	Jan 31 - 30						Max	Min	W/m ²	mm
4 / 97	Today	162	104	81	1.2	S	21.8	9.4	45	0	Today	166	147	76	1.2	ESE	22.9	7.8	96	0
	Yesterday	149	98	63	2.4	WSW	28.0	10.3	56	0										
3/34 Science Faculty	Today	171	111	84	1.2	S	21.4	9.0	68	0										
	Yesterday	153	104	71	2.4	WSW	25.0	10.2	95	0		164	140	61	1.6	NW		10.3	115	0
	Today	215	131	85	1.7	W	21.9	8.7	53	0	Yesterday						25.4			
	Yesterday	149	82	71	1.6	WNW	24.4	9.7	60	0										

Views of AQI Research Group: At Dayalbagh, AQI for both Particulate Pollutants has increased on account of change in Wind Direction, drop in Temperature, higher Relative Humidity (RH) and reduced Wind Speed. Same is true for Sanjay Place. Of all locations, least AQI was recorded at Vidyut Nagar. Higher RH vis-à-vis Sanjay Place is the cause for higher AQI at Prem Nagar and Science Faculty.

Remarks of Revered Chairman-ACE: Impact of four possible combinations of Wind Direction on AQI should be researched at multiple levels at DEI. And practiced by Radhasoami Satsang Sabha whose followers cover the entire spectrum from the last, the least, the lowest, and the lost.

Tuesday, 1 February 2022,

Received: Tuesday, 1 February 2022, 10:58 AM

Good -G

Moderate- M Unhealthy for Sensitive Groups- US

Unhealthy for All-



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 –

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

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