## Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 2.4.2022 (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 (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)									
	Today:  April 2- 1  Yesterday  April 1-	Air Qua	lity Index	Meteorological Parameters							Today:	AQI		(AKII.	Meteorological Parameters						
		PM <sub>2.5</sub>	PM <sub>10</sub>	RH	ws	WD	T °C			RF	April 1-	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR	RF	
March 31			%	m/s		Max	Min	mm		Max							Min	W/m <sup>2</sup> m	mm		
4 / 97	Today	93	79	30	2.5	SE	40.2	23.7	133	0	Today	172	157	34	2.6	NNE	44.3	27.1	175	0	
	Yesterday	132	102	37	2.4	NW	43.5	24.6	147	0											
3/34 Science Faculty	Today	115	61	32	2.5	SE	38.7	22.7	128	0											
	Yesterday	152	79	39	2.6	NW	42.8	24.9	135	0	Yesterday	161	138	32	2.3	WSW		28.3	177	0	
	Today	119	65	34	2.5	SE	38.3	21.8	143	0							44.2				
	Yesterday	154	86	40	2.7	NW	43.0	24.5	142	0											

Views of AQI Research Group: The AQI at Dayalbagh remained better than that at Sanjay Place. In Dayalbagh, the Pollution levels have decreased at all locations probably due to reduced Relative Humidity and change in Wind Direction. On the contrary, the pollution levels have risen in Sanjay Place. The meaningful initiatives of periodic Misting of Water by DEI and scraping of air column using Organic Spray by SNC, seem to be helpful in managing the air quality at Dayalbagh.

Remarks of Revered Chairman-ACE:

Received: Saturday, 2 April 2022, 12:04 PM

Perused: Subject to Legalese / Legalise / "Laws of the Land"



Saturday, 2 April 2022, 4:44 PM

Good -G

Moderate- M

**Unhealthy for Sensitive Groups- UHS** 

Unhealthy for All- UHA

Very Unhealthy for All-VUHA

**Hazardous for All- HZA** 

Hazardous for All-HZA

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