## Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 28.4.2022 (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 Today:	DAYALBAGH     (TIME WEIGHTED AVERAGE DATA)     Air Quality Index   Meteorological Parameters									Date Today:	SANJAY PLACE   (ARITHMETIC MEAN DATA)   AQI Meteorological Parameters								
	April 28 – 27 <b>Yesterday</b>	PM2.5	PM <sub>10</sub>	RH %	WS m/s	WD	°C		SR	RF	April 28 – 27 Yesterday April 27 - 26	PM2.5	PM10	RH	ws	WD		Т °С		RF
	April 27 - 26						Max	Min	W/m <sup>2</sup>	V/m <sup>2</sup> mm	Αμπ 27 - 26			%	m/s		Max	Min	W/m <sup>2</sup> m	mm
4 / 97	Today	66	67	25	2.6	S	44.7	29.5	159	0	Today	163	151	27	2.4	SW	45.8	32.3	198	0
	Yesterday	61	74	28	2.0	SE	44.5	29.1	146	0										
3 / 34 Science Faculty	Today	82	50	29	2.6	S	43.5	28.5	156	0	1									
	Yesterday	74	52	30	2.0	SE	43.0	28.7	149	0	0		152	28	2.0	SE		32.3	197	0
	Today	91	54	28	2.6	S	43.4	27.5	156	0	Yesterday	154					46.0			
	Yesterday	74	55	31	2.0	SE	43.1	27.9	154	0	0									

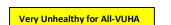
Views of AQI Research Group: The PM<sub>2.5</sub> concentration levels marginally increased across Dayalbagh and Sanjay Place perhaps due to change in Wind Direction at both locations. The PM10.0 concentration levels reduced across perhaps owing to higher Wind Speed, lower Relative Humidity. AQI at Dayalbagh remained in the *Moderate* Category with Prem Nagar PM<sub>10.0</sub> being in the *Good Category*. AQI at Sanjay Place remained in the *Unhealthy for All* Category w.r.t both the micron Particulate Pollutants.

## Remarks of Revered Chairman-ACE:

Good -G

Moderate- M Unhealthy for Sensitive Groups- UHS

Unhealthy for All- UHA



Hazardous for All- HZA Hazardous for All-HZA

Received: Thursday, 28 April 2022, 11:03 AM

Thursday, 28 April 2022, 4:34 PM

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

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