Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 4.5.2022
(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 µg/m³ | Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

Date		DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date		SANJAY PLACE (ARITHMETIC MEAN DATA)								
Today: May 4 – 3 Yesterday May 3 – 2		Air Quality Index		Meteorological Parameters							Today: May 4 – 3 Yesterday May 3 – 2		Air Quality Index		Meteorological Parameters						
		PM$_{2.5}$	PM$_{10}$	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m²	RF mm			PM$_{2.5}$	PM$_{10}$	RH %	WS m/s	WD	T °C Max	T °C Min	SR W/m²	RF mm
4 / 97	Today	82	80	50	3.6	W	41.1	30.5	131	0	Today		164	196	45	2.7	NNE	42.4	32.4	157	0
	Yesterday	70	61	47	2.9	NNW	43.4	29.6	161	0											
3 / 34	Today	110	60	52	3.7	W	40.1	30.4	122	0											
	Yesterday	84	44	48	2.9	NNW	43.1	29.4	164	0	Yesterday		155	153	43	3.0	NNE	45.4	31.2	194	0
Science Faculty	Today	107	60	52	3.7	W	40.1	30.3	125	0											
	Yesterday	89	46	48	2.9	NNW	43.0	29.1	162	0											

Views of AQI Research Group: Across all locations, the AQI for both the micron Particulate Pollutants has increased compared to yesterday probably due to change in Wind Direction, increase in Relative Humidity and decrease in Maximum Temperature. The Air Quality at Sanjay Place has remained in the *Unhealthy for All* w.r.t PM$_{2.5}$ as well as PM$_{10.0}$.

Remarks of Revered Chairman-ACE:

Received: Wednesday, 4 May 2022, 10:45 AM
Perused: Subject to Legalise / Legalise / "Laws of the Land"

Wednesday, 4 May 2022, 3:35 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.
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