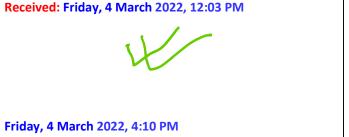
Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 4.3.2022 (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:	AQI		Meteorological Parameters							Today:	AQI		Meteorological Parameters						
	March 4 - 3 Yesterday March 3 - 2	DM	PM ₁₀	RH %	WS m/s	WD	°C		SR	RF	March 4 - 3 Yesterday March 3 - 2	PM2.5	PM10	RH %	WS	WD	°C		SR	RF
							Max	Min	W/m ²	m ² mm				70	m/s		Max	Min	W/m ²	mm
4 / 97	Today	157	87	59	1.8	ESE	30.1	16.5	99	0	Today	166	110	53	2.0	s	30.8	17.1	134	0
	Yesterday	160	96	59	2.1	NE	31.7	15.7	106	0										
3/34 Science Faculty	Today	158	74	62	1.8	ESE	29.9	16.3	98	0										
	Yesterday	164	82	62	2.1	NE	29.4	15.8	107	0			118	53	1.4	N		16.6	146	0
	Today	156	74	63	1.8	ESE	31.0	15.7	90	0	Yesterday	171					30.0			
	Yesterday	162	82	65	2.1	NE	29.7	15.5	102	0										

Views of AQI Research Group: The AQI at Dayalbagh remained better than that at Sanjay Place. Across the four locations, the pollution levels reduced marginally compared to yesterday, perhaps due to the change in Wind Direction and increased Temperature (causing expansion of the Atmospheric Boundary Layer {ABL} causing reduction in concentration of Pollutants).



Good -G Moderate- M

Unhealthy for Sensitive Groups- US

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