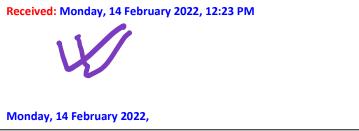
Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 14.2.2022 (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 Today: Feb 14 - 13 Yesterday Feb 13 - 12	DAYALBAGI (TIME WEIGHTED AVER AQI Meteorologi									Date Today:	SANJAY PLACE (ARITHMETIC MEAN DATA) AQI Meteorological Parameters								
		PM2.5	PM ₁₀	RH %	WS m/s	WD	T °C		SR	RF	Feb 14 – 13 Yesterday	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR	RF
							Max	Min	W/m ²	mm	Feb 13 - 12			/0	111/5		Max	Min	W/m ²	mm
4 / 97	Today	156	92	59	1.6	SSE	28.8	13.3	86	0	Today	149	119	54	0.8	SE	26	12.4	133	0
	Yesterday	153	84	61	1.7	S	28.0	10.8	82	0										
3 / 34	Today	149	89	62	1.6	SSE	26.8	12.6	99	0										
	Yesterday	157	86	68	1.7	S	24.6	10.3	102	0										
Science	Today	164	85	63	1.7	SSE	26.7	12.2	75	0	Yesterday	153	142	57	1.5	E	24.6	11.5	135	0
Faculty	Yesterday	154	74	70	1.7	S	24.2	10.0	74	0										

Views of AQI Research Group: Prem Nagar recorded the best AQI across the four locations. Overall, the AQI at Dayalbagh remained better than that at Sanjay Place. Change in Wind Direction at Dayalbagh and Sanjay Place seem to be the primary cause of change respectively.



Remarks of Revered Chairman-ACE:

Unhealthy for All-



Hazardous for All- HZ

Hazardous for All-HZ

NOTE: 1 A continuous study conducted as part of Dayalbagh Sigma Six Qualities and Values Model implementation.

Moderate- M

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,

Unhealthy for Sensitive Groups- US

their PM_{2.5} concentration readings are fed in USEPA online calculator for AQI calculation

3 Formula for AQI calculation for a Pollutant –

Good -G

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

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