Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 15.3.2022
(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 µg/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)								
		AQI		Meteorological Parameters								AQI		Meteorological Parameters						
Today: March 15 - 14 Yesterday March 14 - 13		PM$_{2.5}$	PM$_{10}$	RH %	WS m/s	WD	T °C		SR W/m^2	RF mm	Today: March 15 - 14 Yesterday March 14 - 13	PM$_{2.5}$	PM$_{10}$	RH %	WS m/s	WD	T °C		SR W/m^2	RF mm
							Max	Min									Max	Min		
4 / 97	Today	157	98	57	2.4	SE	37.1	21.3	127	0	Today	179	145	50	1.5	S	36.9	23.3	154	0
	Yesterday	144	97	52	2.1	SE	36.2	20.2	129	0										
3 / 34	Today	166	85	60	2.4	SE	35.5	21,4	113	0										
	Yesterday	154	73	55	2.2	SE	34.8	20.2	113	0	Yesterday	170	140	46	1.4	NE	36.1	22.1	154	0
Science Faculty	Today	164	86	62	2.5	SE	34.8	20.9	122	0										
	Yesterday	156	77	57	2.1	SE	34.2	19.9	118	0										

Views of AQI Research Group: The AQI at Dayalbagh remained better than that at Sanjay Place. Air Quality has marginally deteriorated at all sites compared to yesterday probably influenced by increase in Relative Humidity and other associated factors

Remarks of Revered Chairman-ACE: No clear indication of higher increase in Vidyut Nagar.

Received: Tuesday, 15 March 2022, 12:14 PM

Perused :

Tuesday, 15 March 2022, 5:30 PM

Good -G	Moderate- M	Unhealthy for Sensitive Groups- UHS

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