

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 14.3.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) : PM₁₀ = 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)								
		AQI		Meteorological Parameters								AQI		Meteorological Parameters						
		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm
Max	Min						Max	Min												
	Today:																			
	March 14 - 13 Yesterday																			
	March 13 - 12																			
4 / 97	Today	144	97	52	2.1	SE	36.2	20.2	129	0	Today	170	140	46	1.4	NE	36.1	22.1	154	0
	Yesterday	107	72	51	2.3	SE	34.0	19.1	119	0										
3 / 34	Today	154	73	55	2.2	SE	34.8	20.2	113	0										
	Yesterday	129	60	55	2.3	SE	32.1	18.3	114	0										
Science Faculty	Today	156	77	57	2.1	SE	34.2	19.9	118	0	Yesterday	156	110	45	2.3	NNE	33.3	20.2	165	0
	Yesterday	129	61	58	2.3	SE	31.6	17.8	124	0										

Views of AQI Research Group: Air Quality has marginally deteriorated at all sites probably influenced by decrease in Wind Speed, however at Dayalbagh the AQI remained better than Sanjay Place for both the Particulate Pollutants.

Remarks of Revered Chairman-ACE: Increased Solar Radiation at Vidyut Nagar should be investigated at all levels including at International Level (ICA) by being referred to all concerned Dr Apurva Narain, PB Nova Bhojwani, DRSNAA President - PB K B Mehta, AFFDEIS President - PB R K Sharma.

Received: Monday, 14 March 2022, 12:27 PM

Perused:

Monday, 14 March 2022, 5:40 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 (PM_{2.5}), C_{low}=Concentration Breakpoint ≤C, C_{high}=Concentration Breakpoint ≥C, I_{low}=Index Break point corresponding to C_{low}, I_{high}=Index Breakpoint corresponding to C_{high}