

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Dated: 18.2.2022 (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)									
	Today:	AQI		Meteorological Parameters							Today:	AQI		Meteorological Parameters							
	Feb 18 – 17	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T		SR W/m ²	RF mm	Feb 18 – 17	PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T		SR W/m ²	RF mm	
	Yesterday						°C	°C			Feb 17 – 16						Max	Min			Max
Feb 17 - 16																					
4 / 97	Today	152	81	57	1.6	E	30.8	12.5	100	0	Today	127	119	50	1.3	NNE	28.2	13.5	132	0	
	Yesterday	122	69	62	1.6	ENE	30.7	13.3	97	0											
3 / 34	Today	158	73	60	1.6	E	28.2	12.7	100	0	Yesterday	117	122	56	1.5	ENE	28	13.4	133	0	
	Yesterday	154	70	65	1.6	ENE	27.7	13.1	101	0											
Science Faculty	Today	157	78	62	1.6	E	27.0	12.0	76	0	Yesterday										
	Yesterday	153	66	68	1.6	ENE	27.1	12.4	77	0											

Views of AQI Research Group: The PM_{10.0} AQI at Dayalbagh remained in the 'MODERATE' Category and at Sanjay Place it was in the 'UNHEALTHY FOR SENSITIVE GROUPS' category. The PM 2.5 AQI increased at all four locations. Change in Wind Direction & increased vehicular traffic in the city of Agra due to opening up of schools and colleges, seem to have caused the Particulate Matters of AQI to rise.

Remarks of Revered Chairman-ACE:

Received: Friday, 18 February 2022, 12:45 PM



Friday, 18 February 2022,

Good- G

Moderate- M

Unhealthy for Sensitive Groups- US

Unhealthy for All-

Very Unhealthy for All-VUH

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.

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}