

Radhasoami Dayal Ki Daya Radhasoami Sahai

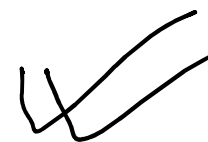
AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 10.2.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

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)								
	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: Feb 10 – 9											Today: Feb 10 – 9									
Yesterday Feb 9 - 8											Yesterday Feb 9 - 8									
4 / 97	Today	147	85	91	3.1	E	17.8	9.8	29	3.0	Today	87	64	86	1.5	ENE	17.7	13.3	43	4.7
	Yesterday	152	83	72	2.3	E	29.0	15.2	76	5										
3 / 34	Today	124	66	93	3.1	E	17.7	9.3	32	3.0	Yesterday	129	110	67	1.7	SE	28.1	14.4	102	5.5
	Yesterday	158	82	74	2.3	E	29.0	15.0	81	5										
Science Faculty	Today	147	68	95	3.1	E	17.9	8.9	29	3.0										
	Yesterday	161	80	75	2.7	E	28.7	15.0	60	5										

Views of AQI Research Group: The scavenging effect of Rainfall continued to improve the AQI of both Particulate Pollutants across the four locations. Analysis of the data log shows that the pollutant concentrations values at Dayalbagh were lower during the noon, evening and late night but increased after midnight during the fog conditions.

Received: Thursday, 10 February 2022, 12:05 PM



Thursday, 10 February 2022,

Remarks of Revered Chairman-ACE:

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}