

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING REPORT – Dated: 9.04.2021

Permissible Limits: PM₁₀ = 100; PM_{2.5} = 60, all units are in µg/m³

Sampling Site and Height	Duration of Sampling	DAYALBAGH				SANJAY PLACE @ 40 feet (Arithmetic Mean)				AIR QUALITY INDEX (AQI) ON THE BASIS OF PM _{2.5} CONCENTRATION			
		PM ₁₀ [µg/m ³]		PM _{2.5} [µg/m ³]		PM ₁₀ [µg/m ³] Calculated on the basis of PM ₁₀ /PM _{2.5} ratio at Dayalbagh		PM _{2.5} [µg/m ³] @ 40 feet		DAYALBAGH		SANJAY PLACE @ 40 feet	
		Today 9.04.2021	Yesterday 8.04.2021	Today 9.04.2021	Yesterday 8.04.2021	Today 9.04.2021	Yesterday 8.04.2021	Today 9.04.2021	Yesterday 8.04.2021	Today 9.04.2021	Yesterday 8.04.2021	Today 9.04.2021	Yesterday 8.04.2021
4/97 @ 20 feet	7:15 – 8:15 AM	197↓	186	103↑	114	NA	NA	NA	NA	176 MODERATE	181 MODERATE	NA	NA
3/34 @ 40 feet	8:30 – 9: 30AM	203↑	260	85↑	104	NA	NA	NA	NA	166 MODERATE	176 MODERATE	NA	NA
Science Faculty @ 20 feet	10:00 – 11:00AM	180↑	214	+64↑	72	NA	NA	NA	NA	155 MODERATE	160 MODERATE	NA	NA
Dairy @ 6 feet	12:15 – 1:15 PM	+116↑↑	204	+29↑↑	47	NA	NA	NA	NA	87 SATISFACTORY	129 MODERATE	NA	NA
Control Room @ 6 feet	1:30 – 2:30 PM	+112↑	167	+27↑↑	43	NA	NA	NA	NA	82 SATISFACTORY	119 MODERATE	NA	NA

Sampling was performed on 9.04.2021. Data for Sanjay Place is not available today also.

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}

4 ↑ Denotes improvement in quality (↓ Inverse)

↑↑ Denotes significant improvement in quality (↓↓ Inverse)

✓ Denotes Dayalbagh readings are better than or equivalent to Sanjay Place

+Denotes values are near or within permissible limits

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AIR QUALITY MONITORING REPORT – Dated: 9.04.2021

Location : Sikandarpur
 Time : 3: 45 – 4:45 PM
 Wind Speed : 3.4 km/h

Permissible Limits: PM₁₀ = 100; PM_{2.5} = 60, all units are in µg/m³

Data Type	PM ₁₀ [µg/m ³]	PM _{2.5} [µg/m ³]	AIR QUALITY INDEX (AQI) ON THE BASIS OF PM _{2.5} CONCENTRATION
Field Data (TWA) @6feet	336	+ 60	153 – MODERATE
Sanjay Place @ 40feet	NA	NA	NA

Sampling was performed on 8.04.2021. Data for Sanjay Place is not available.



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