

Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING REPORT – Dated: 7.04.2021

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 7.04.2021	Yesterday 6.04.2021	Today 7.04.2021	Yesterday 6.04.2021	Today 7.04.2021	Yesterday 6.04.2021	Today 7.04.2021	Yesterday 6.04.2021	Today 7.04.2021	Yesterday 6.04.2021	Today 7.04.2021	Yesterday 6.04.2021
4/97 @ 20 feet	7:15 – 8:15 AM	462↓↓	195	105↑	111	NA	221	NA	126	177 MODERATE	180 MODERATE	NA	187 MODERATE
3/34 @ 40 feet	8:30 – 9: 30AM	407↓↓	363	116↓	91	NA	274	NA	156	182 MODERATE	169 MODERATE	NA	206 POOR
Science Faculty @ 20 feet	10:00 – 11:00AM	476↓↓	178	113↓	92	NA	273	NA	141	181 MODERATE	170 MODERATE	NA	195 MODERATE
Dairy @ 6 feet	12:00 – 1:00 PM	453↓↓	176	98↓↓	65	NA	314	NA	116	173 MODERATE	156 MODERATE	NA	182 MODERATE
Control Room @ 6 feet	1:15 – 2:15 PM	198↓	164	84↓↓	45	NA	338	NA	93	166 MODERATE	124 MODERATE	NA	170 MODERATE

Sampling was performed on 7.04.2021. For Sanjay Place data was not available since morning 5:am today.

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: 7.04.2021

Location : Kuan No.4
 Time : 4: 15 – 5:15 PM
 Wind Speed : 10.4 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	✓156	✓+ 44	95 – SATISFACTORY
Sanjay Place @ 40feet	228	84	166 – MODERATE

Sampling was performed on 6.04.2021



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