Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING REPORT – Dated: 4.04.2021

Permissible Limits: PM_{10} = 100; $PM_{2.5}$ = 60, all units are in µg/m^3

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 4.04.2021	Yesterday 3.04.2021	Today 4.04.2021	Yesterday 3.04.2021	Today 4.04.2021	Yesterday 3.04.2021	Today 4.04.2021	Yesterday 3.04.2021	Today 4.04.2021	Yesterday 3.04.2021	Today 4.04.2021	Yesterday 3.04.2021
4/97 @ 20 feet	7:15 – 8:15AM	✓179↑	206	✓118↓	103	185↑	196	122↓	98	183 MODERATE	176 MODERATE	185 MODERATE	173 MODERATE
3/34 @ 40 feet	8:30 – 9: 30AM	✓263↓↓	183	✓87↓	66	352↓↓	236	171↓↓	85	167 MODERATE	156 MODERATE	221 POOR	166 MODERATE
Science Faculty @ 20 feet	10:00 – 11:00AM	✓176↓↓	95	✓73↓↓	24	308↓↓	166	128↓↓	42	160 MODERATE	76 SATISFACTORY	188 MODERATE	117 MODERATE
Dairy @ 6 feet	12:15 – 1:15 PM	✓141↓↓	88	✓+41↓↓	18	213↓↓	137	+62↓↓	28	115 MODERATE	63 SATISFACTORY	154 MODERATE	84 SATISFACTORY
Control Room @ 6 feet	1:30 – 2:30 PM	✓126↓↓	68	✓+33↓↓	15	202↓↓	95	+53↓↓	21	95 SATISFACTORY	57 SATISFACTORY	144 MODERATE	70 SATISFACTORY

Sampling was performed on 4.04.2021

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

Radhasoami Dayal Ki Daya Radhasoami Sahai

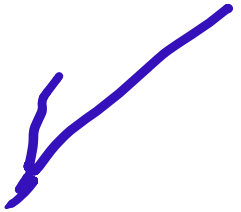
AIR QUALITY MONITORING REPORT – Dated: 4.04.2021

Location : Etmaali
Time : 4: 45 – 5:45 PM
Wind Speed : 1.1 km/h

Permissible Limits: PM_{10} = 100; $PM_{2.5}$ = 60, all units are in µg/m^3

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	**243**	**+ 37**	**105 – MODERATE**
Sanjay Place @ 40feet	**164**	**+ 25**	**78 – SATISFACTORY**

Sampling was performed on 3.04.2021



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