Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING REPORT – Dated: 5.04.2021

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 5.04.2021	Yesterday 4.04.2021	Today 5.04.2021	Yesterday 4.04.2021	Today 5.04.2021	Yesterday 4.04.2021	Today 5.04.2021	Yesterday 4.04.2021	Today 5.04.2021	Yesterday 4.04.2021	Today 5.04.2021	Yesterday 4.04.2021
4/97 @ 20 feet	7:15 – 8:15 AM	✓396↓↓	179	✓95↑	118	519↓↓	185	181↓	122	171 MODERATE	183 MODERATE	231 POOR	185 MODERATE
3/34 @ 40 feet	8:30 – 9: 30AM	✓176↓	263	✓98↓	87	332↑	352	185↓	171	173 MODERATE	167 MODERATE	235 POOR	221 POOR
Science Faculty @ 20 feet	10:00 – 11:00AM	✓210↓	176	✓+62↑	73	335↓	308	99↑	128	154 MODERATE	160 MODERATE	173 MODERATE	188 MODERATE
Dairy @ 6 feet	12:15 – 1:15 PM	✓138↑	141	✓+30↑	41	317↓	213	+69↓	62	89 SATISFACTORY	115 MODERATE	158 MODERATE	154 MODERATE
Control Room @ 6 feet	1:30 – 2:30 PM	✓+112↑	126	✓+25↑	33	233↓	202	+52	53	78 SATISFACTORY	95 SATISFACTORY	142 MODERATE	144 MODERATE

Sampling was performed on 5.04.2021

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: 5.04.2021

Location : Tannery
Time : 4: 00 – 5:00 PM
Wind Speed : 3.8 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	**✓126**	**✓+ 38**	**107 – MODERATE**
Sanjay Place @ 40feet	**164**	**+ 46**	**127 – MODERATE**

Sampling was performed on 4.04.2021

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RADHASOAMI DAYAL KI DAYA RADHASOAMI SAHAI

WATER QUALITY MONITORING REPORT
Most Probable Number (MPN) of Bacteria in Dayalbagh Wells

Date of Reporting : 05-Apr-2021 Date of Sampling : 31-Mar-2021

Permissible limit for MPN is <10 and for pH is 6.5 to 8.5

S.No.	Name of Well	MPN Of Bacteria in Sample (Per ml)		Is MPN Below Permissible Limit of 10	$KMnO_4$ Colour		pH	Remarks and Instructions
		Current Value	Previous Value		Current	Previous		
1	Gangavas	7.4	7.4	Yes	Light Pink	Light Pink	6.9	
2	Dayal Nagar	6.1	7.2	Yes	"	"	6.9	
3	Prem Nagar	6.1	3.6	Yes	"	"	7.0	
4	Dunn Tubewell	6.2	7.4	Yes	"	"	7.3	
5	Punjabi Farm	7.4	7.2	Yes	"	"	7.2	
6	Dairy West	3.6	6.2	Yes	"	"	7.2	
7	Pavan Kuan	3.0	7.4	Yes	"	"	6.9	
8	DEI Dairy	7.2	7.4	Yes	"	"	7.3	
9	Ganga Jal	7.4	7.2	Yes	"	"	7.5	
10	Gaushala	7.4	6.2	Yes	"	"	7.5	

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Note : A continuous study conducted as part of Dayalbagh Sigma Six Qualities, Values and Attributes Model

NOTE: 1 A continuous study conducted as part of **Dayalbagh Sigma Six Qualities and Values Model** implementation.
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