

TEST REPORT

Report Reference Number: ECTTR2408003

Issue Date: 14/08/2024

Issued To: M/S St. Joseph's College of Education for Women, Women's College Road, Naaz Center Rd, Sambasiva Pet, Guntur, Andhra Pradesh 522001	Lr. Reference No. & Date	--
	Sample Receipt Date	12/08/2024
	Analysis Starting Date	12/0/2024
	Analysis Completion Date	14/08/2024
Sample Details: Ambient Air Quality 1. NEAR MAIN GATE	Sample condition on Receipt	Good
	Atmospheric condition	Clear Sky
	Ambient Temperature	34.0°C
Tests Requested: Particulate Matter (PM₁₀, PM_{2.5}), Sulphur Dioxide & Oxides of Nitrogen		

TEST RESULTS

S. No.	Parameter	UOM	Test Method	NAAQ Limits	Result
1	Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 Pt 23: 2006 RA 2022	100	44.8
2	Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 Pt 24: 2019	60	24.9
3	Sulphur Dioxide (SO ₂)	µg/m ³	IS 5182 Pt 2: 2001 RA 2022	80	7.4
4	Oxides of Nitrogen (NO ₂)	µg/m ³	IS 5182 Pt 6: 2006 RA 2022	80	16.5

UOM: Unit of Measurement



P. Narasimha Rao
Authorized Signatory

* End of the Report *

Services Offered: ETP & STP designs & constructions, Environmental Monitoring, Analytical Services & Environmental Consulting.

Address: D.No – 91-7-373, 6th Lane, NGOS Colony, Venugopal Nagar, Guntur.

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TEST REPORT

Report Reference Number: ECTTR2408001

Issue Date: 14/08/2024

Issued To: M/S St. Joseph's College of Education for Women, Women's College Road, Naaz Center Rd, Sambasiva Pet, Guntur, Andhra Pradesh 522001	Lr. Reference No. & Date	--
	Sample Receipt Date	12/08/2024
	Analysis Starting Date	12/08/2024
	Analysis Completion Date	14/08/2024
Sample Details: R.O Permeate Drinking Water	Quantity Received	2 L x 1 No. in plastic can
	Sample condition on Receipt	Good
	Source / Location	--
Tests Requested: As mentioned below		

TEST RESULTS

S. No.	Parameter	Test Method	UOM	Result	Specification
1	pH	APHA 23RD Edition 4500 H+B:2017	--	5.95	6.50-9.0
2	Electrical Conductivity	APHA 23RD Edition 2510 -B:2017	µS/cm	44.5	-
3	Total Dissolved Solids	APHA 23RD Edition 2540 C:2017	mg/l	26	500
4	Total Alkalinity	APHA 23RD Edition 2320- B:2017	mg/l	6.0	200
5	Total Hardness	APHA 23RD Edition 2340-C:2017	mg/l	4	200
6	Calcium (Ca ²⁺)	APHA 23RD Edition 3500- Ca B:2017	mg/l	0.96	75
7	Magnesium (Mg ²⁺)	APHA 23RD Edition 3500-Mg B:2017	mg/l	0.38	30
8	Chlorides(Cl ⁻)	APHA 23RD Edition 4500- C B:2017	mg/l	4.88	250
9	Sulphates(So ₄ ²⁻)	APHA 23RD Edition 4500 -So ₄ E:2017	mg/l	2.2	200
10	Phosphates as P (Po ₄ ³⁻ -P)	APHA 23RD Edition 4500 -P D:2017	mg/l	BDL(<0.05)	--
11	Nitrates as No ₃ ⁻	APHA 23RD Edition 4500 NO ₃ - B:2017	mg/l	BDL(<0.1)	45
12	Fluorides(F ⁻)	APHA 23RD Edition 4500 F&D:2017	mg/l	BDL(<0.1)	1.0

UOM: Unit of Measurement; BDL: Below Detection Limit



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TEST REPORT

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Issue Date: 14/08/2024

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	Sample Receipt Date	12/08/2024
	Analysis Starting Date	Not Applicable
	Analysis Completion Date	Not Applicable
Sample Details: Ambient Noise Level Monitoring	Quantity Received	Not Applicable
	Sample condition on Receipt	Not Applicable
	Source / Location	Near Main Gate
Tests Requested: Ambient Noise Level		

TEST RESULTS

S. No.	PERIOD OF SAMPLING	UOM	Test Method	Result
1	DAY TIME	dB(A)	IS 9989 : 1981 RA 2020	58.7
1	NIGHT TIME	dB(A)	IS 9989 : 1981 RA 2020	44.3

Test Method:

Noise Level Standards

Area Code	Category of Area	UOM	Limits – Day Time	Limits – Night Time
			[06:00 Hrs to 22:00 Hrs]	[22:00 Hrs to 06:00 Hrs]
A	Industrial Area	dB(A)	< 75	< 70
B	Commercial Area	dB(A)	< 65	< 55
C	Residential Area	dB(A)	< 55	< 45
D	Silence Zone	dB(A)	< 50	< 40

UOM: Unit of Measurement



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TEST REPORT

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Issued To: M/S St. Joseph's College of Education for Women, Women's College Road, Naaz Center Rd, Sambasiva Pet, Guntur, Andhra Pradesh 522001	Lr. Reference No. & Date	--
	Sample Receipt Date	12/08/2024
	Analysis Starting Date	12/0/2024
	Analysis Completion Date	14/08/2024
Sample Details: Bore Water	Quantity Received	2 L x 1 No. in plastic can
	Sample condition on Receipt	Good
	Source / Location	--
Tests Requested: As mentioned below		

TEST RESULTS

S. No.	Parameter	Test Method	UOM	Result	Specification
1	pH	APHA 23RD Edition 4500 H+B:2017	--	8.87	-
2	Electrical Conductivity	APHA 23RD Edition 2510 -B:2017	µS/cm	1642	-
3	Total Dissolved Solids	APHA 23RD Edition 2540 C:2017	mg/l	985	-
4	Total Alkalinity	APHA 23RD Edition 2320- B:2017	mg/l	490	-
5	Total Hardness	APHA 23RD Edition 2340-C:2017	mg/l	398	-
6	Calcium (Ca ²⁺)	APHA 23RD Edition 3500- Ca B:2017	mg/l	80.8	-
7	Magnesium (Mg ²⁺)	APHA 23RD Edition 3500-Mg B:2017	mg/l	47.04	-
8	Chlorides(Cl ⁻)	APHA 23RD Edition 4500- C B:2017	mg/l	155.9	-
9	Sulphates(So ₄ ²⁻)	APHA 23RD Edition 4500 -So ₄ E:2017	mg/l	46.0	-
10	Phosphates as P (Po ₄ ³⁻ -P)	APHA 23RD Edition 4500 -P D:2017	mg/l	BDL	-
11	Nitrates as No ₃ ⁻	APHA 23RD Edition 4500 NO ₃ - B:2017	mg/l	BDL	-
12	Fluorides(F ⁻)	APHA 23RD Edition 4500 F&D:2017	mg/l	0.74	-

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