



**KSCSTE - CENTRE FOR WATER RESOURCES
DEVELOPMENT AND MANAGEMENT**
ജലവിഭവ വികസന വിനിയോഗ കേന്ദ്രം
(An ISO 9001 : 2015 Certified Organization)



An Institution of Kerala State Council for Science, Technology & Environment, Govt. of Kerala
കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിൽ സ്ഥാപനം, കേരള സർക്കാർ



CWRDM WATER QUALITY DIVISION-TESTING LABORATORY

TEST REPORT

No: CWRDM/WQD/WA/2465/2024

ULR No-TC1240824000000974F

Customer Name and Address: Hira Residential School Mukkam	Date of Issue :08-05-2024 Date of receipt of sample :23-04-2024 SRF No :2465/2024 Test Report No :2465/2024/03 Analysis Started :23-04-2024 Analysis Completed :30-04-2024
Information Provided by Customer: Sample Description Sample Drawn by	Water Sample (1L, Borewell) HI, Mukkam Municipality

TEST RESULTS-CHEMICAL ANALYSIS

Sl. No.	Parameters	Test Method	Result	Limit of Quantification (LOQ)	Acceptable limit as per IS 10500:2012
1	pH at 25°C	APHA, 2023 (Part 4500 H+ B)	7.38	1.0	6.50-8.50
2	Colour, Hazen	APHA, 2023 (Part 2120 B)	>20.0	1.0	5.0
3	Turbidity, NTU	APHA, 2023(Part 2130 B)	41.20	0.20	1.0
4	Total Dissolved Solids, mg/l	APHA, 2023 (Part 2540 C)	184.0	10.0	500.0
5	Total Hardness as CaCO ₃ , mg/l	APHA, 2023 (Part 2340 C)	92.0	2.0	200.0
6	Total Alkalinity as CaCO ₃ , mg/l	APHA, 2023 (Part 2320 B)	83.0	2.0	200.0
7	Chloride as Cl ⁻ , mg/l	APHA, 2023(Part 4500 Cl ⁻ B)	20.0	4.0	250.0
8	Sulphate, as SO ₄ ²⁻ , mg/l	APHA, 2023 (Part 4500 SO ₄ ²⁻ E)	17.30	1.0	200.0
9	Calcium as Ca, mg/l	APHA, 2023 (Part 3500 Ca B)	33.60	1.0	75.0
10	Magnesium as Mg, mg/l	APHA, 2023 (Part 3500 Mg B)	1.90	1.0	30.0
11	Iron as Fe, mg/l	APHA, 2023 (Part 3500 Fe B)	3.98	0.20	1.0

*****End of the Report*****

For CWRDM, Water Quality Division – Testing Laboratory

Tested by

Authorised Signatory

Note: This test report refers only to the particular item(s) submitted for testing. The test results reported in this report are valid at the time of and under the stated condition of measurement. This particular test report cannot be reproduced except in full, without prior permission of Head – Water Quality Division of the laboratory. Any discrepancies may be brought to the laboratory within 30 days of the issue of the report.

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WATER QUALITY DIVISION
CENTRE FOR WATER RESOURCES DEVELOPMENT AND MANAGEMENT
KOZHIKODE-673571

TEST RESULTS- BACTERIOLOGICAL ANALYSIS

Sl. No.	Parameters	Test Method	Result	Acceptable limit as per IS 10500:2012
1	Total Coliforms, CFU/100ml	APHA, 2023(Part 9222 B)	Absent	Shall not be detectable in any 100ml sample
2	<i>E.coli</i> , CFU/100ml	APHA, 2023(Part 9222 G)	Absent	Shall not be detectable in any 100ml sample

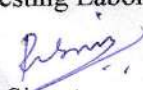
Note:-

All the tested water quality parameters are found to be within the acceptable limit as per IS 10500:2012, Drinking Water Specification except Colour, Turbidity and Iron.

*****End of the Report*****

For CWRDM, Water Quality Division – Testing Laboratory

Tested by 

Authorised Signatory 

Head
Water Quality Division
CWRDM

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