TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
Ganesh Nagar, Near Law College Students Hostel,
Melur Road, Madurai-625 007.
Phone: 0452 - 3500637 E-mail: wtlmdu@gmail.com

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Test Report No:	2024/MDU/1324	Report Date :	08.05.2024
Invoice Details:	169/Dt.04.05.2024/Amt.Rs.2360		

Client Name & Address Contact No / Email.ID : The Assistant Engineer,
Madurai Central Sub Division-I,CPWD,
Income Tax Office Campus,
Bibikulam,
Madurai-625 002.

Sample Name	:	Water
Sample Description	:	Bore Well Water
Sample Submitted by	:	Customer
Location & Date	:	Idayapatti & 04.05.2024
Quantity of sample Received	:	5 Litres
Sample Container	:	Jerry Cane – Good condition
Sample Condition on Receipt	:	Good
Sample Received On	:	04/05/2024
Test Commenced on	:	04/05/2024
Test Completed on	:	08/05/2024

S.No	Parameters	Test Method	Unit	Sample Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH at 25°C	IS 3025 Part 11-2022	-	6.91	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO3	IS 3025 Part 21-2009 (RA:2019)	mg/L	332	200	600
3	Total Alkalinity as CaCO3	IS 3025–Part 23-2023	mg/L	268	200	600
4	Chloride as Cl	IS 3025-Part 32-1988 (RA:2019)	mg/L	94	250	1000
5	Sulphate as SO4	IS 3025-Part 24sec (1)-2022	mg/L	24.6	200	400
6	Nitrate as NO_3	APHA 24th Edition 2023 - 4500 –NO3 B	mg/L	9	45	45
7	Fluoride as F	APHA 24th Edition 2023 – 4500- F-D	mg/L	0.62	1.0	1.5

Remarks: The above water sample is confirmed to IS: 10500:2012 Drinking Water Specification with respect to above tested parameters.

.....End of the report.....

8/5/24

Reviewed and Authorised by
B. Karuthapandian, B.E., M.Tech.
Assistant Water Analyst (i/c)

Note:
1. The test results relate only to the items tested.
2. The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3. The test sample will be retained for 15 days.
4. The Result applied to the sample as Received basis.

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S.No	Parameters	Test Method	Unit	Sample Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation	--	Clear	-	-
2	Colour	APHA 23rd Edition 2017 4500 H+B	Hazen	Colourless	Agreeable	Agreeable
3	Odour	IS 3025 Part 5 : 1983	--	None	-	-
4	Turbidity	APHA 23rd Edition 2017 - 2130 B	NTU	0	1	5
5	Total Dissolved Solids	APHA 23rd Edition 2017 – 2540 C	mg/L	732	500	2000
6	Conductivity	APHA 23rd Edition 2017 – 2510 B	µS/cm	1045	-	-
7	P - Alkalinity	IS 3025–Part 23-1983	mg/L	-	-	-
8	Calcium	APHA 23rd Edition 2017 – 3500 Ca B	mg/L	83	75	200
9	Magnesium	APHA 23rd Edition 2017– 3500 Mg B	mg/L	36	30	100
10	Iron	APHA 23rd Edition 2017– 3500 Fe B	mg/L	0	0.3	1
11	Manganese	APHA 23rd Edition 2017 – 3500 Mn B	mg/L	0	0.1	0.3
12	Ammonia	APHA 17th Edition-1989– 4500 NH3C	mg/L	0	0.5	0.5
13	Nitrite as NO_2	APHA 23rd Edition 2017– 4500-NO2 B	mg/L	0	0.5	0.5
14	Total Phosphate as PO4	APHA 23rd Edition 2017 – 4500 P- D	mg/L	0	0.5	0.5
15	Tidys	APHA 23rd Edition 2017 – 4500 O - B	mg/L	0.6	-	-
16	Residual chlorine	IS / APHA	mg/L	0	0.2	0.5

.....Report Continues.....

8/5/24.

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Client Name & Address Contact No / Email.ID	:	The Assistant Engineer, Madurai Central Sub Division-I,CPWD, Income Tax Office Campus, Bibikulam, Madurai-625 002.
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Sample Description	:	Bore Well Water
Sample Submitted by	:	Customer
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The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2024/MDU/1324 Sample Result	BIS 10500-2012 Max Limit
1	Standard plate count CFU/1ml	0	500 Organisms/ml
2	Total coliform CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml
4	Fecal Streptococcus CFU/100ml	0	Nil/100 ml

.....End of the report.....

Result : The given Bore Well water sample is physically, chemically potable and bacteriologically not contaminated.

8/5/24

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