



**GOVERNMENT OF ARUNACHAL PRADESH
STATE WATER QUALITY TESTING LABORATORY
PHE & WS DEPARTMENT,
ITANAGAR**

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WATER ANALYSIS REPORT

Laboratory reference No. : SWTL/WQR-7/2024/10
Name Applicant : Principal, Vivekananda Res. Public School, Itanagar
Sample source : Supply Water
Date of collection of sample : 31/05/2024
Date of Completion of Test : 03/06/2024

Physical, Chemical and Bacteriological parameters

Sl. No.	Parameter (Unit)	Acceptable Limit (BIS)	Permissible Limit (BIS)	Report
1	Temperature(⁰ C)	-	-	23.9
2	Turbidity (NTU)	1	5	1.93
3	pH	6.5-8.5	No relaxation	7.03
4	Total Dissolved Solid (mg/L)	500	2000	37.1
5	Electrical Conductivity (μ S/cm)	-	-	57.07
6	Total Hardness as CaCO ₃ (mg/L)	200	600	16
7	Total Alkalinity (mg/L)	200	600	8
8	Chloride (mg/L)	250	1000	1.0
9	Sulphate (mg/L)	200	400	0.18
10	Fluoride (mg/L)	1.0	1.5	0.02
11	Nitrate (mg/L)	45	No Relaxation	0.24
12	Iron (mg/L)	1.0	No Relaxation	0.53
13	Arsenic (mg/L)	0.01	No Relaxation	BDL*
14	Copper (mg/L)	0.05	1.5	BDL
15	Lead (mg/L)	0.01	No Relaxation	BDL
16	Mercury (mg/L)	0.001	No Relaxation	BDL
17	Zinc (mg/L)	5	15	BDL
18	Cadmium	0.003	No Relaxation	BDL
19	Total Coliform Bacteria (per 100 mL)	0	No Relaxation	0
20	Faecal Coliform Bacteria (per 100 mL)	0	No Relaxation	0

*BDL: Below Detection Limit

Remark: All the tested parameters are within BIS permissible limit.

(Dr. Binod Pokhrel)
Chief Chemist-cum- Consultant State Level WQ
State Water Quality Testing Lab
PHE & WS Deptt. Itanagar.

N.B.: This report cannot be used for any legal purpose.