



**KERALASTATE GROUND WATER DEPARTMENT  
ANALYTICAL LABORATORY LEVEL II\*, THIRUVANANTHAPURAM**

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**(IS 10500: 2012)**

Lab ref. No.	926/24
Sample supplied	Swami Vivekananda Mission Central School, Koliacode, Studio road, Nemom P.O
Date of receipt	06/05/2024
Date of Report	16/05/2024
Type of Sample	Open well
Purpose	Other purpose

**WATER ANALYSIS REPORT**

	Parameter	Requirement (Acceptable limit) (mg/L)	Permissible Limit	Analysed value
1	pH	6.5-8.5	No Relaxation	6.5
2	Electrical conductivity ( $\mu$ mhos/cm)	-	-	177
3	Total Dissolved solids (mg/L)	500	2000	106
4	Turbidity (NTU)	1	5	0.1
5	Total Hardness (mg CaCO <sub>3</sub> /l)	200	600	50
6	Calcium (mg/L)	75	200	16
7	Magnesium (mg/L)	30	100	2.4
8	Sodium (mg/L)	-	-	11.9
9	Potassium (mg/L)	-	-	6
10	Total Alkalinity (mg CaCO <sub>3</sub> /l)	200	600	28
11	Carbonate (mg/L)	-	-	0
12	Bicarbonate (mg/L)	-	-	34
13	Sulphate (mg/L)	200	400	6.5
14	Chloride (mg/L)	250	1000	24.7
15	Nitrate-N (mg/L)	10	No Relaxation	2.4
16	Iron (mg/L)	1	No Relaxation	0.01
17	Total Coliform(MPN/100ml)	NIL	NIL	NIL
18	Faecal Coliform(MPN/100ml)	NIL	NIL	NIL

**Remarks** In the given sample all the analysed parameters are within the limit of water quality standard (BIS). The sample is bacteriologically not contaminated.

  
**CHIEF CHEMIST**