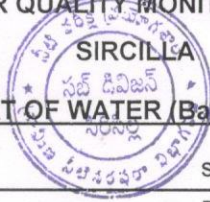


MISSION BHAGIRATHA DEPARTMENT  
INTERNAL WATER QUALITY MONITORING LABORATORY



CHEMICAL ANALYSIS REPORT OF WATER (Based on IS 10500 2012 IInd Revised)

Mandal: Konaraopet

sample Collected by : Field Assistant

Village: Marrimadla

Date of Collection : 27-12-2023

Location: EMR School

Date of Received : 27-12-2023

Source of water: Bore Water

Date of Report : 28-12-2023

code:

Lab Ref No: 2415

TEST	RESULT	Acceptable Limit	Permissible Limit in the absence of alternate Source
Colour (T.C.U) Hazen Units	0	5 Units	15 Units
Turbidity (N.T.U) Units	0	1 Units	5 Units
Odour	Un-Objectionable	Un-Objectionable	Un-Objectionable
Value of PH	7.49	6.5 - 8.5	No Relaxation
Total Dissolved Solids (Mg/L)	545	500	2000
Alkalinity (Phenolphthelein as CaCo <sub>3</sub> (Mg/L)			
( ) Methyl Orange (Mg/L)	232	200	600
Total Hardness	256	200	600
Chloride (as Cl) (Mg/L)	127	200	1000
Fluoride (as F) (Mg/L)	1.18	1.0	1.5
Nitrate (as No <sub>3</sub> ) (Mg/L)	7.2	45	45
Sulphate (as So <sub>4</sub> ) (Mg/L)	84	200	400
Iron (as Fe) (Mg/L)	0.05	0.3	1.0
Residual Chlorine (PPM)	0	0.2	1.0

Remarks:

ASSISTANT CHEMIST  
INTERNAL WATER QUALITY MONITORING LABORATORY  
MB INTRA, SD, SIRCILLA