



GOVERNMENT OF TELANGANA
REGIONAL PUBLIC HEALTH LABORATORY, WARANGAL
HANAMKONDA (KUDA Premises) - 506 001
Report Of Physical, Chemical Analysis Of Water &
Chemical Analysis of Water for Construction Purpose*

Sample from : Falthima High School; Mahabubnagar

Collected by : Sgt. Dast - Mahabubnagar

Collected on : 26/3/2025

Received on : 26/3/2025

Paid / Free : ✓

Receipt No. : 230200

Amount : 230200

Lab Ref. No. : 26/3/2025	1078	IS10500:2012				
Address Of Sources	:		R.O. plant - Water al- School .		Acceptable limit	Permissible limits in the absence of alternate source
Substance or Characteristic	:					
Colour	:		65		5	15
Odour	:		Agreeable		Agreeable	Agreeable
Turbidity NTU	:		-		1	5
*P ^H at °C	:		7.0		6.5-8.5	No relaxation
Electrical conductivity (at 25° C Micro Mhos/cm)	:		190			
*Total Dissolved Solids (mg/Lt.)	:		123		500	2000
The following results are in mg/liter						
Phenolphthalein Alkalinity	:		nil			
Total Alkalinity (as CaCO ₃)	:		20		200	600
Total hardness (as CaCO ₃)	:		25		200	600
Calcium hardness (as CaCO ₃)	:		15			
Magnesium hardness (as CaCO ₃)	:		10			
Sulphate (as SO ₄ ²⁻)	:		-		200	400
Nitrite (as NO ₂ ⁻)	:		nil			
Nitrate (as NO ₃ ⁻)	:		-		10	No relaxation
*Chloride (as Cl ⁻)	:		23		250	1000
Fluoride (as F ⁻)	:		0.08		1.0	1.5
Iron (as Fe)	:		-		0.3	No relaxation
*To neutralize 100 ml of water sample using phenolphthalein indicator with 0.02 N Na OH (in ml)	:				Not more than 5 ml as per IS 456 (2000) (Reaffirmed 2005)	
*To neutralize 100 ml of water sample using Mixed indicator with 0.02 N H ₂ SO ₄ (in ml)	:				Not more than 25 ml as per IS 456 (2000) (Reaffirmed 2005)	

Remarks : The Given Water Sample is physico-chemically Satisfactory for Drinking purpose.

Sulochana
Senior Analyst
03/04/2025

M. Vannu
Civil Surgeon Bacteriologist I/C