



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 : Ekashila High School T.H.NO - 30-1-471, medikonda
 Collected by : Self Kazipet - Hanamkonda Paid / Free :
 Collected on : 14/06/23 Receipt No. : 269
 Received on : 14/06/23 Amount : 920.000

Lab Ref. No. : <u>14/06/23</u>	<u>172</u>	IS10500:2012
Address Of Sources	<u>R.O. under at Ekashila High School C.B.S.C</u>	Acceptable limit
Substance or Characteristic		Permissible limits in the absence of alternate source
Colour	<u>LS</u>	5
Odour	<u>Agreeable</u>	Agreeable
Turbidity NTU	<u>0.89</u>	1
^H at ⁰ C	<u>7.3</u>	6.5-8.5
Electrical conductivity (at 25° C Micro Mhos/cm)	<u>187</u>	No relaxation
*Total Dissolved Solids (mg/Lt.)	<u>121</u>	500
The following results are in mg/liter		
Phenolphthalein Alkalinity	<u>N</u>	
Total Alkalinity (as CaCO ₃)	<u>20</u>	200
Total hardness (as CaCO ₃)	<u>45</u>	200
Calcium hardness (as CaCO ₃)	<u>22</u>	
Magnesium hardness (as CaCO ₃)	<u>23</u>	
Sulphate (as SO ₄ ²⁻)	<u>N</u>	200
Nitrite (as NO ₂)	<u>N</u>	
Nitrate (as NO ₃)	<u>-</u>	10
*Chloride (as Cl)	<u>20</u>	250
Fluoride (as F)	<u>0.26</u>	1.0
Iron (as Fe)	<u>-</u>	0.3
*To neutralize 100 ml of water sample using phenolphthalein indicator with 0.02 N Na OH (in ml)	<u>-</u>	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)	<u>-</u>	Not more than 25 ml as per IS 456 (2000) (Reaffirmed 2005)

Remarks :

The lab Ref I.D.no - 172, water Samples are Physico-chemically SATISFACTORY for Drinking purpose

W. Reddy
Principal

EKASHILA HIGH SCHOOL
Medikonda, Kazipet, Warangal.

Sulochana K
Senior Analyst

[Signature]
Civil Surgeon, Bacteriologist I/C