



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 : The Principal
 Collected by : Sd/- Alphonse High School
 Collected on : 26/11/2024 W. E. M. - Wardhanampet Dist - Warangal Paid / Free :
 Received on : 26/11/2024 Receipt No. : 408
Amount : 230/-

Lab Ref. No. : <u>26/11/2024</u>						IS10500:2012	
Address Of Sources	:					Acceptable limit	Permissible limits in the absence of alternate source
Substance or Characteristic	:		<u>R.O. plant water</u>				
Colour	:		<u>LS</u>			<u>5</u>	<u>15</u>
Odour	:		<u>Agreeable</u>			<u>Agreeable</u>	<u>Agreeable</u>
Turbidity NTU	:		<u>-</u>			<u>1</u>	<u>5</u>
*P at °C	:		<u>6.5</u>			<u>6.5-8.5</u>	<u>No relaxation</u>
Electrical conductivity (at 25° C Micro Mhos/cm)	:		<u>135</u>				
*Total Dissolved Solids (mg/Lt.)	:		<u>87</u>			<u>500</u>	<u>2000</u>
<i>The following results are in mg/liter</i>							
Phenolphthalein Alkalinity	:		<u>NIL</u>				
Total Alkalinity (as CaCO ₃)	:		<u>25</u>			<u>200</u>	<u>600</u>
Total hardness (as CaCO ₃)	:		<u>10</u>			<u>200</u>	<u>600</u>
Calcium hardness (as CaCO ₃)	:		<u>5</u>				
Magnesium hardness (as CaCO ₃)	:		<u>5</u>				
Sulphate (as SO ₄ ²⁻)	:		<u>-</u>			<u>200</u>	<u>400</u>
Nitrite (as NO ₂ ⁻)	:		<u>NIL</u>				
Nitrate (as NO ₃ ⁻)	:		<u>-</u>			<u>10</u>	<u>No relaxation</u>
*Chloride (as Cl ⁻)	:		<u>10</u>			<u>250</u>	<u>1000</u>
Fluoride (as F ⁻)	:		<u>0.21</u>			<u>1.0</u>	<u>1.5</u>
Iron (as Fe)	:		<u>-</u>			<u>0.3</u>	<u>No relaxation</u>
*To neutralize 100 ml of water sample using phenolphthalein indicator with 0.02 N Na OH (In ml)	:					<u>Not more than 5 ml as per IS 456 (2000) (Reaffirmed 2005)</u>	
*To neutralize 100 ml of water sample using Mixed indicator with 0.02 N H ₂ SO ₄ (In ml)	:					<u>Not more than 25 ml as per IS 456 (2000) (Reaffirmed 2005)</u>	

Remarks : The Given water sample is physico-chemically satisfactory for Drinking purpose.

Sudhakar
Senior Analyst/c

Ramesh
Civil Surgeon Bacteriologist I/C