



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, Adphare's High School, Sultanabad.
 Collected by : MD. Sallandhin ST Dist. Peddempally Paid/Free
 Collected on : _____ Receipt No. : 7776
 Received on : 2/5/2025 Amount : 230.200



Lab Ref. No. :	<u>3/5/2025</u>	<u>139</u>	IS10500:2012
Address of Sources :		<u>R.O. plant</u>	Acceptable limit
Substance or Characteristic :		<u>water for Adphare's School</u>	Permissible limits in the absence of alternate source
Colour :		<u>LS</u>	5 15
Odour :		<u>Agreeable</u>	Agreeable Agreeable
Turbidity NTU :		<u>-</u>	1 5
*P ^H at °C :		<u>7.7</u>	6.5 - 8.5 No relaxation
Electrical conductivity (at 25° C Micro Mhos /cm) :		<u>240</u>	
* Total Dissolved Solids (mg/Lt.) :		<u>158</u>	500 2000
<i>The following results are in mg/liter</i>			
Phenolphthalein Alkalinity :		<u>NIC</u>	
Total Alkalinity (as CaCO ₃) :		<u>30</u>	200 600
Total hardness (as CaCO ₃) :		<u>25</u>	200 600
Calcium hardness (as CaCO ₃) :		<u>16</u>	
Magnesium hardness (as CaCO ₃) :		<u>9</u>	
Sulphate (as SO ₄ ²⁻) :		<u>-</u>	200 400
Nitrite (as NO ₂) :		<u>NIC</u>	
Nitrate (as NO ₃) :		<u>-</u>	10 No relaxation
*Chloride (as Cl) :		<u>20</u>	250 1000
Fluoride (as F) :		<u>0.27</u>	1.0 1.5
Iron (as Fe) :		<u>-</u>	0.3 No relaxation
*To neutralize 100 ml of water sample using phenolphthalein indicator with 0.02N 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 0.02N H ₂ SO ₄ (in ml) :			Not more than 25 ml as per is 456 (2000) (Reaffirmed 2005)

The Given water physico-chemically Satisfactory for Drinking purpose.

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