



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 : *Principal Birula open mts Integrated School  
Thunapur Dist: Warangal*  
Collected by : *Sully*  
Collected on : *12/3/2021*  
Received on : *12/3/2021*  
Paid/Free : *-*  
Receipt No. : *011138*  
Amount : *230/-*

Lab Ref. No. :		458		IS10500:2012
Address Of Sources :		<i>R.O (Treated) Water at School</i>		Acceptable limit Permissible limits in the absence of alternate source
Substance or Characteristic				
Colour :		<i>Col-less</i>		5 15
Odour :		<i>None</i>		Agreeable Agreeable
Turbidity NTU :		<i>-</i>		1 5
*P at °C :		<i>7.7</i>		6.5-8.5 No relaxation
Electrical conductivity (at 25° C Micro Mhos/cm) :		<i>80</i>		
*Total Dissolved Solids (mg/Lt.) :		<i>52</i>		500 2000
<i>The following results are in mg/liter</i>				
Phenolphthalein Alkalinity :		<i>NIL</i>		
Total alkalinity (as CaCO <sub>3</sub> ) :		<i>40</i>		200 600
Total hardness (as CaCO <sub>3</sub> ) :		<i>32</i>		200 600
Calcium hardness (as CaCO <sub>3</sub> ) :		<i>16</i>		
Magnesium hardness (as CaCO <sub>3</sub> ) :		<i>16</i>		
Sulphate (as SO <sub>4</sub> <sup>2-</sup> ) :		<i>NIL</i>		200 400
Nitrite (as NO <sub>2</sub> <sup>-</sup> ) :		<i>NIL</i>		
Nitrate (as NO <sub>3</sub> <sup>-</sup> ) :		<i>-</i>		10 No relaxation
*Chloride (as Cl <sup>-</sup> ) :		<i>12</i>		250 1000
Fluoride (as F <sup>-</sup> ) :		<i>0.2</i>		1.0 1.5
Iron (as Fe) :		<i>-</i>		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 <sub>2</sub> SO <sub>4</sub> (in ml) :				Not more than 25 ml as per IS 456 (2000) (Reaffirmed 2005)

Remarks: *Given water sample is chemically SATISFACTORY for Drinking purpose. as all the Analysed parameters are within the permissible limits.*

*Sully*  
Senior Analyst

*Esrody*  
Civil Surgeon Bacteriologist I/C