



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 : Self Sai chaitanya School
Collected on : 10/06/2021
Received on : 10/06/2021

Paid / Free : ☒ Paid
Receipt No. : 0253
Amount : 230.00

Lab Ref. No. :	160	IS10500:2012
Address of Sources :	Borewell water from Sai chaitanya School	Acceptable limit
Substance or Characteristic :		Permissible limits in the absence of alternate source
Colour :	15	5
Odour :	Agreeable	Agreeable
Turbidity NTU :	-	1
*pH at °C :	7.3	6.5 - 8.5
Electrical conductivity (at 25° C Micro Mhos /cm) :	3300	No relaxation
* Total Dissolved Solids (mg/Lt.) ✓ :	215 ✓	500
The following results are in mg/liter		
Phenolphthalein Alkalinity :	NIL	
Total Alkalinity (as CaCO ₃) :	760	200
Total hardness (as CaCO ₃) ✓ :	320 ✓	200
Calcium hardness (as CaCO ₃) :	100	
Magnesium hardness (as CaCO ₃) :	220	
Sulphate (as SO ₄ ²⁻) :	-	200
Nitrite (as NO ₂) :	NIL	
Nitrate (as NO ₃) :	-	10
*Chloride (as Cl) :	300	No relaxation
Fluoride (as F) ✓ :	1.65 ✓	250
Iron (as Fe) :	-	1.0
*To neutralize 100 ml of water sample using phenolphthalein indicator with 0.02N Na OH (in ml) :		0.3
*To neutralize 100 ml of water sample using Mixed indicator with 0.02N H ₂ SO ₄ (in ml) :		No relaxation
		Not more than 5 ml as per is 456 (2000) (Reaffirmed 2005)
		Not more than 25 ml as per is 456 (2000) (Reaffirmed 2005)

The Given water Sample is physico-chemically
Not Suitable for Drinking purpose due to Total hardness
and Fluoride values above acceptable limits.
Subhash
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Civil Surgeon Bacteriologist I/C