



**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, Paramitha World School,

Collected by : Selt - H.W.O - 513/511 Alugunur Paid / Free :

Collected on : 18/12/2015 Dist - Karimnagar Receipt No. : 7838

Received on : 19/12/2015 Amount : 2302.00

Lab Ref. No. : 191712015		230		IS10500:2012	
Address of Sources :		R.O. plant - Teacher's School .		Acceptable limit	Permissible limits in the absence of alternate source
Substance or Characteristic :					
Colour :		15		5	15
Odour :		Agreeable		Agreeable	Agreeable
Turbidity NTU :		-		1	5
*P ^H at °C :		6.7		6.5 - 8.5	No relaxation
Electrical conductivity (at 25° C Micro Mhos /cm) :		93			
* Total Dissolved Solids (mg/Lt.) :		60		500	2000
The following results are in mg/liter					
Phenolphthalein Alkalinity :		NIL			
Total Alkalinity (as CaCO ₃) :		18		200	600
Total hardness (as CaCO ₃) :		10		200	600
Calcium hardness (as CaCO ₃) :		5			
Magnesium hardness (as CaCO ₃) :		5			
Sulphate (as SO ₄ ²⁻) :		-		200	400
Nitrite (as NO ₂) :		NIL			
Nitrate (as NO ₃) :		-		10	No relaxation
*Chloride (as Cl) :		15		250	1000
Fluoride (as F) :		0.05		1.0	1.5
Iron (as Fe) :		-		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 Sample is physico-chemically
Satisfactory for Drinking Purpose.

Subbaiah
Senior Analyst

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Civil Surgeon Bacteriologist I/C

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