



**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 : Paramita World School

Collected by : Selb - H.No - 5-93/5/1
 Collected on : 23/11/24
 Received on : 23/11/24
Alugunoor, Karimnagar
Telangana - 506001

Paid / Free : ✓
 Receipt No. : 500
 Amount : 230.00

Lab Ref. No. : <u>23/11/24 - 591</u>	IS10500:2012	
Address Of Sources : <u>Drinking (RO) water in school</u>	Acceptable limit	Permissible limits in the absence of alternate source
Substance or Characteristic		
Colour : <u>LS</u>	5	15
Odour : <u>Agreeable</u>	Agreeable	Agreeable
Turbidity NTU : <u>-</u>	1	5
*pH at 25°C : <u>5.8</u>	6.5-8.5	No relaxation
Electrical conductivity (at 25°C Micro Mhos/cm) : <u>81</u>		
*Total Dissolved Solids (mg/lit.) : <u>52</u>	500	2000
<i>The following results are in mg/liter</i>		
Phenolphthalein Alkalinity : <u>nil</u>		
Total Alkalinity (as CaCO ₃) : <u>8</u>	200	600
Total hardness (as CaCO ₃) : <u>18</u>	200	600
Calcium hardness (as CaCO ₃) : <u>5</u>		
Magnesium hardness (as CaCO ₃) : <u>7</u>		
Sulphate (as SO ₄ ²⁻) : <u>-</u>	200	400
Nitrite (as NO ₂) : <u>nil</u>		
Nitrate (as NO ₃) : <u>-</u>	10	No relaxation
*Chloride (as Cl ⁻) : <u>42</u>	250	1000
Fluoride (as F ⁻) : <u>0.2</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 0.02 N NaOH (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 ₂ SO ₄ (in ml)	Not more than 25 ml as per IS 456 (2000) (Reaffirmed 2005)	

Remarks : The Given water Sample is physico-chemically Satisfactory for Drinking Purpose.
The Given Sample pH value is below the permissible limit
Advised to adjust to normal limits.

S. Subrahmanyam
 Senior Analyst

[Signature]
 Civil Surgeon Bacteriologist I/C

M. Sankar
 Principal
PARAMITA World School
 Affiliated to the CBSE # 3630442
 Alugunoor, Karimnagar.

[Signature]
Secretary & Correspondent
PARAMITA WORLD SCHOOL
 Alugunoor, Karimnagar,



