

GOVERNMENT OF TELANGANA

DEPARTMENT OF WATER AND WASTE WATER EXAMINATION

Directorate of I.P.M.P.H.Labs, Food (H) Administration, Narayanaguda, Hyderabad - 29.

REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

REPORT OF PHYSICO-CHEMICAL ANALYSIS					
Sample From		Sri Chaitanya School		Collected by	Party
Address		1-2/1, Hydershakote, Shanthi Nagar, Rajendra Nagar , Hyderabad		Collected on	26-09-2026
				Received on	26-09-2026
District		.....			
State		Telengana		Sample volume	2 ltr
Source profile		Borewell water / R.O water		Sample ID	9415 / 9418
S.No	Parameter	source /sample id		Drinking Water -Specification As per IS 10500 :2012	
		Direct Borewell / 9415	R.O water / 9418	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	0.91	0.25	1	5
3	Odour	UnObjectionable	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	7.2	8.2	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	1357	197	....	....
7	TDS(mg/L),max	882	128	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO3) ,phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO3) ,max	224	30	200	600
3	Total hardness (as CaCO3),max	424	59	200	600
4	Calcium hardness (as CaCO3),max	288	20	....	.....
5	Magnesium hardness (as CaCO3),max	136	39	....	.....
6	Calcium (as Ca),max	115	8.0	75	200
7	Magnesium (as Mg),max	33.2	9.5	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Nil	Nil	....	....
10	Nitrate(as N),max	3.4	Nil	45	No relaxation
11	Sulphate (as SO4),max	7	Nil	200	400
12	Chloride(as Cl),max	148	28	250	1000
13	Fluoride(as F),max	0.91	Nil	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The sample with Lab Ref No: 9415 is physico chemically unsatisfactory as total hardness value is more the limits.

The sample with Lab Ref No: 9418 is Physico chemically satisfactory.

The sample was submitted by the party and was not collected by laboratory personnel. Hence, the results pertain only to the sample as received. The laboratory does not take responsibility for the source, representativeness, or integrity of the sample.

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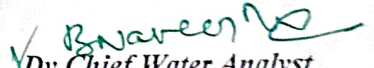
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REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: Sri Chaitanya School, 1-2/1, Hydershakote, Shanthi Nagar,
Rajendra Nagar , Hyderabad .
2. Collected by: Party
3. Collected on : 26-09-2026
4. Received on: 26-09-2026

Lab. Ref. No.	Source	Exact location	Residual Chlorine mg per liter	Total coliform bacteria (MPN Index) per 100ml	Faecal coliform bacteria per 100ml	Esch. coli per 100ml	Result
9414	Borewell water	Direct Borewell water	...	Nil	...	...	Satisfactory
9416	R.O water	Direct R.O water	...	Nil	...	...	Satisfactory
9417	R.O water (TPC)	Direct R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = 1 CFU / ml				Satisfactory

Remarks: The sample was submitted by the party and was not collected by laboratory personnel. Hence, the results pertain only to the sample as received. The laboratory does not take responsibility for the source, representativeness, or integrity of the sample.


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