

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					
Sample From		Sri Chaitanya School,		Collected by	
Address		Bhagyalakshmi Nagar, Serilingampally (M), Rangareddy (D).		Collected on	
District		Ranga Reddy		Received on	
State		Telangana		Sample volume	
Source profile		Borewell water / R.O water		Sample ID	
S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Direct Borewell water collected from above address / 6169	Direct R.O water / 6172	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	2.9	1.5	1	5
3	Odour	Un-Objectionable	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	6.6	7.3	6.5 - 8.5	No relaxation
6	Electrical Conductivity at	1837	79	....	....
7	TDS(mg/L),max	1212	52	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO3),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO3) ,max	252	06	200	600
3	Total hardness (as CaCO3),max	592	08	200	600
4	Calcium hardness (as CaCO3),max	468	07	....	.....
5	Magnesium hardness (as CaCO3),max	124	1	....	.....
6	Calcium (as Ca),max	187	2.8	75	200
7	Magnesium (as Mg),max	29	2.4	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Nil	Nil	....	....
10	Nitrate(as N),max	26.3	1.9	45	No relaxation
11	Sulphate (as SO4),max	72	2	200	400
12	Chloride(as Cl),max	164	13	250	1000
13	Fluoride(as F),max	1.84	0.08	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The sample with Lab Ref No:6169 is physico chemically unsatisfactory as total hardness & fluoride values are above permissible limit .

The sample with Lab Ref No: 6172 is physico chemically satisfactory.

[Signature]
Dy.Chief Water Analyst

[Signature]
Manager

SRI CHAITANYA SCHOOL
 Serilingampally, R.R. Dist.

[Signature]
PRINCIPAL
SRI CHAITANYA SCHOOL
 Bhagyalaxmi Nagar, Phase-2,
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REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: Sri Chaitanya School, Bhagyalakshmi Nagar, Serilingampally
(M), Rangareddy (D).

2. Collected by: Self

3. Collected on : 13-03-2024

4. Received on: 13-3-2024

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
6168	Borewell water	Direct Borewell water collected from above address	....	≥1609	Absent	Absent
6170	R.O water	Direct R.O water	.....	Nil	....	....
6171	R.O water (TPC)	Direct R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = 1 CFU / ml			

Remarks: The sample With Lab Ref No:6168 is bacteriologically unsatisfactory due to presence of coliform bacteria.

The samples with Lab Ref No:6170, 6171 are bacteriologically satisfactory.

Dy.Chief Water Analyst

Suparna Deb Roy
Manager
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