

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	Self	
Address		Bhagyalakshmi Nagar, Serilingampally (M), Rangareddy (D).		Collected on	13.03.2024	
				Received on	13.03.2024	
District		Ranga Reddy				
State		Telangana		Sample volume	2 ltr	
Source profile		Borewell water / R.O water		Sample ID	6169 / 6172	
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.



Dy.Chief Water Analyst