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GOVERNMENT OF TELANGANA
DEPARTMENT OF WATER AND WASTE WATER EXAMINATION
Directorate of L.P.M, P.H. Labs, Food (H) Administration, Narayanaguda.

REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: Sri Chaitanya School, Miyapur(V), Serilingampally(M), Ranga Reddy (D)

2. Collected by: Self

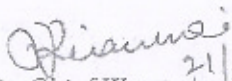
3. Collected on : 13-03-2024

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
6163	Borewell water	Direct Borewell water		≥1600	Absent	Absent
6165	R.O water	Direct R.O water		Nil		
6166	R.O water (IPC)	Direct R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37°C = 2 CFU / ml			

Remarks: The sample With Lab Ref No:6163 is bacteriologically unsatisfactory due to presence of coliform bacteria.

The samples with Lab Ref No:6165, 6166 are bacteriologically satisfactory.


21/3/24
Dy. Chief Water Analyst


MANAGER
SRI CHAITANYA SCHOOL
Plot No.9-16, Opp: Indian Petrol Pump,
Miyapur X Road, Miyapur, Hyderabad.


PRINCIPAL
SRI CHAITANYA SCHOOL
Plot No.9-16, Opp: Indian Petrol Pump,
Miyapur X Road, Miyapur, Hyderabad.

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 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		Miyapur(V), Serilingampally(M), Ranga Reddy (D)		Collected on	13.03.2024
District		Ranga Reddy		Received on	13.03.2024
State		Telangana		Sample volume	2 ltr
Source profile		Borewell water / R.O water		Sample ID	6164 / 6167
S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Direct Borewell water collected from above address / 6164	Direct R.O water / 6167	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	0.6	2.4	1	5
3	Odour	Un-Objectionable	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	7.0	5.8	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	873	61	----	----
7	TDS(mg/L),max	576	40	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO ₃),phenolphthaleln ,max	Nil	Nil	---	---
2	Total alkalinity (as CaCO ₃),max	224	13	200	600
3	Total hardness (as CaCO ₃),max	260	13	200	600
4	Calcium hardness (as CaCO ₃),max	232	12	----	-----
5	Magnesium hardness (as CaCO ₃),max	28	1	----	-----
6	Calcium (as Ca),max	92	4.8	75	200
7	Magnesium (as Mg),max	6.7	2.4	30	100
8	Ammonical Nitrogen,max	Nil	Nil	----	-----
9	Nitrite(as N),max	Nil	Nil	----	-----
10	Nitrate(as N),max	12.2	1.2	45	No relaxation
11	Sulphate (as SO ₄),max	4	1	200	400
12	Chloride(as Cl),max	88	30	250	1000
13	Fluoride(as F),max	1.04	0.04	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The sample with Lab Ref No: 6164 is physico chemically unsatisfactory as total hardness value is above desirable limit.

The sample with Lab Ref No: 6167 P^H Value is below the permissible limit. Advised to adjust to normal limits.

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By: Chief Water Analyst