

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

REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

- 1. Sample From:** Shantiniketan School, Bowrampet (V), Dundigal(M), Medchal , Malkajgiri, TS
- 2. Collected by:** Mr.Mahipal, Dining I/C
- 3. Collected on :** 19-06-2024
- 4.Received on:** 19-06-2024

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
7442	Borewell water	Direct Borewell water	...	≥1609	Absent	Absent
7444	R.O water	Direct R.O water	.....	Nil	....	....
7445	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: 7442 is bacteriologically unsatisfactory due to presence of coliform bacteria .

The sample with Lab Ref No:7444 ,7445 is bacteriologically satisfactory.

[Signature]
Dy. Chief Water Analyst

Institute of Preventive Medicine
Public Health Labs & Food (H) Adm.
Narayanaguda, Hyderabad-29 T.S.

[Signature]
Director
SHANTINIKETAN SCHOOL

[Signature]
Principal
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REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

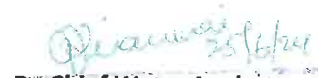
Sample From	Shantiniketan School,	Collected by	Mr.Mahipal, Dining I/C
Address	Bowrampet (V), Dundigal(M), Medchal , Malkajgiri, TS	Collected on	19-06-2024
		Received on	19-06-2024
District	Medchal , Malkajgiri,	Sample volume	2 ltr
State	Telangana	Sample ID	7443 / 7446
Source profile	Borewell water / R.O water		

S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Direct Borewell water / 7443	R.O water / 7446	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	0.68	0.9	1	5
3	Odour	Un-Objectionable	Un-Objectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	7.1	7.5	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	1610	122	....	....
7	TDS(mg/L),max	1046	79	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO ₃),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO ₃),max	460	22	200	600
3	Total hardness (as CaCO ₃),max	448	13	200	600
4	Calcium hardness (as CaCO ₃),max	268	11	....	.....
5	Magnesium hardness (as CaCO ₃),max	180	2	....	.....
6	Calcium (as Ca),max	107	4.4	75	200
7	Magnesium (as Mg),max	44	0.5	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Traces	Nil	....	....
10	Nitrate(as N),max	9.6	0.2	45	No relaxation
11	Sulphate (as SO ₄),max	13	2	200	400
12	Chloride(as Cl),max	184	2.9	250	1000
13	Fluoride(as F),max	1.26	0.14	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The sample with Lab Ref No: 7443 is physico chemically unsatisfactory as the total hardness & fluoride values are more than the limits.

The sample With Lab Ref No:7446 is physico chemically satisfactory .


 Director
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