

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: Vijayaratna High School, near Vijayapuri Colony Chowdharyguda ,
Ghatkesar(M), Medchal- Malkajgiri Dist
2. Collected by: Srinivas (Samples collected by Party)
3. Collected on : 09-06-2025
4. Received on: 09-06-2025

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
7229	Borewell water	Borewell water collected at above address	.....	75	Absent	Absent	Unsatisfactory
7231	R.O water	20 Lts Bubble can water	...	Nil	...	...	Satisfactory
7232	R.O water(TPC)	20 Lts Bubble can water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = 16 CFU / ml				Satisfactory


Dy. Chief Water Analyst

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REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From	Vijayaratna High School	Collected by	Srinivas (Samples collected by Party)
Address	near Vijayapuri Colony Chowdharyguda , Ghatkesar(M), Medchal- Malkajgiri Dist	Collected on	09-06-2025
District	Hyderabad	Received on	09-06-2025
State	TS	Sample volume	2 ltr
Source profile	Borewell water / R.O water	Sample ID	7230 / 7233

S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Borewell water collected at above address / 7230	20 Lts Bubble can water / 7233	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	0.80	0.97	1	5
3	Odour	UnObjectionable	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	7.7	6.9	6.5 - 8.5	No relaxation
6	Electrical Conductivity at	2230	131	....	....
7	TDS(mg/L),max	1450	86	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO3),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO3) ,max	372	26	200	600
3	Total hardness (as CaCO3),max	636	28	200	600
4	Calcium hardness (as CaCO3),max	336	13	....	.....
5	Magnesium hardness (as CaCO3),max	300	15	....	.....
6	Calcium (as Ca),max	135.0	5.2	75	200
7	Magnesium (as Mg),max	73.2	3.6	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Nil	Nil	....	....
10	Nitrate(as N),max	1.9	0.02	45	No relaxation
11	Sulphate (as SO4),max	1	1	200	400
12	Chloride(as Cl),max	380	21	250	1000
13	Fluoride(as F),max	1.50	0.03	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks:The sample with Lab Ref No: 7230 are physico chemically unsatisfactory as total hardness & fluoride values are above permissible limits.

The sample with Lab Ref No: 7233 is physico chemically satisfactory.

Srinivas
20/6/25
Dy.Chief Water Analyst