

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: Shree Swaminarayan Gurukul Vidyalaya, Himayath Nagar cross,
Chevella Rd, Enkapally(V) & (P), Moinabad, R R Dist.

2. Collected by: Bhagat Ji , Hostel Incharge

3. Collected on : 06-01-2026

4. Received on: 06-01-2026

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
5014	Borewell water	Direct borewell water collected from above address	...	210	Present	Absent	Unsatisfactory
5016	R.O water	Direct collected from R.O plant	...	Nil	...	...	Satisfactory
5017	R.O water	Direct collected from R.O plant	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = ≤1 CFU / ml				Satisfactory


Dy. Chief Water Analyst

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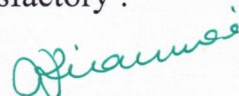
Directorate of I.P.M,P.H.Labs, Food (H) Administration, Narayanaguda, Hyderabad – 29.

REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From	Shree Swaminarayan Gurukul Vidyalaya,	Collected by	Bhagat Ji , Hostel Incharge		
Address	Himayath Nagar cross, Chevella Rd, Enkapally(V) & (P), Moinabad, R R Dist.	Collected on	06-01-2026		
		Received on	06-01-2026		
District	Rangareddy				
State	Telangana	Sample volume	2 ltr		
Source profile	Borewell water / R.O water	Sample ID	5015 / 5018		
S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Direct borewell water collected from above address / 5015	Direct collected from R.O plant / 5018	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	1.51	1.67	1	5
3	Odour	Un-Objectionable	Un-Objectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	7.6	7.3	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	1600	105	....	....
7	TDS(mg/L),max	1058	69	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO ₃),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO ₃),max	332	20	200	600
3	Total hardness (as CaCO ₃),max	544	24	200	600
4	Calcium hardness (as CaCO ₃),max	308	8	....	.....
5	Magnesium hardness (as CaCO ₃),max	236	16	....	.....
6	Calcium (as Ca),max	124.0	3.6	75	200
7	Magnesium (as Mg),max	57.5	3.9	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Nil	Nil	....	....
10	Nitrate(as N),max	11.2	Nil	45	No relaxation
11	Sulphate (as SO ₄),max	17	Nil	200	400
12	Chloride(as Cl),max	192	24	250	1000
13	Fluoride(as F),max	1.89	0.16	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The above sample with Lab Ref No:5015 is physico chemically unsatisfactory as total hardness & fluoride are above the limits .

The sample with Lab Ref No:5018 is physico chemically satisfactory .


Dy.Chief Water Analyst