

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: Lord's High School, H.No:10-149/F/10, New Venkateshwara Colony ,
Jillelaguda , R R Dist .
2. Collected by: Party
3. Collected on : 10-06-2026
- 4.Received on: 10-06-2026

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
7550	Borewell water	Direct Borewell water collected from above address	....	1100	Present	Present	Unsatisfactory
7552	R/O Water	First floor R.O water	....	Nil	....	....	Satisfactory
7553	R/O Water (TPC)	First floor R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = 6 CFU / ml				Satisfactory

Remarks: The sample with Lab Ref No: 7550 is bacteriologically unsatisfactory as evidenced by MPN of total coliforms bacteria & E.coli. Presence of E.coli & Faecal coliforms indicates sewage contamination . Advised adequate chlorination.

The sample was submitted by the party and was not collected by laboratory personnel. Hence, the results pertain only to the sample as received. The laboratory does not take responsibility for the source, representativeness, or integrity of the sample.


Dy. Chief Water Analyst

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REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From		Lord's High School,	Collected by	Party	
Address		H.No:10-149/F/10, New Venkateshwara Colony , Jillelaguda , R R Dist .	Collected on	10-06-2026	
			Received on	10-06-2026	
District		R R Dist .			
State		Telangana	Sample volume	2 ltr	
Source profile		Borewell / R.O water	Sample ID	7551 / 7554	
S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Direct Borewell water collected from above address / 7551	Direct R.O water collected from above address / 7554	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	1.7	0.8	1	5
3	Odour	Un-Objectionable	Un-Objectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	7.0	6.5	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	1399	76	....	....
7	TDS(mg/L),max	970	50	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO3),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO3) ,max	364	15	200	600
3	Total hardness (as CaCO3),max	400	14	200	600
4	Calcium hardness (as CaCO3),max	276	7	....	.....
5	Magnesium hardness (as CaCO3),max	124	7	....	.....
6	Calcium (as Ca),max	110.4	2.8	75	200
7	Magnesium (as Mg),max	30.2	1.7	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Nil	Nil	....	....
10	Nitrate(as N),max	16.8	Nil	45	No relaxation
11	Sulphate (as SO4),max	19	Nil	200	400
12	Chloride(as Cl),max	148	11	250	1000
13	Fluoride(as F),max	1.85	0.14	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The sample with Lab Ref No:7551 is physico chemically unsatisfactory as total hardness & fluoride values are above the limits.

The sample with Lab Ref No:7554 is physico chemically satisfactory .

[Signature]
Dy.Chief Water Analyst