

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: Vidya Bharati Vignana Kendra School, Nadargul, Badangpet,
R R Dist.

2. Collected by: Kiran Kumar Reddy, Liason Officer

3. Collected on : 22-10-2025

4. Received on: 22-10-2025

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
8960	R.O water	Direct from R.O	...	Nil	...	...
8961	R.O water, (TPC)	Direct from R.O	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = 4 CFU / ml			

Remarks: The above samples are bacteriologically satisfactory.

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REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From	Vidya Bharati Vignana Kendra School,	Collected by	Kiran Kumar Reddy, Liason Officer
Address	Nadargul, Badangpet, R R Dist.	Collected on	22-10-2025
District	Hyderabad	Received on	22-10-2025
State	TS	Sample volume	2 ltr
Source profile	R.O water	Sample ID	8962

S.No	Parameter	Source / Sample ID	Drinking Water -Specification As per IS 10500 :2012	
		Direct R.O water / 8962	Requirement (Acceptable)	Permissible limit in the absence of alternative source

Physical parameters

1	colour(Hazen),max	<5	5	15
2	Turbidity (NTU),max	0.41	1	5
3	Odour	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable
5	p ^H	7.4	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	222		
7	TDS(mg/L),max	155	500	2000

Chemical parameters (mg/L)

1	Alkalinity(as CaCO ₃),phenolphthalein ,max	Nil	...	...
2	Total alkalinity (as CaCO ₃),max	80	200	600
3	Total hardness (as CaCO ₃),max	64	200	600
4	Calcium hardness (as CaCO ₃),max	48		
5	Magnesium hardness (as CaCO ₃),max	16		
6	Calcium (as Ca),max	19.2	75	200
7	Magnesium (as Mg),max	3.9	30	100
8	Ammonical Nitrogen,max	Nil		
9	Nitrite(as N),max	Nil		
10	Nitrate(as N),max	2.5	45	No relaxation
11	Sulphate (as SO ₄),max	1.0	200	
12	Chloride(as Cl),max	16	250	1000
13	Fluoride(as F),max	0.51	1.0	1.5
14	Iron (as Fe),max	Nil	0.3	No relaxation

Remarks: The given sample is physico chemically satisfactory.

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