

**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 Vidhyalaya, Enkepally(V),  
Moinabad(Mndl), R R Dist.

**2. Collected by:** Self

**3. Collected on :** 07-08-2024

4. Received on: 07-08-2024

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
8175	Borewell water	Direct Borewell water collected at above address	...	≥1609	Absent	Absent
8177	R.O water	Direct R.O water	...	Nil	...	...
8178	R.O water (TPC)	Direct R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 <sup>0</sup> c = 2 CFU / ml			

**Remarks:** The sample with Lab Ref No:8175 is bacteriologically unsatisfactory due to presence of coliform bacteria .

The samples with Lab Ref No's: 8177, 8178 are bacteriologically satisfactory.

  
**Dy. Chief Water Analyst**

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**DEPARTMENT OF WATER AND WASTE WATER EXAMINATION**

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 Vidhyalaya,		Collected by	Self	
Address	Enkepally(V), Moinabad(Mndl), R R Dist.		Collected on	07-08-2024	
			Received on	07-08-2024	
District	Rangareddy		Sample volume	2 ltr	
State	Telangana		Sample ID	8176/ 8179	
Source profile	Borewell water / R.O water				
S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Direct Borewell water / 8176	Direct R.O water / 8179	Requirement (Acceptable)	Permissible limit in the absence of alternative source
<b>Physical parameters</b>					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	0.99	1.11	1	5
3	Odour	Un-Objectionable	Un-Objectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p <sup>H</sup>	7.6	7.6	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	1696	83	....	....
7	TDS(mg/L),max	1102	54	500	2000
<b>Chemical parameters (mg/L)</b>					
1	Alkalinity(as CaCO <sub>3</sub> ),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO <sub>3</sub> ),max	436	10	200	600
3	Total hardness (as CaCO <sub>3</sub> ),max	644	10	200	600
4	Calcium hardness (as CaCO <sub>3</sub> ),max	240	8	....	.....
5	Magnesium hardness (as CaCO <sub>3</sub> ),max	404	2	....	.....
6	Calcium (as Ca),max	156	3.2	75	200
7	Magnesium (as Mg),max	98.5	0.48	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N ),max	Nil	Nil	....	....
10	Nitrate(as N),max	21.4	0.2	45	No relaxation
11	Sulphate (as SO <sub>4</sub> ),max	Nil	Nil	200	400
12	Chloride(as Cl),max	220	5	250	1000
13	Fluoride(as F),max	2.18	0.12	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

**Remarks:** The sample with lab Ref No:8176 is physico chemically unsatisfactory as total hardness & fluoride values are above permissible limits.

The sample with lab RefNo:8179 is physico chemically satisfactory .

  
**Dy. Chief Water Analyst**