

GOVERNMENT OF TELANGANA
DEPARTMENT OF WATER AND WASTE WATER EXAMINATION
Directorate of I.P.M,P.H.Labs, Food (II) Administration, Narayanaguda.
REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: Surya The Global School, Sy.No:123 & 124, Ameenpur (Vill)

2. Collected by: K.Mahesh

3. Collected on : 26-04-2025

4.Received on: 26/04/2025

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
6590	Borewell water	Ditrect Borewell water	...	≥1609	Absent	Present	Unsatisfactory, Presence of E.Coli indicates Faecal contamination
6592	R.O water	Ditrect from R.O plant	.....	Nil	....	.....	Satisfactory
6593	R.O water (TPC)	Ditrect from R.O plant	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = 2 CFU / ml				Satisfactory

Officer 07/05/25
Dy. Chief Water Analyst

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Dept. of Water & Waste Water
Institute of Preventive Medicine
Public Health Labs & Food (II) Administration
Narayanaguda, Hyderabad-28

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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		Surya The Global School		Collected by	K.Mahesh
Address		Sy.No:123 & 124, Ameenpur (Vill)		Collected on	26-04-2025
District		.....		Received on	26-04-2025
State		TS		Sample volume	2 ltr
Source profile		Metro water		Sample ID	6591 / 6594
S.No	Parameter	Source / Sample ID		Requirement (Acceptable)	Permissible limit in the absence of alternative source
		Ditrect Borewell water / 6591	Ditrect from R.O plant / 6594		
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	1.12	0.38	1	5
3	Odour	Un-Objectionable	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	7.7	7.2	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	1320	101	....	....
7	TDS(mg/L),max	858	65.7	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO3),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO3) ,max	308	16	200	600
3	Total hardness (as CaCO3),max	340	11	200	600
4	Calcium hardness (as CaCO3),max	260	5	....	.....
5	Magnesium hardness (as CaCO3),max	80	6	....	.....
6	Calcium (as Ca),max	104	2.0	75	200
7	Magnesium (as Mg),max	19.5	1.46	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Traces	Nil	....	....
10	Nitrate(as N),max	1.8	Nil	45	No relaxation
11	Sulphate (as SO4),max	5	Nil	200	400
12	Chloride(as Cl),max	144	16	250	1000
13	Fluoride(as F),max	1.62	0.08	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The sample with Lab Ref No: 6591 is physico chemically unsatisfactory as total hardness is above desirable limit & fluoride is above permissible limit.

The sample with Lab Ref No: 6594 is physico chemically satisfactory .

Dy. Chief Water Analyst
 Dy. Chief Water & Waste Water
 Dy. Chief Water Analytist
 Public Health Labs & Food (H) An
 Narayanaguda, Hyderabad-29.