

GOVERNMENT OF TELANGANA

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	Orchids The School, GSR Enclave,	Collected by	Mujahid Ali Khan	
Address	Bollaram, Macha Bollaram, Alwal , Medchal-Malkajgiri, Dist	Collected on	10-12-2024	
		Received on	10-12-2024	
District	Medchal-Malkajgiri	Sample volume	2 ltr	
State	Telangana	Sample ID	8554	
Source profile	R.O water			
S.No	Parameter	Source / Sample ID	Drinking Water -Specification As per IS 10500 :2012	
		Direct R.O water / 8554	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters				
1	colour(Hazen),max	<5	5	15
2	Turbidity (NTU),max	1.11	1	5
3	Odour	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable
5	p ^H	7.2	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	231	....	....
7	TDS(mg/L),max	149	500	2000
Chemical parameters (mg/L)				
1	Alkalinity(as CaCO ₃)	Nil	...	...
2	Total alkalinity (as CaCO ₃),max	33	200	600
3	Total hardness (as CaCO ₃),max	36	200	600
4	Calcium hardness (as CaCO ₃),max	26	....	.....
5	Magnesium hardness (as CaCO ₃),max	10	....	.....
6	Calcium (as Ca),max	10.4	75	200
7	Magnesium (as Mg),max	2.4	30	100
8	Ammonical Nitrogen,max	Nil	....	....
9	Nitrite(as N),max	Nil	....	....
10	Nitrate(as N),max	1.2	45	No relaxation
11	Sulphate (as SO ₄),max	1.0	200	400
12	Chloride(as Cl),max	29	250	1000
13	Fluoride(as F),max	0.16	1.0	1.5
14	Iron (as Fe),max	Nil	0.3	No relaxation

Remarks: The above samples is physico chemically satisfactory .


Dy. Chief Water Analyst
 Public Health Labs & Food (H) Admin.
 Narayanaguda, Hyderabad-29, T.R.

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REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: Orchids The School, GSR Enclave, Bollaram, Macha Bollaram, Alwal ,
Medchal-Malkajgiri, Dist

2. Collected by: Mujahid Ali Khan

3. Collected on : 10-12-2024

4. Received on: 10-12-2024

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
7331	R.O water	Direct R.O water	.....	Nil	....	....
7332	R.O water (TPC)	Direct R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = 1 CFU / ml			

Remarks: The samples are bacteriologically satisfactory .



Dy. Chief Water Analyst

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