

**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:** Orchids The School, H.No:6-1-149/5/B, Sy.no:422 & 422/1, Bachupally near Dollar Meadows, Dundigal, Medchal-Malkajgiri Dist

**2. Collected by:** Mujahed Ali Khan, (Correspondent )

**3. Collected on :** 10-06-2024

4.Received on: 10-06-2024

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
7313	R.O water	Direct R.O water	.....	Nil	....	....
7314	R.O water (TPC)	Direct R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 <sup>0</sup> c = 1 CFU / ml			

Remarks: The samples are bacteriologically satisfactory .

*M. Ali Khan* 13/06/2024  
Dy. Chief Water Analyst

Institute of Preventive Medicine  
Public Health Labs & Food (H) Admin  
Narayanaguda, Hyderabad-29, T.S.

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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	Orchids The School,	Collected by	Mujahed Ali Khan, (Correspondent )
Address	H.No:6-1-149/5/B, Sy.no:422 & 422/1, Bachupally near Dollar Meadows, Dundigal, Medchal-Malkajgiri Dist	Collected on	10-06-2024
		Received on	10-06-2024
District	Medchal-Malkajgiri	Sample volume	2 ltr
State	Telangana	Sample ID	7315
Source profile	R.O water		

S.No	Parameter	Source / Sample ID	Drinking Water -Specification As per IS 10500 :2012	
			Requirement (Acceptable)	Permissible limit in the absence of alternative source
		Direct R.O water / 7315		
<b>Physical parameters</b>				
1	colour(Hazen),max	<5	5	15
2	Turbidity (NTU),max	1.53	1	5
3	Odour	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable
5	p <sup>H</sup>	6.4	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	209	....	....
7	TDS(mg/L),max	134	500	2000
<b>Chemical parameters (mg/L)</b>				
1	Alkalinity(as CaCO <sub>3</sub> ),phenolphthalein ,max	Nil	...	...
2	Total alkalinity (as CaCO <sub>3</sub> ),max	20	200	600
3	Total hardness (as CaCO <sub>3</sub> ),max	45	200	600
4	Calcium hardness (as CaCO <sub>3</sub> ),max	34	....	.....
5	Magnesium hardness (as CaCO <sub>3</sub> ),max	11	....	.....
6	Calcium (as Ca),max	13	75	200
7	Magnesium (as Mg),max	2.6	30	100
8	Ammonical Nitrogen,max	Nil	....	....
9	Nitrite(as N ),max	Nil	....	....
10	Nitrate(as N),max	1.0	45	No relaxation
11	Sulphate (as SO <sub>4</sub> ),max	3	200	400
12	Chloride(as Cl),max	35	250	1000
13	Fluoride(as F),max	0.13	1.0	1.5
14	Iron (as Fe),max	Nil	0.3	No relaxation

Remarks: The above samples is physico chemically satisfactory .

  
 13/06/2024  
 Dy.Chief Water Analyst  
 Institute of Preventive Medicine  
 Public Health Labs & Food (H) Administration  
 Narayanaguda, Hyderabad-29, Telangana