

**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	PALLAVI School,	Collected by	Mr. Harish	
Address	Sy.No: 72/E/2, 77, 73/EE/2, 71/A, 79/AA/A, 79/A Mallampet Village, Dundigal, Gandimaisamma	Collected on	11-04-2025	
		Received on	15-04-2025	
District	Medchal Dist .			
State	Telangana	Sample volume	2 ltr	
Source profile	R.O water	Sample ID	7715	
S.No	Parameter	Source / Sample ID	Drinking Water -Specification As per IS 10500 :2012	
		Direct R.O water, / 6719	Requirement (Acceptable)	Permissible limit in the absence of alternative source
<b>Physical parameters</b>				
1	colour(Hazen),max	<5	5	15
2	Turbidity (NTU),max	1.53	1	5
3	Odour	Un-Objectionable	Un-Objectionable	Un-Objectionable
4	Taste	Agreeable	Agreeable	Agreeable
5	p <sup>H</sup>	7.2	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	158	....	....
7	TDS(mg/L),max	104	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	27	200	600
3	Total hardness ,max (as CaCO <sub>3</sub> )	24	200	600
4	Calcium hardness (as CaCO <sub>3</sub> ),max	14	....	.....
5	Magnesium hardness (as CaCO <sub>3</sub> ),max	14	....	.....
6	Calcium (as Ca),max	5.6	75	200
7	Magnesium (as Mg),max	3.3	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 <sub>4</sub> ),max	Nil	200	400
12	Chloride(as Cl),max	21	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 sample is physico chemically satisfactory for drinking purpose.

*(Handwritten Signature)*

**Dy.Chief Water Analyst**