

GOVERNMENT OF ANDHRA PRADESH
RWS&S DEPARTMENT
WATER QUALITY MONITORING LABORATORY, TIRUPATI.
REPORT ON CHEMICAL ANALYSIS OF DRINKING WATER

Name & Designation : Deputy Executive Engineer, RWS & S Chandragiri-I

Date of collection : 25.10.2025

Date of Received : 25.10.2025

Mandal : Tirupati Rural

Grama Panchayat: Perumallapalle

Habitation : Pudipatla

Type of source : RO

Location : Near Smart app café

Address: SY.NO:210/1 after Sub Division 210/1B2,210/2,206/A2/C2/B & 206/A2/C2/B & 206/C/1

Name : Academic Heights EM High School

A.P.Govt.Regd No: 63/2025

	(BIS-10500)	Units	RESULTS
1. Colour	5 to 25	Hazan	Agreeable
2. Turbidity	5 to 10	NTU's	0
3. pH	6.5 to 8.5		5.45
4. Electrical conductivity	2000	μ Mhos/Cm	190
5. Total Dissolved Solids	500 to 2000	mg/litr	122
6. Total Alkalinity (asCaCO ₃)	300 to 600	mg/litr	08
7. Total Hardness (asCaCO ₃)	300 to 600	mg/litr	12
8. Calcium (asCaCO ₃)	75 to 200	mg/litr	3.2
9. Magnesium (Mg ²⁺)	30 to 100	mg/litr	2.4
10. Chloride (as Cl)	200 to 1000	mg/litr	8.5
11. Flouride (as F)	0.1 to 1.5	mg/litr	0.27
12. Nitrate	45	mg/litr	8.3
13. Sulphate (asSO ₄)	200 to 400	mg/litr	01
14. Iron (asFe)	0.3 to 1.0	mg/litr	-

Remarks : The above water sample is Chemically Satisfactory. As per BIS Standards (IS-10500-2012).

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25/10/25

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