

**GOVERNAMENT OF ANDRAPRADESH**  
**RWS&S DEPARTMENT**  
**WATER QUALITY MONITERING 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 : Tiruapti 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 (asCaCo3)	300 to 600	mg/litr	08
7. Total Hardness (asCaCo3)	300 to 600	mg/litr	12
8. Calcium (asCaCo3)	75 to 200	mg/litr	3.2
9. Magnesium (Mg2+)	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 (asSo4)	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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