

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 : 02.06.2025

Date of Received : 02.06.2025

Mandal : Tiruapti Rural

Gram Panchayat: Perumallapalli

Habitation : Pudipatla

Type of source : RO

Location : Near smart app café

Address: SY.NO:201/1 after subdivision

Name : Academic Heights School

210/1B2, 210/2, 206/A2/C2/B&206/C/1

Test Report ID NO : 132

	(BIS-10500)	Units	RESULTS
1.Colour	5 to 25	Hazan	Agreeable
2.Turbidity	5 to 10	NTU's	1
3.pH	6.5 to 8.5		7.21
4.Electrical conductivity	2000	μ Mhos/Cm	170
5. Total Dissolved Solids	500 to 2000	mg/litr	110
6. Total Alkalinity (asCaCo3	300 to 600	mg/litr	20
7. Total Hardness (asCaCo3)	300 to 600	mg/litr	10
8. Calcium (asCaCo3)	75 to 200	mg/litr	1.6
9. Magnesium (Mg2+)	30 to 100	mg/litr	0
10. Chloride (as Cl)	200 to 1000	mg/litr	14
11. Flouride (as F)	0.1 to 1.5	mg/litr	0
12. Nitrate	45	mg/litr	2.5
13. Sulphate (asSo4)	200 to 400	mg/litr	01
14. Iron (asFe)	0.3	mg/litr	0.24

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

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