

WATER QUALITY MONITORING LABORATORY, TIRUPATI

REPORT ON CHEMICAL ANALYSIS OF DRINKING WATER

Name & Designation : The Deputy Executive Engineer, RWS & S, Chandragiri

Mandal : Chandragiri

Habitation : Ithepalli

Type of Source : Bore Water

Date of Collection: 26.10.2021

Location : Candor National School

	(BIS-10500)	Units	RESULTS
1.Colour	5 to 25.	Hazan	Agreeable
2.Turbidity	5 to 10	NTU's	Nil
3.pH	6.5 -8.5		7.7
4.Electrical conductivity	2000	μ Mhos/Cm	1680
5. Total Dissolved Solids	500 to 2000	mg/litr	1083
6. Total Alkalinity (asCaCo ₃)	300 to 600	mg/litr	450
7. Total Hardness (asCaCo ₃)	300 to 600	mg/litr	370
8. Calcium (asCaCo ₃)	75 to 200	mg/litr	80
9. Chloride (as Cl)	200 to 1000	mg/litr	212
10. Flouride (as F)	0.1 to 1.5	mg/litr	1.23
11. Nitrate	45	mg/litr	4.6
12. Sulphate (asSo ₄)	200 to 400	mg/litr	85
13. Iron (asFe)	0.3	mg/litr	0.02

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

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29/10/21
Deputy Executive Engineer
RWS & S Sub-Division
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H. R. S. S. S.
29/10/21
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