

**DISTRICT LABORATORY
P. H. E. DEPARTMENT KATNI (M.P.) 483501**

ANALYSIS - REPORT

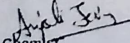
Source of Sample	PLANT
1. PARTICULAR OF SENDER -	
A. Sample Submitted By	S/E shri. Rajkumar Tiwari, jal praday vibhag, nager nigam katni
2. PARTICULAR OF SAMPLE	
A. Date of Collection	04.07.2022
B. Date of submitted in Lab	04.07.2022
3. PARTICULARS TO BE FILLED IN LABORATORY	
B. Sample Analysed on Date	04.07.2022

1	BLOCK katni, 9 MLD filter houswe	4	BLOCK katni, 20 MLD plant thrane ke samne
2	BLOCK katni, 9 MLD civil line tanki	5	BLOCK katni, madhav nagar
3	BLOCK katni, tanki no. 3		

S No	Characteristics	Units	BIS Standard IS 10500 2012		Result				
			Desirable limits	Permissible limits in the absence of alternative source	1	2	3	4	5
1	Appearance		Crystal Clear		CC	CC	CC	CC	CC
2	Temperature	°C			29.8	29.8	29.8	29.8	29.8
3	Odour		Unobjectionable		UO	UO	UO	UO	UO
4	Colour	hapen	5	15	1	1	1	1	1
5	Turbidity	NTU	1	5	0.3	0.4	0.2	0.4	0.3
6	pH Value		6.5 to 8.5	No relaxation	7.54	7.65	7.26	7.47	7.08
7	TDS	Mg/L	500	2000	420	531.9	461.7	171.9	479
8	Total Hardness (as CaCO ₃)	Mg/L	200	600	102	164	142	142	168
9	Alkalinity as (as CaCO ₃)	Mg/L	200	600	145	145	165	125	155
10	Chloride(asCl)	Mg/L	250	1000	15.5	20.5	15	16.5	17.5
13	Fluoride(asF)	Mg/L	1.0	1.5	0.08	0.08	0.06	0.06	0.08
14	Residual Free Chlorine	Mg/L	0.2	1	0.8	0.2	0.2	0.2	0.2

Note :-

- The figures indicated under the column "Desirable" bare the limits upto which water is generally acceptable to the consumers
- Figures in excess of those mentioned under "Permissible limits" render the water not acceptable, but still may be tolerated in the absence of an alternative and better source but upto the limits indicated under column "Cause for Rejection" above which the source will have to be rejected
- This test report is not liable for any binding to the court of the law else where
- This test report is as per the sample submitted by the party for testing
- Please take necessary action as per required of BIS Standard limits.
- Always send water samples in sterilized bottle for BACTERIOLOGICAL (COLIFORM) TEST


 Chemist
 District Laboratory
 P.H.E.D. Katni MP