

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

Source of Sample			ANALYSIS - REPORT					
1. PARTICULAR OF SENDER -			PLANT					
A. Sample Submitted By			S/E shri. Rajkumar Tiwari, jal praday vibhag, nagar nigam katni					
2. PARTICULAR OF SAMPLE								
A. Date of Collection			10.04.2020, 11.04.2022, 27.05.2022					
B. Date of submitted in Lab			10.04.2020, 11.04.2022, 27.05.2022					
3. PARTICULARS TO BE FILLED IN LABORATORY								
1	BLOCK katni, civil line tanki		4	BLOCK katni 20 MLD plant bargawan				
2	BLOCK katni, civil line tanki							
3	BLOCK katni, 20 MLD plant amkuhi							
S.No.	Characteristics	Units	BIS Standard IS: 10500:2012		Result			
			Desirable limits	Permissible limits in the absence of alternative source	1 (10.04.2022)	2 (11.04.2022)	3 (27.05.2022)	4 (27.05.2022)
1	Apperance		Crystal Clear	-	CC	CC	CC	CC
2	Temperature	0c	-	-	29.9	29.9	29.9	29.9
3	Odour		Unobjectionable	-	UO	UO	UO	UO
4	Colour	hazen	5	15	1	1	1	1
5	Turbidity	NTU	1	5	0.4	0.2	0.3	0.2
6	pH Value		6.5 to 8.5	No relaxation	7.69	7.64	7.66	7.69
7	TDS	Mg/l	500	2000	460.8	468.2	289	280.1
8	Total Hardness (as CaCO ₃)	Mg/l	200	600	162	166	184	188
9	Alkalinity as (as CaCO ₃)	Mg/l	200	600	140	145	155	165
10	Chloride(asCl)	Mg/l	250	1000	16	18	19.5	20
11	Iron(asFe)	Mg/l	1	1.0	0.18	0.18	0.16	0.16
12	Fluoride(asF)	Mg/l	1.0	1.5	0.06	0.06	0.04	0.06
13	Residual, Free Chlorine	Mg/l	0.2	1	0.2	0.2	0.2	0.2

Note :-

- 1 The figures indicated under the column "Desirable" bare the limits upto which water is generally acceptable to the consumers.
- 2 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 colum "Cause for Rejection" above which the source will have to be rejected.
- 3 This test report is not liable for any binding to the court of the law else where.
- 4 This test report is as per the sample submitted by the party for testing.
- 5 Please take necessary action as per required of BIS Standard limits.
- 6 Always send water samples in sterilized bottle for BACTERIOLOGICAL (COLIFORM) TEST.


Chemist

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