

DISTRICT LABORATORY
P.H. E. DEPARTMENT KATNI (M.P.) 483501
ANALYSIS - REPORT

Source of Sample			POWER PUMP		
1. PARTICULAR OF SENDER -					
A. Sample Submitted By			THE PRINCIPAL, K.V. Orddanance Factory KATNI MP		
2. PARTICULAR OF SAMPLE					
A. Date of Collection			03-09-2025		
B. Date of submitted in Lab			03/09/2025 at 11:30 am		
3. PARTICULARS TO BE FILLED IN LABORATORY					
a. Sample Analysed on Date			03-09-2025		
1 K.V. Orddanance Factory KATNI					
S.No.	Characteristics	Units	BIS Standard:IS:10500:2012 (Rev.2)		Result
			Desirable limits	Permissible limits in the absence of alternative source	1
1	Apperance		Crystal Clear	-	Clear
2	Odour		agreeable	disagreeable	agreeable
3	Colour	hazen	5	15	1
4	Turbidity	NTU	1	5	0.6
5	pH Value		6.5 to 8.5	No relaxation	7.09
6	TDS	Mg/l	500	2000	647
7	Sulphate	Mg/l	200	400	60.06
8	Total Hardness (as CaCO ₃)	Mg/l	200	600	286
9	Calcium (as Ca)	Mg/l	75	200	74.4
10	Magnesium (as Mg)	Mg/l	30	100	24.48
11	Alkalinity as (as CaCO ₃)	Mg/l	200	600	235
12	Chloride(asCl)	Mg/l	250	1000	55
13	Iron(asFe)	Mg/l	1	1.0	0.42
14	Fluoride(asF)	Mg/l	1.0	1.5	0.14
15	Bactrological Test	per 100 ml	Should Be Zero		NIL

- 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.

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District Laboratory
PHE Sub Dn KATNI