

SUB DIVISION WATER TESTING LABORATORY

Public Health Engineering Department, Sagar (M.P.)

No.

/Lab

Khurai

Dated :

19/1/24

ANALYSIS REPORT

1. PARTICULARS

2. PARTICULARS OF SAMPLES :

A. Name and Address

To, Principal
New Ashwini
School, Khurai

Place of collection :

Collected By :

Date :

B. Reference No.

(i)

(ii)

(iii)

(iv)

(v)

3. PARTICULARS TO BE FILLED IN THE LABORATORY

A. Date and Time of Receipt

18/1/24

(B) TESTED ON

B. Laboratory Reference No.

(D) CHEMICAL / BACTERIOLOGICAL

NATURE OF STUDY

S. No.	CHARACTERISTICS	UNITS	Limits as per manual on Water Supply and Treatment prepared & published by CPHEEO New Delhi		RESULTS				
			ACCEPTABLE	CAUSE FOR REJECTION	I	II	III	IV	V
	PHYSICAL								
1.	Temperature	$^{\circ}\text{C}$	—	—	18 $^{\circ}\text{C}$				
2.	Turbidity	JTU	2.5	10	1.0				
3.	Colour	Pt. Cobalt Scale	5.0	25	clear				
4.	Taste and Odour	—	Unobjectionable	Unobjectionable	—				
	CHEMICAL								
5.	pH	pH Scale	7 to 8.5	6.5 to 9.2	7.1				
6.	Conductivity	Micromhos/cm	—	—	—				
7.	Alkalinity	mg/l	200	600	128				
	(a) Phenolphthaleine	—	—	—	—				
	(b) Total Free CO_2	—	—	—	—				
8.	Chlorides	mg/l	200	1000	95				
9.	Nitrites	"	—	—	—				
10.	Nitrates	"	45	100	5.2				
11.	Total Hardness (as CaCO_3)	"	200	600	360				
12.	Calcium (as Ca)	"	75	200	58				
13.	Magnesium (as Mg)	"	>30	150	12.6				
14.	Total Solids		—	—	—				
	(a) Dissolved	mg/L	500	1500	596.1				
	(b) Suspended	—	—	—	—				
15.	Iron (as Fe)	—	0.1	1.0	0.12				
16.	Manganese (as Mn)	—	0.05	0.5	0				
17.	Fluorides (as F)	—	1.0	1.5	0.14				
18.	Sulphaes (as SO_4)	—	200	400	17.2				
19.	Dissolved Oxygen	"	—	—	—				
20.	C.O.D.	"	10	—	—				
21.	B.O.D.	mg/L	6	—	—				
22.	Coagulant Dose	"	—	—	—				
23.	Residual Cl_2	"	—	—	—				

Note :

The figures indicated under column "acceptable" in the tabel given are the limits upto which the water is generally acceptable to the consumers.

Figures in excess of those mentioned under "acceptable" render the water not acceptable but still may be tolerated in the absence of alternative and better source but upto the limits indicated