

# DISTRICT WATER TESTING LABORATORY

Public Health Engineering Division Sehore (M.P)

## ANALYSIS REPORT

Type of sample :- पेयजल

PARTICULAR OF SENDER :-

Ref. No. .... Date 22/10/19

PARTICULARS OF SAMPLE

Sample collected / Not Collected by Distt. Lab

Sample No.	Place of collection and details of sample	Date
1	TW Rukhmuni Devi public school - Akherkheda - - Dist - Sehore	22/10/19

PARTICULARS TO BE FILLED IN THE LABORATORY

Date of Receipt 22/10/19

Time of Receipt 11:40 AM

Lab Reference No. ....

Tested on 22/10/19

### NATURE OF STUDY - CHEMICAL & BACTERIOLOGICAL ANALYSIS

NATURE OF STUDY - CHEMICAL & BACTERIOLOGICAL ANALYSIS										
No.	Characteristics	Unit	As per BIS-10500:2012 For Drinking Water		Sample Results					
			Requirement (desirable limit)	Permissible limit in the absence of alternate source	Sample	Sample	Sample	Sample	Sample	Sample
					1					
PHYSICAL TEST										
1	Temperature	OC	.....	.....	23.5					
2	Turbidity	NTU	1.0	5.0	4.3					
3	Color	Hazan Units	5	15	Nil					
4	odour	.....	Unobjectionable	objectionable	Nil					
CHEMICAL TESTS										
5	PH	PH Scale	6.5 to 8.5	No Relaxation	7.73					
6	Total Hardness As CaCO <sub>3</sub>	Mg/L	200	600	468					
7	Calcium, as Ca.	Mg/L	75	200	115.2					
	magnesium as Mg.	Mg/L	50	100	43.2					
8	Total Alkalinity as CaCO <sub>3</sub>	Mg/L	200	600	316					
9	Chloride as Cl	Mg/L	250	1000	438					
10	Nitrate as NO <sub>3</sub>	Mg/L	45	45	15					

11	Total Dissolved Solids	Mg/L	500	2000	1140					
12	Iron	Mg/L	1.0	1.0	0.3					
13	Sulphate as $\text{SO}_4$	Mg/L	200	400	-					
14	Fluoride as F	Mg/L	1.0	1.5	0.789					
15	Manganese as Mn	Mg/L	0.1	0.3	-					
16	Residual Chlorine as $\text{Cl}_2$	Mg/L	0.2	1.0	-					
17	Arsenic as As	Mg/L	0.01	0.01	-					
BACTERIOLOGICAL TEST										
18	MPN of Coliform	per 100 ml	NIL		-					
19	Faecal Coliform	per 100 ml			-					

Notes : 1- This report should not be produced partly or full without approval of signatory authority for legal purposes.

2- The figures indicated under the column requirement (Desirable limit) the limits into which water is generally acceptable to the consumers figures in excess of those mentioned under requirement (Desirable limit) 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 "Permissible limit in the absence of alternate source " above which the source will have to be rejected. (Guideline values for drinking water as per BIS 10500 -2012 reaffirmed in sep-2018)

In all water intended for drinking E.Coli or thermo tolerant coliform bacteria must not be detectable in any 100 ml sample.

Treated water entering in / in distribution system drinking E. Coli or thermo tolerant coliform bacteria and total coliform bacteria must not be detectable in any 100 ml sample. In case of large supplies , where sufficient samples are examined , must not be present in 95% of samples taken through out any 12 month period.

Remark.

ANALYST

Copy forwarded to :-

1. The Executive Engineer P.H.E Division Sehare

2. *The Principal, Rukhmani Devi Public School for information.*

3. ....

4. ....

*for*  
*[Signature]*  
CHEMIST

District water Testing Lab  
P.H.E Division Sehare