



TC-16421

State Research Laboratory, (SRL)
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Format No. SRL/PHED/BPL/4

U.R.No.	TC	1	6	4	2	1	2	1	0	0	0	0	0	0	0	1	6	5	7
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Test Report

Nature of sample :- Drinking Water Sample / Others	Not sampled by State Research Lab	Unique Identification No.	344
Sender's name and address	Sender's letter no.	Sender's letter Date	18/09/25
प्रति, केन्द्रीय विद्यालय क.02 शिवाजी नगर भोपाल.	SRL Ref. No	SRL receipt date	18/09/25
	Date of analysis started	Date of analysis completed	23/09/25
	Quantity Of sample	Ok	

Sample details

No.	Particulars of Samples
1.	R.O. WATER SAMPLE

RESULTS

Field.. Testing		Discipline..Chemical	Group..Water		Sub. Group..Drinking Water				
No.	Characteristics/ Unit	test methods	BIS -10500:2012 Reaffirmed in Sep 2022		Results				
			Desirable Limit	Permissible Limit	1	2	3	4	5
1	2	3	4	5	1	2	3	4	5
1	Colour in Hazen scale	-	5	15	BDL	-	-	-	-
2	Nitrate as NO3 mg/l	APHA 24 th edition,4500 NO ₃ -B	45	45	4.210	-	-	-	-
3	Fluoride as F mg/l	APHA 24 th edition,4500-F-C	1.0	1.5	0.18	-	-	-	-
4	Chloride as Cl mg/l	APHA 24 th edition,4500 Cl-B	250	1000	32	-	-	-	-
5	Total Alkalinity as CaCO ₃ mg/l	APHA 24 th edition, 2320 B	200	500	140	-	-	-	-
6	Calcium as Ca++ mg/l	APHA 24 th edition, 3500 Ca-B	75	200	49.7	-	-	-	-
7	Magnesium as Mg++ mg/l	APHA 24 th edition, 3500 Mg-	30	100	17.1	-	-	-	-
8	Sulphate as SO4 mg/l	BIS:3025 (Part -24)	200	400	8.73	-	-	-	-
9	pH pH Value at 25°C	APHA 24 th edition 4500-H + B	6.5 to 8.5	6.5 to 8.5	7.44	-	-	-	-
10	Turbidity in NTU	APHA 24 th edition, 2130 B	1.0	5.0	2.1	-	-	-	-
11	Total hardness as CaCO3 mg/l	APHA 24 th edition, 2340 C	200	500	195.4	-	-	-	-
12	Conductivity at 25°C (S/m)	APHA 24 th edition, 2510 B	-	-	509	-	-	-	-
13	TDS By meter mg/l	APHA 24 th edition,2510 B	500	2000	300	-	-	-	-

- This report should not be produced partly or full without approval of signatory authority for legal purposes.
- It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but upto the limits indicated under the "permissible limit in the absence of alternate source" in column 4, above which the sources will have to be rejected.
- The results refer only to tested samples and parameters tested
- Samples will be stored for a period of 15 days from the date of issue of report.
- This lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.

Reviewed By

for Sachin

(Sachin Yadav)

Quality manager

STATE RESEARCH LABORATORY
P. H. E. DEPARTMENT BHOPAL

Issue No. 487 /S.R.L./PHED/BPL/2025 Issue Date 23/09/2025

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End of Report

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Format No. SRL/PHED/BPL/4.1

Test Report

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab		Unique Identification No.	344-A
Sender's name and address		Sender's letter no.		Sender's letter Date	18/09/25
प्रति, केन्द्रीय विद्यालय क.02 शिवाजी नगर भोपाल.		SRL Ref. No	431	SRL receipt date	18/09/25
		Date of analysis started	18/09/25	Date of analysis completed	23/09/25
		Quantity Of sample	Ok		

Sample details

No.	Particulars of Samples
1.	R.O.WATER SAMPLE

RESULTS

Field.. Testing		Discipline..Chemical test methods	Group..Water BIS -10500:2012 Reaffirmed in Sep 2022		Sub. Group..Drinking Water Results				
No.	Characteristics/ Unit		Desirable Limit	Permissible Limit	1	-	-	-	-
1	2	3	4	5	25°C	-	-	-	-
1	Temperature in degree C	-	-	-	0.31	-	-	-	-
2	Iron as Fe mg/l	APHA 24 th edition, 3500-Fe B	0.3	No Relaxation	BDL	-	-	-	-
3	Manganese as Mg/l	Mn APHA 24 th edition 3500-mn-B	0.1	0.3	-	-	-	-	-
4	Odour	-	Objectionable	Unobjectionable	-	-	-	-	-
5	Phenolphthalein Alkalinity as caCO3mg/l	APHA 24 th edition, 2320 B	-	-	-	-	-	-	-
6	Sodium as Na mg/l	APHA 24 th edition, 3500 -Na B	-	-	-	-	-	-	-
7	Potassium as K mg/l	APHA 24 th edition, 3500 -K B	-	-	-	-	-	-	-
8	Dissolved Oxygen mg/l	-	-	-	-	-	-	-	-
9	Chemical Oxygen Demand (COD)mg/l	-	-	-	-	-	-	-	-
10	Biological Oxygen Demand (BOD) mg/l	-	-	-	-	-	-	-	-
11	Jar Test for Alum & lime dosing fixation mg/l	-	-	-	-	-	-	-	-
12	Purity of Alum	-	-	-	-	-	-	-	-
13	Purity of Lime	-	-	-	-	-	-	-	-
14	Purity of Bleaching	-	-	-	-	-	-	-	-
15	Chlorine test Demand	-	-	-	-	-	-	-	-
16	Ecoli	APHA 24 th edition, 9223 B	NIL	NIL	NIL	-	-	-	-
17	Total coliform per 100 ml	APHA 24 th edition, 9223 B	NIL for treated water and water in distribution system	NIL	-	-	-	-	-
18	Residual chlorine	-	1	0.2	-	-	-	-	-

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2. It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but upto the limits indicated under the permissible limit in the absence of alternate source" in column 4, above which the sources will have to be rejected.
3. The results refer only to tested samples and parameters tested
4. Samples will be stored for a period of 15 days from the date of issue of report.
5. The lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.
6. This report show only Non NABL parameters.

Reviewed by

(Sachin Yadav)

Quality manager

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End of Report