



TC-6693

District Water Testing Laboratory

Public Health Engineering Department, Division-Rajnandgaon (C.G.)
e-mail -: phelabraj@gmail.com Phone No. - 07744 - 224035

Test Report - Chemical

ULR- TC66932400000002F

Report No. - RJN/02/02.04.24	Sampled by :- Dehli Public School Rajnandgaon
/amendment date 05.02.24	
Sample Code :- 02	Sampled On :- 01.04.24
Sample Name :- Drinking Water	Quantity of Sample :- 1Ltr/Sample
Sender's Letter No. :- 2832	Sender's Letter Date : 01.04.24
Sample Condition :- Good	Sample Received On :- 01.04.24
Test Started on:- 01-04-2024	Test Completed On :- 02.04.24

Sample Details

S.No.	Block	Sample I.D.	Village	Location	Source Discription
1	Rajnandgaon	02/05/Apr/24	Rajnandgaon	Dehli Public School	Tap water

Details of parameters, their test methods, units and specifications as per IS:3025 /APHA

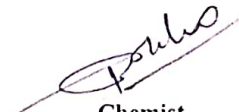
Sr. No.	Characteristics	Unit of Measurement	Test method IS 3025 / APHA 24th edition		Acceptable Limit	Permissible Limit in the absence of alternate source	Result of
			Method	Part No.			02/05/Apr/24
1	Turbidity	N.T.U.	IS:3025	10	1	5	3
2	Colour	Hazen	APHA	2120- B	5	15	5
3	Odour	....	IS:3025	5	Agreeable	Agreeable	Agreeable
4	Taste	....	IS:3025	8	Agreeable	Agreeable	---
5	pH value	....	IS:3025	11	6.5-8.5	No Relaxation	7.3
6	Total Alkalinity as CaCO ₃	mg/l	IS:3025	23	200	600	78
7	Spe. Conductivity @25°C	µmho/cm	IS:3025	14	-	-	225
8	Total Dissolved Solids At 180°C ± 2°C	mg/l	IS:3025	16	500	2000	150
9	Chloride as Cl ⁻	mg/l	APHA	4500 - Cl-B	250	1000	16
10	Total Hardness as CaCO ₃	mg/l	IS:3025	21	200	600	57

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Sr. No.	Characteristics	Unit of Measurement	Test method IS 3025 / APHA 24th edition		Acceptable Limit	Permissible Limit in the absence of alternate source	Result of	
			Method	Part No			02/05/Apr/24	
11	Calcium (As Ca^{2+})	mg/l	IS:3025	40	75	200		20
12	Magnesium (As Mg^{2+})	mg/l	APHA	3500 - Mg-B	30	100		1
13	Nitrates as NO_3^- (Screening Method)	mg/l	APHA	4500- NO_3^- -B	45	No Relaxation		Nil
14	Iron as Fe^{2+}	mg/l	APHA	3500-Fe-B	1	No Relaxation		Nil
15	Manganese (As Mn^{+})	mg/l	APHA	3500-Mn-B	0.1	0.3		Nil
16	Sulphates as SO_4^{2-}	mg/l	IS:3025	24	200	400		12.5
17	Fluorides as F^-	mg/l	APHA	4500-F-C	1	1.5		Nil
18	Arsenic as As	mg/l	IS:3025	37	0.01	No Relaxation		Nil

Terms & Condition :-

- 1 The report should not be produced partly or full without approval of signatory authority of legal purpose.
- 2 The results refer only to tested samples and parameters.
- 3 Samples will be stored for a period of 10 days from date of issue of report.
- 4 Results apply to the sample as received.
- 5 Sampling not done by Laboratory's Staff
- 6 The Laboratory does not give interpretation on test result passed/failed.


Chemist
(Purnima Mishra)
Authorized Signatory

END OF THE REPORT

District Water Testing Laboratory
Public Health Engineering Department, Division-Rajnandgaon (C.G.)
e-mail -: phelabraj@gmail.com Phone No. - 07744 - 224035
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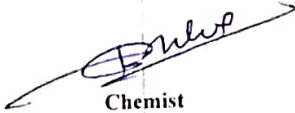
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Details of parameters, their test methods, units and specifications as per IS:3025 /APHA

S.No.	Characteristics	Unit of Measurement	Test method IS 3025 / APIIA 24th edition		Acceptable Limit	Permissible Limit in the absence of alternate source	Result of
			Method	Part No.			02/05/Apr/24
1	Residual chlorine	mg/l	IS:3025	26	0.2	1	---
2	Fecal coliform	CFU/100	APIIA	9222 B	Nil	Nil	100

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Chemist
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Authorized Signatory

END OF THE REPORT

District Water Testing Laboratory
(National Rural Drinking Water Programme)
Public Health Engineering Division - Rajnandgaon

PROFORMA BILL


Memo No. 332

Date - 03/04/24

To,
Dehli Public School,
Rajnandgaon(C.G.)

S. No.	Characteristics ,Unit and test method	Individual Rate	Package Rate	Required
	No. of Sample -		I (One)	
1	Odour IS 3025 Part No. 5	1	50	50
2	Color IS 3025 Part No. 4	1		
3	pH IS 3025 Part No. 11	1		
4	Total Dissolved Solids, IS 3025 Part No. 16	1		
5	Turbidity in NTU, IS :3025 Part No. 10	5		
6	Total Alkalinity as CaCO ₃ in mg/l, IS :3025 Part No. 23	20		
7	Total hardness as CaCO ₃ in mg/l, IS: 3025 Part No. 21	20		
8	Residual chlorine, mg/l as free chlorine*	1			0
9	Chloride as Cl in mg/l, APHA 24th edition, 4500 Cl-B	50	50	50
10	Sulphate as SO ₄ ⁻ in mg/l, IS:3025 Part No. 24	50	50	50
11	Iron as Fe in mg/l, APHA 24th edition, 3500-Fe	50	50	50
12	Arsenic IS: 3025 Part No. 37	100	100	100
13	Fluoride as F in mg/l, APHA 24th edition ,4500-F-C	50	50	50
14	Nitrate as NO ₃ ⁻ in mg/l, APHA24th edition,4500 NO3- B	50	50	50
15	Total Coliform Bacteria per 100 ml, APHA 24th edition 9222B*	100	100	....
16	E Coli per 100 ml, APHA 24th edition*	100	100	100
17	Spe. Conductivity at 25°C in micro mhos /cm , IS: 3025 Part No. 14	20	20.00	20
18	Calcium as Ca ⁺⁺ , in mg/l, IS: 3025 Part No. 40	50	50.00	50
19	Magnesium as Mg ⁺⁺ , in mg/l APHA 24th edition,3500 Mg B	50	50.00	50
20	Manganese as Mn +, APHA 24th edition, 3500-Mn - B	100	100.00	100
Total		820	820.00	100
Grand Total			820.00	720

Note :- 1. Please make DD (SBI or any Nationalised Bank) in favour of Executive Engineer, Public Health


Assistant Engineer
PHE-Sub Dn.
Sub Dn. Rajnandgaon (C.G.)