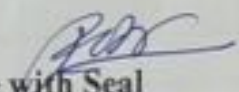


**CERTIFICATE REGARDING SAFE DRINKING WATER AND
SANITARY CONDITION CERTIFICATE**

No.-497

Date-09-6-2023

It is certificate that an inspection team headed by P. C. Jain Assistant Engineer, P.H.E., G.W.R. Sub Dn. Jagdalpur of P.H.E., G.W.R. Sub Dn. Jagdalpur inspected *Nirmal Higher Secondary School Lalbag, Jagdalpur* on 13-06-2023 and found that *Nirmal Higher Secondary School Lalbag, Jagdalpur* has safe drinking water facilities for student an members of staff is maintaining hygienic sanitation condition in the school and the campus as per the norms prescribed by the Central/State/Union Terriory Government.


Singnature with Seal

Assistant Engineer
Public Health Engg.
Ground Water Recharge Sub-Dn.
JAGDALPUR (C.G.)

Name : P. C. Jain

Desgnation : Assistant Engineer

To

Nirmal Higher Secondary
School Lalbag Jagdalpur
Distt. Bastar (C.G.)

Format No.- DL/PHED/JDP/4.1



TC-10094

District Water Testing Laboratory
Public Health Engineering Department, Division-Jagdalpur (C.G.)

Near Collectorate Road, Pin Code – 494001

e-mail -: phelabjdp@gmail.com

Test Report**Group- Drinking Water**

Report No. - DL/PHED/JDP/193	TC10094220000000193F	Sampled by – Mr. Besil Prakash Parera	
Sender's Name and Address :- Nirmal Higher Secondary School Jagdalpur.	Sender's letter No. :	Q	Sender's Letter Date : 12-06-2023
	DL Receipt No. :	78	DL Receipt Date : 12-06-2023
	Date of Analysis started :	13-06-2023	Date of Analysis Completed : 13-06-2023

Sample Details

Sr.no	Block	Sample ID	Village	Location / Source
1	Jagdalpur	78/726/June23	Jagdalpur	Nirmal Higher Secondary School

Details of parameters, their test method, units and specification as per IS 3025/APHA

Results

Sr. No.	Characteristics	Unit of Measurement	Test method IS 3025 /APHA 23 rd edition		1				
			Method	Part No.					
1	Turbidity	NTU	IS 3025	10	1.4				
2	Colour	Hazen	IS 3025	04	5				
3	Odour		IS 3025	05	Agreeable				
4	pH	pH Scale	IS 3025	11	7.22				
5	Total Alkalinity as CaCO ₃	mg/L	IS 3025	23	162.81				
6	Total Dissolved Solid at 180°C±2°C	mg/L	IS 3025	16	330				
7	Chloride as Cl ⁻	mg/L	IS 3025	32	13.16				
8	Total Hardness as CaCO ₃	mg/L	IS 3025	21	180.32				
9	Calcium as Ca ²⁺	mg/L	IS 3025	40	69.55				
10	Magnesium as Mg ²⁺	mg/L	APHA	3500-Mg-B	1.64				
11	Fluoride as F ⁻	mg/L	APHA	4500-F-C	0.16				

- The report should not be produced partly or full without approval of signatory authority of legal purpose.
- It is recommended that acceptable limit is to be implemented. Value 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 7, above which the sources will have to be rejected.
- The results refer only to tested samples and parameters.
- This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
- Samples will be stored for a period of 10 days from date of issue of report.

Remark:- 1. Results apply to the sample as received.
 2. Sampling not done by Laboratory's Staff.

Laboratory issue no. 193/Lab/Date:- 13-06-2023

Abdul Haleem

Authorized Signatory (NABL)

Format No.- DL/PHED/JDP/4.1

District Water Testing Laboratory
Public Health Engineering Department, Division-Jagdarpur (C.G.)

Near Collectorate Road, Pin Code – 494001

e-mail :- phelabjdp@gmail.com

Test Report

Group- Drinking Water

Report No. - DL/PHED/JDP/193	TC10094220000000193F	Sampled by – Mr. Besil Prakash Parera		
Sender's Name and Address :- Nirmal Higher Secondary School Jagdarpur.	Sender's letter No. :	Q	Sender's Letter Date :	12-06-2023
	DL Receipt No. :	78	DL Receipt Date :	12-06-2023
	Date of Analysis started :	13-06-2023	Date of Analysis Completed :	13-06-2023

Sample Details

Sr.no	Block	Sample ID	Village	Location / Source
1	Jagdarpur	78/726/June23	Jagdarpur	Nirmal Higher Secondary School

Details of parameters, their test method, units and specification as per IS 3025/APHA					Results				
Sr. No.	Characteristics	Unit of Measurement	Test method IS 3025 /APHA 23 rd edition		1				
			Method	Part No.					
1	Spec. Conductivity	µS/cm	IS 3025	14	330				
2	Nitrate as NO ₃ ⁻ (Screening Method)	mg/L	APHA	4500-NO ₃ -B	-				
3	Iron as Fe	mg/L	APHA	3500-Fe-B	0.2				
4	Manganese as Mn ⁺	mg/L	APHA	3500-Mn-B	-				
5	Sulphate as SO ₄ ²⁻	mg/L	IS 3025	24	-				
6	Residual Chlorine	mg/L	IS 3025	26	-				
7	E. Coli	CFU/100ml	APHA	9222 B	-				

1. The report should not be produced partly or full without approval of signatory authority of legal purpose.
2. It is recommended that acceptable limit is to be implemented. Value 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 7, above which the sources will have to be rejected.
3. The results refer only to tested samples and parameters.
4. This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
5. Samples will be stored for a period of 10 days from date of issue of report.

Remark:- 1. Results apply to the sample as received.
2. Sampling not done by Laboratory's Staff.

Laboratory issue no. 193/Lab/Date:- 13-06-2023

NABL Report Limit

Details of parameters, their test method, units and specification as per IS 3025/APHA					As Per IS - 10500-2012 (Second Revision) For Drinking Water	
Sr. No.	Characteristics	Unit of Measurement	Test method IS 3025 /APHA 23 rd edition		Acceptable Limit	Permissible Limit in the absence of alternate source
			Method	Part No.		
1	Turbidity	NTU	IS 3025	10	1	5
2	Colour	Hazen	IS 3025	04	5-15	No Relaxation
3	Odour		IS 3025	05	Agreeable	Agreeable
4	pH	pH Scale	IS 3025	11	6.5-8.5	No Relaxation
5	Total Alkalinity as CaCO ₃	mg/L	IS 3025	23	200	600
6	Total Dissolved Solid at 180°C±2°C	mg/L	IS 3025	16	500	2000
7	Chloride as Cl ⁻	mg/L	IS 3025	32	250	1000
8	Total Hardness as CaCO ₃	mg/L	IS 3025	21	200	600
9	Calcium as Ca ²⁺	mg/L	IS 3025	40	75	200
10	Magnesium as Mg ²⁺	mg/L	APHA	3500-Mg-B	30	100
11	Fluoride as F ⁻	mg/L	APHA	4500-F-C	1.0	1.5

Non - NABL Report Limit

Details of parameters, their test method, units and specification as per IS 3025/APHA					As Per IS - 10500-2012 (Second Revision) For Drinking Water	
Sr. No.	Characteristics	Unit of Measurement	Test method IS 3025 /APHA 23 rd edition		Acceptable Limit	Permissible Limit in the absence of alternate source
			Method	Part No.		
1	Spec. Conductivity	µS/cm	IS 3025	14	500	2000
2	Nitrate as NO ₃ ⁻ (Screening Method)	mg/L	APHA	4500-NO ₃ -B	45	No Relaxation
3	Iron as Fe	mg/L	APHA	3500-Fe-B	1.0	No Relaxation
4	Manganese as Mn ⁺	mg/L	APHA	3500-Mn-B	0.1	0.3
5	Sulphate as SO ₄ ²⁻	mg/L	IS 3025	24	200	400
6	Residual Chlorine	mg/L	IS 3025	26	0.2	1
7	E. Coli	CFU/100ml	APHA	9222 B	Nil	Nil