APPENDIX – VIII

CERTIFICATE REGARDING SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.- 182 Date- 14-03-2023

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* ***DAV MUKHYA MANTRI, PUBLIC SCHOOL KARMARI, BLOCK BASTAR*** *on* ***14.03.2023*** *and found that* ***DAV MUKHYA MANTRI, PUBLIC SCHOOL KARMARI BLOCK BASTAR*** *has safe drinking water facilities for student and 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.*

Expire on – ***14.03.2024***

Signature with Seal :

Name :

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

Desgnation :

To

Principal,
DAV MUKHYA MANTRI,
PUBLIC SCHOOL
KARMARI, BLOCK BASTAR
Distt. Bastar (C.G.)

(Name and Address of the Institution)

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/72	TC10094220000000072F		Sampled by – Subham		
Sender's Name and Address :- DAV Mukhya Mantri Public School Karmari Bastar.	Sender's letter No. :		Q	Sender's Letter Date :	13-03-23
	DL Receipt No. :		448	DL Receipt Date :	13-03-23
	Date of Analysis started :		14-03-23	Date of Analysis Completed :	14-03-23

Sample Details

Sr.no	Block	Sample ID	Village	Location / Source
1	Bastar	448/3846/Mar23	Karmari	Parchanpal

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 23rd edition		1					
			Method	Part No.						
1	Turbidity	NTU	IS 3025	10	**1.2**					
2	Colour	Hazen	IS 3025	04	**5**					
3	Odour		IS 3025	05	**Agreeable**					
4	pH	pH Scale	IS 3025	11	**7.16**					
5	Total Alkalinity as $CaCO_3$	mg/L	IS 3025	23	**96.96**					
6	Total Dissolved Solid at 180°C±2°C	mg/L	IS 3025	16	**88**					
7	Chloride as Cl^-	mg/L	IS 3025	32	**19.95**					
8	Total Hardness as $CaCO_3$	mg/L	IS 3025	21	**118.20**					
9	Calcium as Ca^{2+}	mg/L	IS 3025	40	**24.47**					
10	Magnesium as Mg^{2+}	mg/L	APHA	3500-Mg-B	**13.83**					
11	Fluoride as F^-	mg/L	APHA	4500-F- C	**0.14**					

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. 72/Lab/Date:- 15-03-2023

Abdul Haleem
Authorized Signatory (NABL)

Format No.- DL/PHED/JDP/4.1

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

Near Collectorate Road, Pin Code – 494001
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Test Report

Group- Drinking Water

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Sr.no	Block	Sample ID	Village	Location / Source
1	Bastar	448/3846/Mar23	Karmari	Parchanpal

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 23rd edition		1					
			Method	Part No.						
1	Spec. Conductivity	µS/cm	IS 3025	14	**135.5**					
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. 72/Lab/Date:- 15-03-2023

Hemant Kashyap
Chemist

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 23rd 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 23rd 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