### 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 Ground Water Recharge Sub-Bn. JAGDALPUR (C.G.)

**Desgnation**:

To

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

(Name and Address of the Institution)

LOI	rmat No DL/PHED/JD	P/4.1				19.19				
(	अगरीयन प्रमान		<b>District Water Testing Laboratory</b> Health Engineering Department, Division-Jagdalpur (C.G.) Near Collectorate Road, Pin Code – 494001							
7	The state way and			e-ma	ail -: phel	abjdp@gr	nail.com			
	•भारत•				Tes	t Report			12	
				Group- Drinking Water						
_	TC-10094									
Ren	ort No DL/PHED/JDP/72		TC10004	220000000	0725	Sampled	y Subham	-		
Sender's Name and Address :-							l by – Subham Sender's Letter Date : 13-03-23			
	V Mukhya Mantri Public Sch		protection and a second second second second second			Q			13-03-23	
	mari Bastar.	DL Receipt No. : Date of Analysis sta			448 ted : 14-03-23		DL Receipt Date : Date of Analysis Completed :		13-03-23 14-03-23	
-		100	Date Of A		Details	14-03-23	Date of An	arysis completed :	14-03-23	
Sr.no	Block	S				illage	Location / Source			
1	Bastar		8/3846/Mar23			ırmari	Parchanpal			
_						-				
-			-				-			
Det	tails of parameters, their test me 3025	ethod, units and s 5/APHA					Resu	ilts		
Sr. No.	Characteristics	Unit of Measureme	IS 302 23 <sup>rd</sup>	method 25 /APHA dedition 1				1400		
			+		1					
		wiedstreinen	t Method	Part No.	1					
1	Turbidity	NTU	t	Part	1.2					
1 2	Turbidity Colour		t Method IS	Part No.						
-		NTU	t Method IS 3025 IS	Part No. 10	1.2					
2	Colour	NTU	t Method IS 3025 IS 3025 IS	Part No. 10 04	1.2					
2 3	Colour Odour	NTU Hazen	t Method IS 3025 IS 3025 IS 3025 IS IS	Part No. 10 04 05	1.2 5 Agreeable					
2 3 4	Colour Odour pH	NTU Hazen pH Scale	t Method IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025	Part No. 10 04 05 11	1.2 5 Agreeable 7.16					
2 3 4 5	Colour Odour pH Total Alkalinity as CaCO <sub>3</sub>	NTU Hazen pH Scale mg/L	t Method IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025	Part No. 10 04 05 11 23	1.2 5 Agreeable 7.16 96.96					
2 3 4 5 6	Colour Odour pH Total Alkalinity as CaCO <sub>3</sub> Total Dissolved Solid at 180°C±2°C	NTU Hazen pH Scale mg/L mg/L	t Method IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025	Part No. 10 04 05 11 23 16	1.2 5 Agreeable 7.16 96.96 88					
2 3 4 5 6 7	Colour Odour pH Total Alkalinity as CaCO <sub>3</sub> Total Dissolved Solid at 180°C±2°C Chloride as Cl <sup>-</sup> Total Hardness as CaCO <sub>3</sub> Calcium as Ca <sup>2+</sup>	NTU Hazen pH Scale mg/L mg/L mg/L	t Method IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS	Part No. 10 04 05 11 23 16 32 21 40	1.2 5 Agreeable 7.16 96.96 88 19.95					
2 3 4 5 6 7 8	Colour Odour pH Total Alkalinity as CaCO <sub>3</sub> Total Dissolved Solid at 180°C±2°C Chloride as Cl <sup>-</sup> Total Hardness as CaCO <sub>3</sub>	NTU Hazen pH Scale mg/L mg/L mg/L mg/L	t Method IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS 3025 IS	Part No. 10 04 05 11 23 16 32 21	1.2 5 Agreeable 7.16 96.96 88 19.95 118.20					

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)

2

Page no. .....of...

Format "o.- DL/PHED/JDP/4.1

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

2

Near Collectorate Road, Pin Code - 494001

e-mail -: phelabjdp@gmail.com

#### Test Report

#### Group- Drinking Water

Report No DL/PHED/JDP/72			TC1009422000000072F			Sampled by – Subham				
Send	ler's Name and Address :-	6-11 (A)	Sender	's letter No.	:	Q	Sender's	Letter Date :	13-03-23	
DAV Mukhya Mantri Public School Karmari		DL Receipt No. :			448	DL Receipt Date :		13-03-23		
Bast	ar.			f Analysis s	tarted :	14-03-23		Analysis Completed :	14-03-23	
					e Details					
Sr.no	Block	San	ple ID			lage		Location / Source		
1			448/3846/Mar23		Karmari		Parchanpal			
_										
-										
Deta	ails of parameters, their test me 3025	ethod, units and spe 5/APHA	ecificatior	as per IS			Resu	ılts		
Sr. No.	Characteristics	Unit of	Test method IS 3025 /APHA 23 <sup>rd</sup> edition							
		Measurement	Method	Part No.	1					
1	Spec. Conductivity	μS/cm	IS 3025	14	135.5					
2	Nitrate as NO <sub>3</sub> (Screening Method)	mg/L	APHA	4500-NO <sub>3</sub> -B	-					
3	Iron as Fe	mg/L	APHA	3500- Fe- B	0.2					
4	Manganese as Mn <sup>+</sup>	mg/L	APHA	3500-Mn- B	-					
5	Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/L	IS 3025	24	-					
6	Residual Chlorine	mg/L	IS 3025	26	-		3			
7	E. Coli	CFU/ 100ml	АРНА	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

Page no. ..... of......

Det	ails of parameters, their test me 3025	As Per IS - 10500-2012 (Second Revision) For Drinking Water				
Sr. No.	Characteristics	Unit of Measurement	Test method IS 3025 /APHA 23 <sup>rd</sup> edition		Acceptabl	Permissibl e Limit in the
			Method	Part No.	e Limit	absence of alternate source
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	pН	pH Scale	IS 3025	11	6.5-8.5	No Relaxation
5	Total Alkalinity as CaCO <sub>3</sub>	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 <sup>-</sup>	mg/L	IS 3025	32	250	1000
8	Total Hardness as CaCO <sub>3</sub>	mg/L	IS 3025	21	200	600
9	Calcium as Ca <sup>2+</sup>	mg/L	IS 3025	40	75	200
10	Magnesium as Mg <sup>2+</sup>	mg/L	АРНА	3500-Mg- B	30	100
11	Fluoride as F	mg/L	APHA	4500-F- C	1.0	1.5

## NABL Report Limit

# Non - NABL Report Limit

Det	ails of parameters, their test mo 302:	As Per IS - 10500-2012 (Second Revision) For Drinking Water				
Sr.	Characteristics	Unit of Measurement	Test method IS 3025 /APHA 23 <sup>rd</sup> edition		Acceptab	Permissible Limit in the
No.			Method	Part No.	le Limit	absence of alternate source
1	Spec. Conductivity	μS/cm	IS 3025	14	500	2000
ź	Nitrate as NO <sub>3</sub> <sup>-</sup> (Screening Method)	mg/L	АРНА	4500-NO <sub>3</sub> -B	45	No Relaxation
3	Iron as Fe	mg/L	APHA	3500- Fe- B	1.0	No Relaxation
4	Manganese as Mn <sup>+</sup>	mg/L	APHA	3500-Mn- B	0.1	0.3
5	Sulphate as SO <sub>4</sub> <sup>2-</sup>	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