कार्यालय सहायक अभियंता
लोक स्वास्थ्य यांत्रिकी उपखण्ड
महासमुन्द (छ.ग.)

क्रमांक 141 लेब/स.अ./लो.स्वा.यां. उपखण्ड /महासमुन्द /2026 दिनांक 01/09/2026

प्रति,

प्राचार्य
केन्द्रीय विद्यालय
महासमुन्द

विषय :– जल परीक्षण रिपोर्ट भेजने बाबत्।
संदर्भ :– आपका पत्र का आवक क्रं. 258 दिनांक – 25.08.2026

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उपरोक्त विषयांतर्गत लेख है कि आपके द्वारा भेजे गए जल नमुना का परीक्षण उपरांत रिपोर्ट आपकी ओर प्रेषित है।

संलग्नः– रिपोर्ट 2 नग
बिल 0 नग

सहायक अभियंता
लोक स्वास्थ्य यांत्रिकी उपखण्ड
महासमुन्द (छ.ग.)

TC -17598

District Water Testing Laboratory
Public Health Engineering Department,Div. Mahasamund

Near collector office, Behind RTO office, BTI road, Mahasamund (C.G.) Pin Code- 493445
Phone – 07723-299140 Email ID - eemah-phe-cg @gov .in

ISO /IEC 17025 -2017 (NABL Accredited Laboratory)

Test Report (Drinking Water)

Report no. DL/PHED/MAH – 258	Discipline-: Chemical Testing	Group-:Drinking water	ULR No :- TC175980000000258F	
Senders name & address-: प्राचार्य केन्द्रीय विद्यालय महासमुन्द	Senders letter no./Date	-/25.08.2026	Sampled by	Customer
			Sampling Plan & procedure	Sampling not done by Lab staff
	DL receipt no.	258	DL Receipt date	25.08.2026
	Date of analysis started	25.08.2026	Date of analysis completed	25.08.2026
	Environmental Conditions	23 °C ± 5 °C	Physical Condition of Sample	Ok

Sample Details

S. N.	Sample ID	Block	City / Village	Habitation/Location/Source	Type of Sample
1	258/08/26/1542	Mahasamund	-	केन्द्रीय विद्यालय महासमुन्द	फिल्टर
2	258/08/26/1543	Mahasamund		केन्द्रीय विद्यालय महासमुन्द	बोर

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

S.N	Parameters	Test method IS:3025/APHA 24th ed.		Unit	As per IS-10500-2012 (Second Revision) Drinking water		Result of S.No					
		Method	Part no.		Acceptable limit	Permissible limit	1	2	3	4	5	6
1	2	3	4	5	6	7						
1	Chloride as Cl	APHA :2024	4500-Cl-B	mg/l.	250	1000	8.07	34.30	-	-	-	-
2	Total Dissolved solids	APHA : 2024	2540-C	mg/l.	500	2000	58	172	-	-	-	-
3	Alkalinity as CaCO3	APHA : 2024	2320-B	mg/l.	200	600	11.70	52.67	-	-	-	-
4	Calcium as Ca^{2+}	APHA : 2024	3500-Ca-B	mg/l.	75	200	8.11	30.82	-	-	-	-
5	Magnesium as Mg^{2+}	APHA : 2024	3500 Mg-B	mg/l.	30	100	3.93	9.39	-	-	-	-
6	pH	IS:3025 :2022	Part-11	pH scale	6.5-8.5	No relaxation	6.81	6.61	-	-	-	-
7	Turbidity	IS:3025 : 2023	Part-10	NTU	1	5	0.38	0.95	-	-	-	-
8	Total Hardness as CaCO3	APHA : 2024	2340-C	mg/l.	200	600	36.43	115.36	-	-	-	-
9	Taste	IS:3025 : 2023	Part-8	-	Agreeable	Agreeable	NA	NA	-	-	-	-
10	Odour	IS:3025 :2018	Part-5	-	Agreeable	Agreeable	Agr.	Agr.	-	-	-	-
11	Color	APHA : 2024	2120-B	Hazen	5	15	6	6	-	-	-	-

1. The report should not be produced partly or full without approval 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. This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
5. Agreeable is denoted by Agr.

Note - 1. Results apply to the sample as received.
2.The Laboratory does not give interpretation on Test result Passed/ Failed.
***NA – Not Analyzed**

Report Reviewed & approved by

(Ajay Kumar Prajapati)
Authorized Signatory

District Water Testing Laboratory
Public Health Engineering Department,Div. Mahasamund

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Phone – 07723-299140 Email ID -eemah-phe-cg @gov .in

Test Report (Drinking Water)

Report no. DL/PHED/MAH – 258	**Group-:**	**Drinking water**		
Senders name & address-: प्राचार्य केन्द्रीय विद्यालय महासमुन्द	**Senders letter no./Date**	**-/25.08.2026**	**Sampled by**	**Customer**
			Sampling Plan & procedure	**Sampling not done by Lab staff**
	DL receipt no.	**258**	**DL Receipt date**	**25.08.2026**
	Date of analysis started	**25.08.2026**	**Date of analysis completed**	**26.08.2026**
	Environmental Conditions	**23 °C ± 5 °C**		

Sample Details

S.N.	Sample ID	Block	City / Village	Habitation/Location/Source	Type of Sample
1	258/08/26/1542	Mahasamund	-	केन्द्रीय विद्यालय महासमुन्द	फिल्टर
2	258/08/26/1543	Mahasamund	-	केन्द्रीय विद्यालय महासमुन्द	बोर

S. N	Parameters	Test method IS:3025/APHA 24th ed.		Unit	As per IS-10500-2012 (Second Revision) Drinking water		Result of S.No					
		Method	Part no.		Acceptable limit	Permissible limit	1	2	3	4	5	6
1	2	3	4	5	6	7						
12	Fluoride as F^-	APHA :2024	4500-F-C	mg/L	1	1.5	0.126	0.107	-	-	-	-
13	Residual Chlorine	-	-	mg/L	0.2	1	0.0	0.0	-	-	-	-
14	Sulphate as SO_4^{2-}	IS:3025	Part- 24	mg/L	200	400	20.2	11.7	-	-	-	-
15	Nitrate as NO_3	APHA :2024	4500-NO_3 -B	mg/L	45	45	16.76	18.26	-	-	-	-
16	Iron as Fe	APHA :2024	3500-Fe-B	mg/L	1.0	1.0	0.237	0.391	-	-	-	-
17	E.coli	APHA :2024	9222-J	CFU/100 ml	Nil	Nil	Nil	Nil	-	-	-	-

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4. This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.

Note- 1. Results apply to the sample as received.

CHEMIST
Water Testing Laboratory
P.H.E Sub Div. Mahasamund (C.G)