

कार्यालय कार्यपालन अभियंता
लोक स्वास्थ्य यांत्रिकी खंड, राजेन्द्र पार्क चौक, दुर्ग (छ.ग.)

दूरभाष क्र. 0788-2323633,

E-mail:eedurg-phe-cg@nic.in

क्रमांक 612...../लेब./का.अ./लो.स्वा.यां.खंड/2024

दुर्ग, दिनांक-

प्रति,

19/2/2024

Principal
St. Xavier's Hr.Sec.School Shanti Nagar,
Supela Bhilai, Distt- Durg (C.G.)

विषय:- जल परीक्षण रिपोर्ट भेजने बाबत ।

संदर्भ:- आपका पत्र क्र. SXS/app/009/2024/दिनांक 15.02.2024

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उपरोक्त विषयांतर्गत लेख है कि आपके द्वारा जमा किया गया St.Xavier's Hr.Sec.School Shanti Nagar Supela Bhilai, Durg का जल नमूना परीक्षण उपरांत रिपोर्ट आपकी ओर प्रेषित है ।

सहपत्र- 02 नग रिपोर्ट ।

Harob

सहायक अभियंता

WSS कार्यालय- कार्यपालन अभियंता
लोक स्वास्थ्य यांत्रिकी खण्ड दुर्ग (छ.ग.)

District Water Testing Laboratory
Public Health Engineering Division Durg Chhattisgarh

Format Id- DL/PHED/DRG/F/4.1

Near Rajendra Park Chowk

E-mail eedurg-phe-cg@mail.nic.in ,Phone 0788-2323633

Test Report
Group- Drinking Water

		ULR No.:- TC75022400000073F		Sample Collected by- St. Xavier's Hr.Sec.School Shanti Nagar, Supela Bhilai,	
Sender's Name and Address:- Principal St. Xavier's Hr.Sec.School Shanti Nagar, Supela Bhilai,	Sender's letter no.	SXS/009	Sender's letter Date	15-02-2024	
	DL Receipt No.	02/24/83	DL Received date	15-02-2024	
	Date of analysis started	15-02-2024	Date of analysis completed	16-02-2024	

No	Block & District	Village/Panchayat	Sample Id	Source/Location Details
1	Durg	Supela Bhilai	611	St. Xavier's Hr.Sec.School Shanti Nagar, Supela Bhilai, (Borewell)
2				
3				
4				
5				
6				

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

No.	Characteristics	Test method IS/APHA 24rd Edition		Unit of Measurement	As Per IS -10500:2012 For Drinking Water		Results							
		Method	Part No.		Acceptable Limit	Permissible Limit	1	2	3	4	5	6	7	
1	2	3	4	5	6	7	-	-	-	-	-	-	-	-
		Method	Part No.		Sample ID -->		611	-	-	-	-	-	-	-
1	Turbidity	IS:3025	Part -10	NTU	1.0	5.0	0.4	-	-	-	-	-	-	-
2	pH at Temperature 25°C	IS:3025	Part -11	pH scale	6.5 - 8.5	6.5 - 8.5	7.35	-	-	-	-	-	-	-
3	Total Alkalinity as CaCO ₃	IS:3025	Part -23	mg/l	200	600	192.0	-	-	-	-	-	-	-
4	Specific Conductivity at Temperature 25°C	IS:3025	Part -14	µmhos/cm	-	--	666	-	-	-	-	-	-	-
5	Chloride as Cl ⁻	IS:3025	Part- 32	mg/l	250	1000	73.5	-	-	-	-	-	-	-
6	Total Hardness as CaCO ₃	IS:3025	Part -21	mg/l	200	600	270.25	-	-	-	-	-	-	-
7	Calcium as Ca ⁺⁺	IS:3025	Part -40	mg/l	75	200	86.24	-	-	-	-	-	-	-
8	Magnesium as Mg ⁺⁺	APHA	3500-Mg- B	mg/l	30	100	13.33	-	-	-	-	-	-	-
9	Nitrate as NO ₃ ⁻	APHA	4500-NO3-B	mg/l	45	45	15.6	-	-	-	-	-	-	-
10	Iron as Fe ⁺⁺	APHA	3500-Fe B	mg/l	0.3	1.0	0.115	-	-	-	-	-	-	-
11	Manganese as Mn ⁺	APHA	3500-Mn-B	mg/l	0.1	0.3	0.0	-	-	-	-	-	-	-
12	Sulphate as SO ₄ ²⁻	IS:3025	Part- 24	mg/l	200	400	26.56	-	-	-	-	-	-	-
13	Fluoride as F ⁻	APHA	4500-F-C	mg/l	1.0	1.5	0.314	-	-	-	-	-	-	-
14	Total Dissolved Solid (TDS)	IS:3025	Part -16	mg/l	500	2000	416	-	-	-	-	-	-	-
15	Odour	IS:3025	Part -5		Agreeable	Agreeable	-	-	-	-	-	-	-	-
16	Color	APHA	2120 B	Hazen	5	15	5	-	-	-	-	-	-	-
17	Taste	IS:3025	Part -8		Agreeable	Agreeable	-	-	-	-	-	-	-	-

- This report should not be produced partly or full without approval of signatory authority of legal purposes
- It is recommended that acceptable limit is to be implemented. Values 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 tested.**
- Samples will be stored for a period of 07 days from date of issue of report.
- This lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.
- The Laboratory does not give interpretation on Test result Passed / Failed**
1. Results apply to the sample as received
2. Sampling not done by the Laboratory Staff

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End of Test Report

for PHE
(Purnima Mishra)
Chemist
Authorised Signatory

District Water Testing Laboratory
Public Health Engineering Division Durg Chhattisgarh
 Near Rajendra Park Chowk

Format Id- DL/PHED/DRG/F/4.2

E-mail eedurg-phe-cg@mail.nic.in , Phone 0788-2323633

Test Report
Group- Drinking Water

			Sample Collected by - St. Xavier's Hr.Sec.School Shanti Nagar, Supela Bhilai,	
Sender's Name and Address:- Principal St. Xavier's Hr.Sec.School Shanti Nagar, Supela Bhilai,	Sender's letter no.	SXS/009	Sender's letter Date	15-02-2024
	DL Receipt No.	02/24/83	DL Received date	15-02-2024
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Sample Details-

No	Block & District	Village/Panchayat	Sample ID	Location/Source No.
1	Durg	Supela Bhilai	611	St. Xavier's Hr.Sec.School Shanti Nagar, Supela Bhilai, (Borewell)
2				
3				
4				
5				
6				
7				

Details of parameters

No.	Characteristics	Unit of Measurement	Test method IS/APHA 23rd Edition		As Per IS -10500:2012 For Drinking Water		Results							
			Method	Part No.	Acceptable Limit mg/l	Permissible Limit mg/l	1	2	3	4	5	6	7	8
							Sample ID--> 611							
1	Residual Chlorine	mg/l	IS:3025	Part no.26	0.2	1.0	-	-	-	-	-	-	-	-
2	Arsenic (by Kit)	mg/l	IS:3025	Part no.37	0.01	0.01	-	-	-	-	-	-	-	-
3	Total Coliform per 100ml <small>For Treated Water & Distribution System</small>	24 Hrs	APHA	9222B	Nil	Nil	-	-	-	-	-	-	-	-
		48 Hrs			Nil	Nil	-	-	-	-	-	-	-	-
4	Faecal Coliform (TTC) per 100ml	24 Hrs			Nil	Nil	00	-	-	-	-	-	-	-

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- The results refer only to tested samples and parameters tested.**
- Samples will be stored for a period of 07 days from date of issue of report.
- This lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.
- Not include in NABL Scope
- The Laboratory does not give interpretation on Test result PASSED / FAILED
1. Results apply to the sample as received.
2. Sampling not done by Laboratory's Staff

Issue No. 95 /Lab/ Date- 19/02/24

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(Signature)
 Chemist
 Public Health Engg. Division
 Durg(C.G.)