

**SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE**

Ref.No. 1801

Date 29-6-21

It is certified that an Inspection team headed by Executive Engineer M.K. Mishra (Executive Engineer Incharge Bilaspur) Inspected Holy Cross Senior Secondary School Lal Khadan District Bilaspur Chhattisgarh on..... And found that Holy Cross Senior Secondary School Lal Khadan District Bilaspur Chhattisgarh has Safe Drinking Water facilities for the students and members of the staff of the institution and is maintaining the Hygienic Sanitation Conditions in the school building and the campus as per the norms prescribed by the Central / State / U.T.Govt.

The Above Validity is for a Period of Three Years

Signature with seal.....

**Executive Engineer  
P.H.E. Division  
BILASPUR (C.G.)**

Name : M.K. Mishra

Designation : Executive Engineer ( P.H.E.)

To,

The Principal

Holy Cross Senior Secondary School

Lal Khadan Bilaspur

Pin Code :495001



# District Water Testing Laboratory

Public Health Engineering Department,  
PHE. Central Store Campus, behind Civil Police Station, Bilaspur (C.G.)  
Contact as email – [bspghedlab@gmail.com](mailto:bspghedlab@gmail.com)



Har Ghar Jal  
Jal Jeevan Mission

## Test Report

Discipline- Chemical Testing	Group- Drinking water	Report no. – 3097		
Senders name & address -: Principal Holy Cross Senior Secondary School Lalkhadan Bilaspur (C.G.)	Senders letter no./Date	673/05.06.2023	Sampled by	School Staff
	DL receipt no.	3097	DL Receipt date	05.06.2023
	Date of analysis started	05.06.2023	Date of analysis completed	07.06.2023

### Sample Details:-

Sr.no.	Sample I.D.	District /Block	City / Village	Location/source no./GPS identification
1	06/23/3097/7842	Bilaspur/Bilha	Bilaspur	Holy Cross Senior Secondary School Lalkhadan
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-

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

s.n.	Parameters	Test method IS:3025/APHA 23rd ed.		Unit	As per IS- 10500-2012 drinking water						
		Method	Part no.		Desira ble Limit	Permis sible Llimit	1	2	3	4	5
1	2	3	4	5	6	7	-	-	-	-	-
1	Turbidity	IS:3025	Part-10	NTU	1	5	1.20	-	-	-	-
2	Color	APHA23rd ed	Part-2120B	CU	5	15	5.00	-	-	-	-
3	Odour	IS:3025	Part-05		Agr	Agr	Agreeable	-	-	-	-
4	Taste	IS:3025	Part-7/8		Agr	Agr	-	-	-	-	-
5	PH @ 25°C	IS:3025	Part-11	PH scale	6.5-8.5	6.5-8.5	7.18	-	-	-	-
6	Total Alkalinity as CaCO <sub>3</sub>	APHA23rd ed	Part-2320 B	mg/l.	200	600	445.28	-	-	-	-
7	TDS	APHA23rd ed	Part-3540-C	mg/l.	500	2000	970	-	-	-	-
8	Chloride as Cl <sup>-</sup>	APHA23rd ed	Part- 4500-Cl- B	mg/l.	250	1000	226.09	-	-	-	-
9	Total Hardness as CaCO <sub>3</sub>	APHA23rd ed	Part-2340-C	mg/l.	200	600	574.28	-	-	-	-
10	Calcium as Ca <sup>++</sup>	APHA23rd ed	Part-3500-Ca- B	mg/l.	75	200	117.84	-	-	-	-
11	Magnesium as Mg <sup>++</sup>	APHA23rd ed.	3500-Mg-B	mg/l.	30	100	67.27	-	-	-	-

- 1 The report should not be produced partly or full without approval signatory authority of legal purpose.
2. 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 up to 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 verification 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.

\*\*\*\*\* End of Report \*\*\*\*\*

Report Received & Approved By

*(Signature)*  
(Ashish Dongre)

Chemist, DWTL PHED Bilaspur (C.G.)

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Public Health Engineering Department,  
PHE. Central Store Campus, behind Civil Police Station, Bilaspur (C.G.)  
Contact as email – [bsp-phedlab@gmail.com](mailto:bsp-phedlab@gmail.com)

## Test Report

Kind of sample- Drinking water sample	Group- Drinking water		Report No.- 3097	
	Senders letter no./Date	673/05.06.2023	Sampled by	School Staff
	DL receipt no.	3097	DL Reciept date	05.06.2023
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3	-	-	-	-
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5	-	-	-	-

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

s.n.	Parameters	Test method IS:3025/APHA 23rd ed.		Unit	As per IS-10500-2012(second-revision) drinking water		1	2	3	4	5
		Method	Part no.		Desira ble Limit	Permis sible Limit					
1	2	3	4	5	6	7	-	-	-	-	-
1	Spe. Conductivity @ 25 °C	IS:3025	Part-14	µS/cm	-	-	1590.16	-	-	-	-
2	Nitrate as NO <sub>3</sub>	APHA23rd ed	Part-2120B	Mg/l	45	45	-	-	-	-	-
3	Iron as Fe <sup>++</sup>	APHA23rd ed	Part-05	Mg/l	0.1	0.3	0.30	-	-	-	-
4	Fluoride as F <sup>-</sup>	APHA23rd ed	Part-7/8	Mg/l	1.0	1.5	0.400	-	-	-	-
5	Residual Chorine	-	-	Mg/l	0.2	Nil	Nil	-	-	-	-
6	Fecal Coliform	H <sub>2</sub> S (24 hrs/48 hrs)	(24 hrs/48 hrs)	-	Nil Nil	Nil Nil	Nil Nil	-	-	-	-
7	Sulphate	Iso.3025	Part-24	Mg/l	200	400	-	-	-	-	-

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Chemist  
District Water Testing Laboratory  
PHED Bilaspur (C.G.)