

District Water Testing Laboratory

Groundwater Surveys and Development Agency

Senior Geologist Office, Bhandara

TEST REPORT (DWTL/SG/BHN/FR/-06

DWTL/GSDA/ BHN/06/04/2024

date- 03.05.2024



Issued To - LOTUS INTERNATIONAL PUBLIC SCHOOL, KHARABI TAL-BHANDARA DIST-BHANDARA		Sample Inward No. DWTL/GSDA/BHN/06/04/2024 Inward Date 30.04.2024		Analysis Start 03.05.2024 Analysis End : 03.05.2024 Sample Category : Water	
Sample WATER	Sample Source: See page 2	Sample Particulars / Details : See page 2			Sample WATER
Sample collected by- Applicant		Samplig Date- 30.04.2024 Sampling Time 3.45 pm	Environmetal condition Temp - 35 Humidity-32%	Sample collected by- Applicant	

Test Result

S. No.	Test Parameter	Measurement Unit	Requirement as per IS10500 : 2012 (Drinking Water Specifications)		S1
			Desirable Limit	Permissible Limit	
1.	pH		6.5 TO 8.5	No Relaxation	6.82
2.	Ele. Conductivity	uS/cm	-	-	169
3.	TDS	mg/L	500	2000	109
4.	Total Hardness	mg/L	200	600	54
5.	Fluoride	mg/L	1	1.5	0.380
6.	Nitrate	mg/L	45	-	BDL
7.	Iron	mg/L	1.0	-	BDL

TEST METHOD EMPLOYED

Sr.No.	Test Parameter	Test Method
1.	Colour*	-
2.	Turbidity*	-
3.	pH	APHA 23 RD EDN, METHOD 4500
4.	Elec. Conductivity	APHA 23 RD DN, METHOD 2510B
5.	TDS	APHA 23 RD EDN, METHOD 2540C
6.	Total Hardness	APHA 23 RD EDN, METHOD 2340C
7.	Calcium*	APHA 23 RD EDN, METHOD 3500Ca-B
8.	Magnesium*	APHA 23 RD EDN, METHOD 4500
9.	Fluoride	APHA 23 RD EDN, METHOD 4500F-B
10.	Nitrate	APHA 23 RD EDN, METHOD 4500 No ₃ -B
11.	Iron	APHA 23 RD EDN, METHOD 3500 Fe-B
12.	Sulphate*	APHA 23 RD EDN, METHOD 4500 SO ₄ -B
13.	Total Alkalinity*	APHA 23 RD EDN, METHOD 2320B
14.	Chloride*	APHA 23 RD EDN, METHOD 4500Cl-B

Chemist

District lab Bhandara

Authorised By

(Junior Geologist)

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8.	Colour*	-	-	-	1
9.	Odour*	-	-	-	Agreeable
10.	Turbidity*	NTU	-	-	0.1
11.	Calcium*	mg/L	75	200	29.28
12.	Magnesium*	Mg/L	30	100	6.156
13.	Sulphate*	mg/L	200	400	6.08
14.	Total Alkalinity	mg/L	200	600	37
15.	Carbonate*	mg/L	-	-	
16.	Bicarbonate*	mg/L	-	-	
17.	Chloride*	mg/L	250	1000	10

Sample Details

Sr. No.	Sample Code	lab Ref. Number	Village	District	Taluka	Source	Source Location
1	S1	DWTL/GSDA/BH N/06/04/2024	Kharabi	Bhandara	Bhandara	R.O.	LOTUS INTERNATIONAL PUBLIC SCHOOL, KHARABI TAL- BHANDARA DIST- BHANDARA

Remarks:

1. The results relate only to the samples tested.
2. The report shall not be reproduced except in full, without the written approval of the laboratory.
3. The Sample is collected by the client himself. As such the lab has no involvement in sample collection.


Chemist

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Authorised By


(Junior Geologist)