

	Characteristics	Unit	As Per BIS-10500-2012 For Drinking Water		Results			
			Requirement (Desirable Unit)	Permissible Unit in the absence of Alternate Source	Sample 1	Sample 2	Sample 3	Sample 4
14.	Sulphate as SO <sub>4</sub>	Mg/L	200	400	60			
15.	Fluoride as F	Mg/L	1.0	1.5	0.2			
16.	Manganese as Mn	Mg/L	0.1	0.3	-			
17.	Residual Chlorine as Cl <sub>2</sub>	Mg/L	0.2	1.0	-			

### BACTERIOLOGICAL TESTS

18.	M.PN of Coliform	Per 100 ml	Nil	0			
19.	Faecal Coliform	Per 100 ml		0			

**NOTE:** The figures indicated under the indicated under the column requirement (Desirable Limit) the limits unto which water is generally acceptable to the consumers figures in excess of those mentioned under "Requirement (Desirable Limit)" the water not acceptable, but still may be tolerated in the absence of an alternative and better source but upto the limits indicated column" Permissible Limit in the absence of Alternate source" above which the source will have to be rejected (Guideline values for Drinking Water as Per BIS 10500)

In All water intended for drinking E. Coli or thermo tolerant Coliform bacteria must not be detectable in any 100 ml sample Treated water entering in/in distribution system E. Coli or thermo tolerant coliform bacteria And Total Coliform bacteria must not be detectable in any 100 ml sample. In case of large supplies, when sufficient samples are examined, must not be present in 95% of sample taken through out any 12 months period.

Remark उपरोक्त जल नमूने में परीक्षण किए गए पैरामीटर का मान (कीमती) सीमा में है।

Signature of Analyst

S. S. S. S.

Remarks if any

S. S. S. S.  
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# Sub Division Laboratory Public Health Engineering Department MHOW

## ANALYSIS REPORT

Type of Sample : द्रुववेले

Particulars of Sender : श्री अनुराग अगल, नारायणदास इंटरनेशनल एडुकेटर्स

Particulars of Sample Collected / Not Collected by PHED

Sample No.	Place of collection and details of sample	Date
1	नारायणदास इंटरनेशनल एडुकेटर्स, चिराखान, नेपालगञ्ज	15/5/24

Particulars to be filed in the Laboratory

Date of Receipt 15/5/24 Time of Receipt 11:00 Am

Lab. Reference No. - Tested on 15/5/24

### NATURE OF STUDY - CHEMICAL & BACTERIOLOGICAL ANALYSIS

S.No.	Characteristics	Unit	As Per BIS-10500-2012 For Drinking Water		Results			
			Requirement (Desirable Unit)	Permissible Unit in the absence of Alternate Source	Sample 1	Sample 2	Sample 3	Sample 4

#### PHYSICAL TESTS

1.	Temperature	°C	---	---	-				
2.	Turbidity	NTU	1.0	5.0	1				
3.	Colour	Hazen Units	5	15	-				
4.	Odour	---	Unobjectionable	Objectionable	Unobjectionable				
5.	pH	pH Scale	6.5 to 8.5	No Relaxation	7.65				
6.	Total Hardness as CaCO <sub>3</sub>	Mg/L	200	600	296				
7.	Calcium as Ca	Mg/L	75	200	70.4				
8.	Magnesium as Mg.	Mg/L	30	100	28.8				
9.	Total Alkalinity as CaCO <sub>3</sub>	Mg/L	200	600	226				
10.	Chloride as Cl	Mg/L	250	1000	80				
11.	Nitrate as No <sub>3</sub>	Mg/L	15	45	10.5				
12.	Total Dissolved Solids	Mg/L	500	2000	554				
13.	Iron	Mg/L	0.3	0.3	0				