



**WATER MANAGEMENT DEPARTMENT
BHILAI STEEL PLANT
LABORATORY, WTP, WMD**

IS 10500 : 2012

Sub: Drinking Water Analysis

Name of the party: Kings & Queens International School Bhilai-03

Full Postal Address: Kings & Queens International School Bhilai-03

Location of sampling: Bhilai-03 Date: 23-03-2024

Type of water: BSP Supply/ Municipal Supply / Bore Well/

Sl.No	Substance or Characteristic	UNIT	Requirement (Desirable Limit)	Permissible Limit in the absence of Alternate source	RESULTS
1. Physical Analysis					
a	Turbidity	NTU, max	1	5	0.91
b	pH Value		6.5 to 8.5	No Relaxation	7.6
2. Chemical Analysis					
a	Total Alkalinity	mg/lit	200 Max	600 Max	248
b	Total Hardness (as CaCO ₃)	mg/lit	200Max	600 Max	316
c	Ca Hardness (as CaCO ₃)	mg/lit	188 Max	500 Max	276
d	Mg Hardness (as CaCO ₃)	mg/lit	< Ca Hardness	< Ca Hardness	40
e	Chloride	mg/lit	250 Max	1000 Max	65
f	Iron as Fe	mg/lit	0.3 Max	No relaxation	BDL
3. Bacteriological Analysis					
a	Residual Chlorine	mg/lit	0.2 MIN	No relaxation	-
b	MPN of Coliform Bacteria present in 100 ml of the original sample		NIL	No relaxation	25+
4. Solids Analysis					
a	Total Solids	mg/lit			571
b	Dissolved Solids	mg/lit	500	2000	570
c	Suspended Solids	mg/lit			01
5. Special Analysis					
a	Sulphate as SO ₄	mg/lit	200 MAX	400 MAX	
b	Ammonia (as total Ammonia-N)	mg/lit, max	0.5	No relaxation	BDL
6 Other Parameters					
	Colour	Hazen, max	5	15	

NOTE : This report is based on the water samples brought by the party at WTP, Maroda Lab.

[Signature]
AGM WTP 27/9

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Asth. chemist 23/09/24
Lab. WTP, WMD

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Bhilai Steel Plant