

HIMACHAL PRADESH
Jal Shakti Vibhag
Water Testing Laboratory
Hydrology Division Tutikandi Shimla-4
TEST REPORT

Report No	DW-806-23		
Name and address of Sender	Mr. Ganesh Dutt, AE E/M MES, Garrison Engineer (I) Jutogh, PIN-901116 C/o 56 APO.		
Name of Scheme and Location of source	Robot Height Water Tank		
Date and Time of Collection	10.02.23 at 10.10AM		
Date and Time of Receipt at Laboratory	10.02.23 at 11.10AM		
Date and Time of Commencing	10.02.23 at 11.20AM		
Type of Sample	Tap Water		
Quantity of sample	1.3 ltr.		
Date of Reporting	17.02.2023		
Name Of Sampler	Mr. Hardeep Kumar		
Testing Protocol	IS 10500:2012		
Sr. No	TEST PARAMETER	UNITS	RESULT
Requirement as per IS 10500:2012			

Physical Test


				Acceptable limits	Permissible Limit in absence of Alternate source	Test Method
1	pH	-	8.30	6.5-8.5	No Relaxation	IS : 3025 Part 11: 1983 RA2002
2	Turbidity	NTU	3.99	Max 1	Max 5	IS 3025:Part 10 :1984 RA1996
3	Colour	-	Colourless	-	-	Visual Method
4	Odour	-	Odourless	Agreeable	Agreeable	Visual Method
5	Total Dissolved Solids	Mg/L	212	Max 500	Max 2000	IS 3025 Part 18 : 1984 RA2012


Chemical Test

6	Dissolve Oxygen	Mg/L	7.7	-	-	APHA 4500-O (C)
7	Total Alkalinity (as CaCO ₃)	Mg/L	102	Max 200	Max 600	IS 3025:Part 23 :1986 RA2003
8	Total Hardness as CaCO ₃	Mg/L	194	200	600	IS : 3025 Part 21:1983 RA1996
9	Calcium	Mg/l	53.6	75	200	IS 3025:P-40/APHA3500-Ca B EDTA-Titrimetric Method
10	Magnesium	Mg/l	14.4	30	100	IS 3025:P-46/APHA3500-Mg B Calculation Method
11	Sodium as Na ⁺	Mg/l	6.8	-	-	APHA 3500-Na A
12	Potassium as K ⁺	Mg/l	1.9	-	-	APHA 3500-K A
13	Chlorides [as Cl]	Mg/L	21	Max 250	Max 1000	IS 3025:Part 32 :1988 RA1993
14	Residual Chlorine(Cl ₂)	Mg/L	0.2	Max 0.2	Max 1.0	IS 3025:part 26:1986 RA2003
15	Phenol	Mg/L	0	0.001	0.002	APHA-5530-D
16	Nitrate[as NO ₃]	Mg/L	0	45	No Relaxation	APHA 4500-NO ₃ (B)

Bacteriological Test

17	Total coli form	MPN	Nil	Nil	Nil	IS : 1622: 1981 RA 1996
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 Assistant Chemist
 Water testing lab
 Tutikandi Shimla-4


 Assistant Engineer
 Hydrology CRM Sub- Division
 Tutikandi Shimla-4