

NORTH BENGAL CHEMICAL TESTING AND ANALYSIS LAB (NBCTAL-JUNE-2026 MICRO-DIVISION)

Registered Under Govt. of West Bengal, DIC Entrepreneur's Memorandum No.: 190012110563 dt. 09/10/2009.
Registered Under Govt. of India, MSME Udyog Aadhaar Registration UAM No.: WB06D0003024 dt. 12/02/2020.
Sample deposit & Report Collection Office Cum Lab: Maa Kalyani Kali Bari, Gadadhar sarani
Rabindra Nagar, P. O Rabindra Sarani, Siliguri, Pin-734006, Dist-Darjeeling, State-West Bengal, India.
Phone: 97330-30549 / 0353-3550566. Email. nbctslg09@gmail.com

Certificate for Water analysis

Name and address of client:

TO
AE (E/M), GARRISON ENGINEERS
NEW MIL STN, GANGTOK, SIKKIM-737102.

Analysis Report Number

NBCTAL /06/2026/21

RESULTS OF ANALYSIS

Sample Received on	Analysis Duration	Sample Description & Work /Service Order No. of client's, Work Order Dated.	Quantity of Sample	Sample Submitted by
22/06/2026	22/06/2026 to 29/06/2026	Water Sample Location – (1.1) Filter House (Raw Water) New Cantt. Work Order No. 4015/57/E4, Dated- 20 Jun 2026.	1x 1000 ml (approx.)	Drawn by Party (Sample will be destroyed by us after issuance of this certificate).

Table 1- Physical & Chemical Test:

Sl No. (1)	Characteristic (2)	Requirement (Max. Desirable Limit as per IS 10500: 2012) (3)	Permissible Limit in the Absence of Alternate Source (4)	Method of Test, Ref to Part of IS 3025(5)	Results Obtained
1.	Turbidity, NTU, Max	1	5	IS 3025 (Part 10)	0.42 NTU
2.	pH value	6.5 - 8.5	No relaxation	IS 3025 (Part 11)	7.10
3.	Total Dissolved solids (TDS), mg/l, Max	500	2000	IS 3025 (Part 16)	49 mg/l
4.	Taste	Agreeable	Agreeable	IS 3025 (Part 7 & 8)	Agreeable
5.	Colour, Hazen units, Max	5	15	IS 3025 (Part 4)	1 Hazen Units
6.	Iron (as Fe), mg/l, Max	0.3	No relaxation	IS 3025 (Part 53)	0.09 mg/l
7.	Manganese (as Mn), mg/l, Max	0.1	0.3	IS 3025 (Part 59)	Less than 0.1
8.	Nitrate (as NO ₃), mg/l, Max	45	No relaxation	IS 3025 (Part 34)	2.00 mg/l
9.	Fluoride (as F) mg/l, Max	1.0	1.5	IS 3025 (Part 60)	0.22 mg/l
10.	Residual Chlorine, mg/l, Min	0.2	1	IS 3025 (Part 26)	0.30 mg/l
11.	Copper (as Cu), mg/l, Max	0.05	1.5	IS 3025 (Part 42)	Less than 0.05
12.	Alkalinity (as CaCO ₃), mg/l, Max	200	600	IS 3025 (Part 23)	25 mg/l
13.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)	Agreeable
14.	Chloride (as Cl), mg/l, Max	250	1000	IS 3025 (Part 32)	18.20 mg/l
15.	Total hardness (as CaCO ₃), mg/l, Max	200	600	IS 3025 (Part 21)	36 mg/l
16.	Arsenic (Heavy Metals) as (As), mg/l, Max	0.01	No relaxation	IS 3025 (part 37)	BDL
17.	Lead (Heavy Metals) as (Pb), mg/l, Max	0.01	No relaxation	IS 3025 (Part 47)	BDL

Table 2- Bacteriological Test:

Sl No. (1)	Organisms (2)	Requirement (Max. Desirable Limit as per IS 10500: 2012) (3)	Method of Test, MPN	Results Obtained
19.	Coliform Bacteria	Shall not be detectable in any 100 ml sample	IS 1622-1981(Reaff.2003)	Absent
20.	E. coli	Shall not be detectable in any 100 ml sample	IS 1622-1981(Reaff.2003)	Absent

Impression: Results are within tolerance limit & Water Bacteriologically Safe. BDL:- Below Detection Limit,

Date of Issue: 30/06/2026

For N.B.C.T.A.L.,
(Signature)
(Authorised Signatory)

NOTE:

- The results given above are related to the tested sample, as received & parameters as mentioned in Work/Service Order by the customer for the above tests only.
- In case of lack of correlation due to technical/typing error, laboratory should be informed immediately for rectification/review/resembling and retesting etc.
- This test report will not be generated again, either wholly or in part, without permission of the Laboratory.
- Contents of this report are meant for your guidance and should not be used for advertisements, evidence or litigation. NBCTL is not an NABL lab.
- Responsibility of the Laboratory is limited to the invoiced amount only. Any type of consultancy on plant/project set up is not provided by NBCTAL.

REPORT ENDS