



BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

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BANGALORE - 560 056

BUB/CTE/2025-26/Water-1

1. TESTING OF WATER SAMPLE:

Date: 27-01-2026.

Sub: Testing of Water sample

{Name of Work*: Construction of "A" Type School Building and 09 Numbers Staff Quarters (04 Numbers Type II, 04 Numbers, Type III and 01 Number Type V Quarters) including Internal Water Supply, Sanitary Installation, IEI works, Water supply pump sets, LT distribution, Street lighting and Sports lighting, Firefighting with First Aid Hose Reel System etc., and Development of sites & Bulk Services (Roads, Compound wall, Drains, Paver blocks etc.) for Kendriya Vidyalaya at KR Puram, Bangalore, Karnataka in EPC mode (Design and Build Basis)}.

Ref.: Letter No. 23 (55) (24)/AE/BCSD 3/III/2025/SITE, dated 17-01-2026

Sample supplied to lab by : Assistant Engineer, BCSD-3/III, CPWD, Bangalore.

Name of the Agency/ Contractor*: M/s.J.N.Construction Company.

Agreement No. 02/CE/EE/Bangalore III/2023-24

Technical Reference: IS 10500-2012, IS 456-2000 and IS 3025

TABLE 1.1

RESULTS OF ANALYSIS

SL NO	CHARACTERISTIC	TEST RESULTS	PERMISSIBLE LIMITS	
			Construction Purpose	Drinking Purpose
1	pH	7.29	6.0 to 8.0	6.5 - 8.5
2	Total Acidity as CaCO ₃	Nil	Not to exceed 50 mg/L	-
3	Total Alkalinity as CaCO ₃	06 mg/L	Not to exceed 250 mg/L	Not to exceed 250 mg/L
4	Total Dissolved Solids	98 mg/L	Not to exceed 200mg/L	Not to exceed 500 mg/L
5	Chlorides	36.42 mg/L	2000 mg/l for concrete work-without reinforcement. 500 mg/lit with reinforcement	Not to exceed 250 mg/L
6	Suspended matter. mg/L	Nil	Not to exceed 2000mg/lit	---
7.	Total hardness mg/L as CaCO ₃	32.60	Not to exceed 600 mg/L	Not to exceed 300 mg/L
8	Magnesium as Mg	0.06	Not to exceed 100 mg/L	Not to exceed 30 mg/L

* As furnished by Client.

The Results relate only to the items tested.

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