



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Formulation No.
WQF-59/01/HYD/09

Issue No : 01/a

TEST CERTIFICATE

Issue Date :
27/06/2026

Report No : LW1/2025-26/211

Name of the Organisation/Person: GANGA VALLEY SCHOOL

Ref Memo No GV-S/26 dated 20/05/26

Location Details: Maharani Colony, Road No.-2, Agamkuan, Patna-800007

Sample Collected By LW1/26

Type of Sample : General Water

Volume of Sample : 1 Ltr

Mode of Preservation : Preserved

Date of Analysis Started : 25/06/2026

Date of Reporting : 27/06/2026

Sample Received on : 25/06/26

Date of Sampling : 25/06/26

Source of Sample : Drinking Water

Type of Container : PVC

Sample Condition : Sealed

Date of Analysis Completed : 27/06/2026

PHYSICO-CHEMICAL TEST REPORT

Sl. No.	Parameters	Desirable Doublution Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Results
1	pH Value	6.5-8.5	6.5-8.5	No relaxation	pH meter	7.10
2	Turbidity, NTU Max	25	1	5.0	Nephelometric	0.80
3	Conductivity $\mu\text{mho/cm}$	---	---	---	Conductivity meter	142.10
4	Total Dissolved Solid, mg/l, Max	500	500	2000	TDSA method	568.90
5	Total Hardness(as CaCO_3), mg/l, Max	300	300	600	EDTA method	446.25
6	Alkalinity(as Ca), mg/l, Max	50	25	200	EDTA method	32.10
7	Magnesium as Mg, mg/l, Max	30	30	100	Titration	46.86
8	Chloride(as Cl), mg/l, Max	250	250	1000	Titration	194.20
9	Fluoride(as CaCO_3), mg/l, Max	100	100	600	Electrothermometer	0.41
10	Iron (Fe), mg/l, Max	0.01	0.3	No relaxation	LW method	0.81
11	Nitrate(as NO_3), mg/l, Max	45	45	No relaxation	Indophenolic	9.28
12	Sulphate(as SO_4), mg/l, Max	200	200	400	SPAND'S	23.10
13	Phosphate (P), mg/l, Max	0.01	1.0	1.5	AAS	0.32
14	Ammonia(N), mg/l, Max	0.002	0.01	No relaxation		BDL*

Note* (i) Drinking Water Specification Second Revision IS 10500:2012

(ii) BDL means Below Detection Limit

BACTERIOLOGICAL TEST REPORT

Sl. No.	Parameters	Permissible Limit	Method of Testing Parameters	Results
15	Coliform Organisms, MPN/100ml	---	M. Test Tube Technique	Absent

Note **shall not be detectable in any 100 ml

PRINCIPAL

GANGA VALLEY SCHOOL
Maharani Colony, Road No.-2
Kamaldah Path, Agamkuan
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30/06/26
27/06/26



Aneer Kumar
MANAGER

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27/06/26
Chemical / Bacteriologist (Incharge)
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