

STATE LEVEL WATER TESTING LABORATORY (SLWTL)
PHED, GOVT OF BIHAR,
CHAJJUBAGH, PATNA – 800001
 (Technical Consultancy by Scientific Research Laboratory),
 90 Lake East (4th Road), Santoshpur, Jadavpur, Kolkata – 700075

TEST CERTIFICATE

Report No:- PHE/Patna-Dw-/D/Patna/24-25	Date of Reporting :- 12/02/2024
Name of the Organisation/Person:- Rahmani School of Excellence Belan, Bazar, Munger Bihar, - 811201	
Ref Memo No :- TWIS/2024/034	Sample Received On :- 12/02/2024
Location : Belan Bazar Munger Bihar – 805130	Ssource of Sample : Boring
Date of Sampling :- 12/02/2024	
Sample Collected By :- Sample not collected by us	

PHYSICO-CHEMICAL TEST REPORT

S.No	Parameters	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing	Result
1	PH Value	605-805	No relaxation	pH meter	7.1
2	Turbidity NTU, Max	5.0	10.0	Nephalometric	4.9
3	Conductivity Umbo/co	-	-	Conductivity meter	307
4	Total Dissolved Solid mg/l, Max	500.0	2000.0	Conductivity meter	234
5	Total Hardness (asCoCO3)mg/l, Max	300	600.0	EDTA method	162.2
6	Calcium (as Ca) , mg/l , Max	75.0	200	EDTA method	22
7	Magnesium (as Mg), mgl/l, Max	30	100	EDTA method	14
8	Chloride (as Cl), mg/l, Max	250.0	1000	Tiltration	68
9	Alkaninity (as Caco3), Mg/l , Max	200.0	600.0	Titration	162
10	Iron (as Fe), mg/l, Max,	0.3	1.0	Phenonihroline	0.29
11	Nitrate (as NO3), mg/l, Max	45.0	No relaxation	UV Method	1.92
12	Suphate (SO4) , mg/l, Max	200.0	400.0	Turbidimetric Method	11.50
13	Fluoride (as F), mg/l, Max	1.0	1.5	SPANDS	0.81
14	Arsenic (as Aa), mg/l, Max.	0.01	0.05	SDDS method	BDI

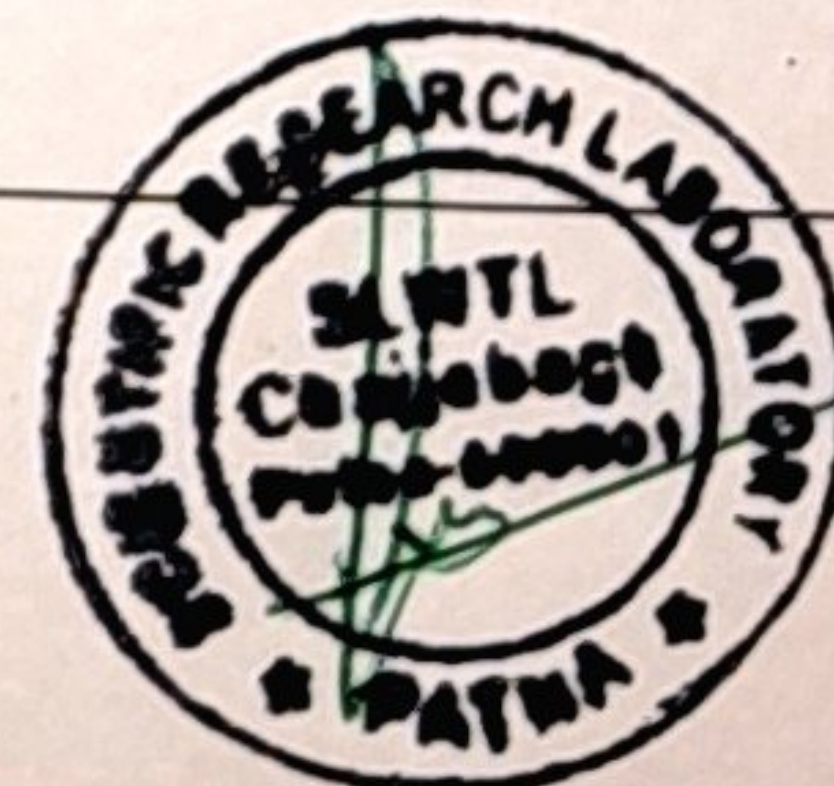
Note – (1) * Drinking water specification First Revision – IS: 10500: 1991, Edition 22 (2003-09) Reaffirmed 1993)
 (2) BDL means Below Detection limit
 (3) All the testing parameters methods are taken by APHA 20th Edition

BACTERIOLOGICAL Test report

Sl.No	Paremers	Permissible limit	Method of Tesling Paremers	Result
1	Coliform Organism MPN/100ml	**	M- Test Tube Technique	Absent

** (a) Throughout any year, 95% of the samples should not contain coliform organisms in 100ml
 (b) No sample should contain more than 10 coliform organisms per 100ml.
 (c) Coliform organism should not be detected in 10 ml of any two consecutive samples.

Note This water sample is fit for Drinking Purpose.



Prepared by : Scientific Research Laboratory