

STATE LEVEL WATER TESTING LABORATORY (SLWTL)

PHED, GOVT. OF BIHAR

CHHAJJUBAGH, PATNA-800001

Technical Consultancy by - Scientific Research Laboratory
90, Lake East (4th Road), Santoshpur, Jadavpur, Kolkata-700075

TEST CERTIFICATE

Report No: SLWTL/2023/GW - 43	Date of Reporting: 18.03.2023
Name of the Organisation/Person: Departmentel	Sample Received on: 13.03.2023
Ref.Memo No: Nil	Date of Sampling: 13.03.2023
Location: Millennium World School, Jaganpura Road, Brahmpur, Ram Krishna Nagar, Patna	Source of Sample: R.O Water
Sample Collected By: Not Collected by SLWTL	

PHYSICO-CHEMICAL TEST REPORT

Sl. No.	Parameters	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Results
1	pH Value	6.5-8.5	No relaxation	APHA, 4500-H+B	6.92
2	Turbidity, NTU, Max	1	5	APHA, 2130-B	1.00
3	Conductivity, μ mho/cm	-	-	APHA, 2510-B	114.00
4	Total Dissolved Solid, mg/l, Max.	500	2000	APHA, 2540-C	66.31
5	Total Hardness(as CaCO ₃), mg/l, Max	200	600	APHA, 2340-C	31.00
6	Calcium(as Ca), mg/l, Max	75	200	APHA, 3500-Ca B	4.32
7	Magnesium(as Mg), mg/l, Max	30	100	APHA, 3500-Mg B	3.15
8	Chloride(as Cl), mg/l, Max.	250	1000	APHA, 4500-Cl B	15.00
9	Alkalinity(as CaCO ₃), mg/l, Max.	200	600	APHA, 2320-B	22.00
10	Iron(as Fe), mg/l, Max.	1.0	No relaxation	APHA, 3030 E, 3111B & 3500 Fe B	BDL
11	Nitrate(as NO ₃), mg/l, Max.	45	No relaxation	APHA, 4500-NO ₃ -B	BDL
12	Sulphate(as SO ₄), mg/l, Max.	200	400	APHA, 4500-SO ₄ E	0.51
13	Fluoride(as F), mg/l, Max.	1.0	1.5	APHA, 4500-FD	BDL
14	Arsenic(as As), mg/l, Max.	0.01	No relaxation	APHA, 3500-As A & B	BDL
15	Manganese (as Mn), mg/l, Max.	0.10	0.30	IS, 3025 (Part 59)	BDL

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

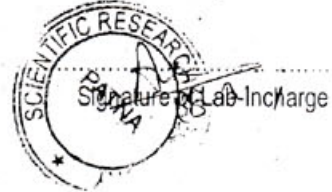
(ii) All the testing parameters methods are taken from APHA 22nd Edition 2012.

(iii) BDL means Below Detection Limit

BACTERIOLOGICAL TEST REPORT

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

Note: **Shall not be detectable in any 100 ml sample



Copy forwarded for kind information to:

(i) Consultant Water Quality Cell, PHED, Govt. of Bihar

(ii) Director, Water Quality Cell, PHED, Govt. of Bihar

(iii) Engineer-in-Chief cum Special Secretary, PHED, Govt. of Bihar

The results are reported based on the materials received. Sample will be destroyed after 15 days from the date of issue of the certificate unless otherwise specified. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of Laboratory.

Manager

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