

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: PAT/SLWTL/PSMB-21/19	Date of Reporting: 12.01.2019
Name of the Organisation/Person: MANAVA BHARATI INTERNATIONAL SCHOOL	Sample Received on: 09.01.2019
Ref Memo No: MBIS/PATIADM/18-19/003 DT 09.01.2019	Date of Sampling: 09.01.2019
Location: Near AIIMS, NH-98, Nawada more, Gosai Math, Mubarak pur, patna-801505	Source of Sample: Borewell
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	pH meter	7.10
2	Turbidity, NTU, Max	5.0	10.0	Nephelometric	1.00
3	Conductivity, μ mhos/cm	-	-	Conductivity meter	486.00
4	Total Dissolved Solid, mg/l, Max	500.0	2000.0	Conductivity meter	370.00
5	Total Hardness(as CaCO ₃), mg/l, Max	300.0	600.0	EDTA method	240.00
6	Calcium(as Ca), mg/l, Max	75.0	200.0	EDTA method	48.32
7	Magnesium(as Mg), mg/l, Max	30.0	100.0	EDTA method	21.34
8	Chloride(as Cl), mg/l, Max	250.0	1000.0	Titration	58.34
9	Alkalinity(as CaCO ₃), mg/l, Max	200.0	600.0	Titration	220.00
10	Iron(as Fe), mg/l, Max	0.3	No relaxation	Phenanthroline	0.26
11	Nitrate(as NO ₃), mg/l, Max	45.0	No relaxation	UV-method	1.24
12	Sulphate(as SO ₄), mg/l, Max	200.0	400.0	Turbidimetric	6.12
13	Fluoride(as F), mg/l, Max	1.0	1.5	SPANDS	0.32
14	Arsenic(as As), mg/l, Max	0.01	0.05	AAS	BDL

Note: * (1) Drinking Water Specification First Revision -IS-10500:2012

(2) BDL means Below Detection Limit

(3) All the testing parameters methods are taken by APHA 20th Edition

BACTERIOLOGICAL TEST REPORT

Sl. No.	Parameters	Permissible Limit	Method of Testing Parameters	Results
1	Coliform Organisms, MPN/100ml	**	M-Test Tube Technique	<1.1

Note: ** (a) Throughout any year, 85% of the samples should not contain coliform organisms in 100ml

(b) No sample should contain more than 10 coliform organisms per 100ml

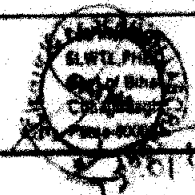
(c) Coliform organisms should not be detected in 100ml of any two consecutive samples

NOTE: This water sample is fit for drinking purpose.

Prepared by: Scientific Research Laboratory

Secretary

Manava Bharati International School
NEAR AIIMS (PATNA) NAWADA MORE,
GOSAI MATH, P.O.-MUBARAKPUR
PATNA (BIHAR) PIN-801505



STATE LEVEL WATER TESTING LABORATORY

Public Health Engineering Department, Govt. of Bihar
Chajjubagh, Patna - 800 001

Ref No. PHE/SLWTL/MB/1/19

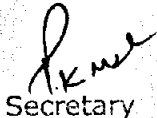
Date 09.01.2019

Sanitary Certificate

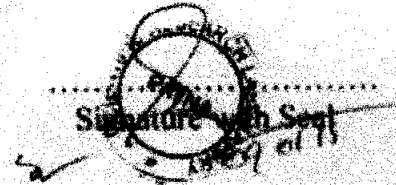
I hereby declare that our Team Headed by Dr. A. Upadhyay, Visited the **MANAVA BHARATI INTERNATIONAL SCHOOL, Near AIIMS, NH-98, Nawada more, Gosai Math, Mubarak pur, patna-801505** on 09.01.2019 The Team Observed the School campus and the surrounding as well as Toilets are neat and clean. There is sufficient amount of Drinking water available.

The quality of water and sanitation is good.

The above valid for a period of one (01) year.


Secretary

Manava Bharati International School
NEAR AIIMS (PATNA) NAWADA MORE,
GOSAI MATH, P.O.-MUBARAKPUR
PATNA (BIHAR) PIN-801505


Signature with Seal



Technical Consultancy by - Scientific Research Laboratory
90, Lake East (4th Road), Santoshpur, Jadavpur, Kolkata-700 075