

# STATE LEVEL WATER TESTING LABORATORY

Public Health Engineering Department, Govt. of Bihar

Chajjubagh, Patna - 800 001

Ref No. SLWTL/116/SC/18

Date. 09.06.2018

## Sanitary Certificate

I hereby declare that our Team Headed by Dr. A. Upadhyay, Visited the **Gyan Bharti Educational Complex, Gaura, Jagdishpur, Naubatpur Patna, Bihar** on 07.06.2018. 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 06/06/2019.

Total Method .....  
Quantity of sample .....  
Sample .....  
Any other instrument .....  
Sub-Constructed or Not .....  
09.06.2018



Quantity Manager  
SLWTL, P.H.E.D. PATNA

*Rakesh Kumar*  
MANAGER

Gyan Bharti Educational Comp  
Gaura Jagdishpur Nabatpur (Patna)



Technical Consultancy by - Scientific Research Laboratory

90, Lake East (4<sup>th</sup> Road), Santoshpur, Jadavpur, Kolkata-700 075

*[Signature]*

PRINCIPAL

Gyan Bharti Educational Complex  
Gaura Jagdishpur, Naubatpur (Patna)

# STATE LEVEL WATER TESTING LABORATORY (SLWTL)

PHED, GOVT. OF BIHAR

CHHAJJUBAGH, PATNA-800001

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90, Lake East (4<sup>th</sup> Road), Santoshpur, Jadavpur, Kolkata-700075

## TEST CERTIFICATE

Report No: PAT/SLWTL/GBEC/DW-966/18	Date of Reporting: 09.06.2018
Name of the Organisation/Person: GYAN BHARTI EDUCATIONAL COMPLEX	Sample Received on: 06.06.2018
Ref.Memo No: NIL dt. 06.06.2018	Date of Sampling: 06.06.2018
Location: R.O Water from Gaura Jagdishpur, Naubatpur, 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	pH meter	7.00
2	Turbidity, NTU, Max	5.0	10.0	Nephelometric	1.00
3	Conductivity, $\mu$ mho/cm	-	-	Conductivity meter	212.00
4	Total Dissolved Solid, mg/l, Max.	500.0	2000.0	Conductivity meter	114.00
5	Total Hardness(as CaCO <sub>3</sub> ), mg/l, Max	300.0	600.0	EDTA method	105.00
6	Calcium(as Ca), mg/l, Max	75.0	200.0	EDTA method	12.00
7	Magnesium(as Mg), mg/l, Max	30.0	100.0	EDTA method	10.00
8	Chloride(as Cl), mg/l, Max.	250.0	1000.0	Titration	17.00
9	Alkalinity(as CaCO <sub>3</sub> ), mg/l, Max.	200.0	600.0	Titration	127.00
10	Iron(as Fe), mg/l, Max.	0.3	1.0	Phenanthroline	0.20
11	Nitrate(as NO <sub>3</sub> ), mg/l, Max.	45.0	No relaxation	UV-method	1.10
12	Sulphate(as SO <sub>4</sub> ), mg/l, Max.	200.0	400.0	Turbidimetric	11.00
13	Fluoride(as F), mg/l, Max.	1.0	1.5	SPANDS	BDL
14	Arsenic(as As), mg/l, Max.	0.01	0.05	AAS	BDL

Note: \*(1) Drinking Water Specification First Revision -IS:10500:1991, Edition 2.2(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.	Parameters	Permissible Limit	Method of Testing Parameters	Results
1	Coliform Organisms, MPN/100ml	"	M-Test-Tube Technique	< 1.1

Note: \*(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 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

*Rakesh Kumar*  
**MANAGER**

Gyan Bharti Educational Complex  
Gaura Jagdishpur Nabatpur (Patna)

*[Signature]*  
**PRINCIPAL**

Gyan Bharti Educational Complex  
Gaura Jagdishpur, Naubatpur (Patna)

