

To whom it may concern

This is certified that **Chaman Sah Saraswati Vidya Mandir**, Jagatpur, Banka, fulfils all health and Sanitation condition according to its norms. Also the drinking water available for the students in the school is fit and safe for drinking as the sufficient quality of water have been supply in the school building.

01/03
02/3/19

Executive Engineer
P.H. Division, Banka
Executive Engineer
Public Health Division
BANKA

flw

सचिव
चमन साह सरस्वती विद्या मंदिर
जगतपुर (बंका)

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प्रधान विद्यार्थी
साह सरस्वती विद्या
मंदिर, जगतपुर, बंका

GOVT. OF BIHAR
DRINKING WATER QUALITY TESTING LABORATORY (DWQTL)
 Public Health Engineering Department
 PH. Division, Banka

TEST CERTIFICATE

ID Code :- DW/2850/G/Bak/Bak/2019	Date of Reporting :- 26/02/2019
Location :- Chaman Sah Saraswati Vidya Mandir High School, Banka	Date of Sampling :- 22/02/2019
Sample Collected By :- Teacher (CSVMS)	Source of Sample :- R O Water

PHYSICO-CHEMICAL TEST REPORT

Sl.No	Parameters	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Result
1	PH Value	6.5-8.5	No relaxation	Electrometric Method	7.1
2	Turbidity NTU	1.0	5.0	Nephalometric	2.5
3	Conductivity μ mho/cm	-	-	Instrumental Method	120
4	Total Dissolved Solid, mg/l	500.0	2000.0	Instrumental Method	80
5	Total Hardness (as CaCO ₃), mg/l	200.0	600.0	EDTA method	48
6	Calcium (as Ca), mg/l	75.0	200.0	EDTA method	12.80
7	Magnesium (as Mg), mg/l	30.0	100.0	EDTA method	3.88
8	Chloride (as Cl), mg/l	250.0	1000.0	Titration Method	25
9	Alkalinity (as CaCO ₃), mg/l	200.0	300.0	Titration Method	68
10	Iron (as Fe), mg/l	0.3	1.0	Phenanthroline Method	0.41
11	Nitrate (as NO ₃), mg/l	45.0	No relaxation	UV-method	-
12	Sulphate (as SO ₄), mg/l	200.0	400.0	Turbidimetric Method	-
13	Arsenic (as As), mg/l	0.01	0.05	SDDC	BDL
14	Fluoride (as F), mg/l	1.0	1.5	SPANDS	0.32

Note:-(1) * Drinking Water Specification Second 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

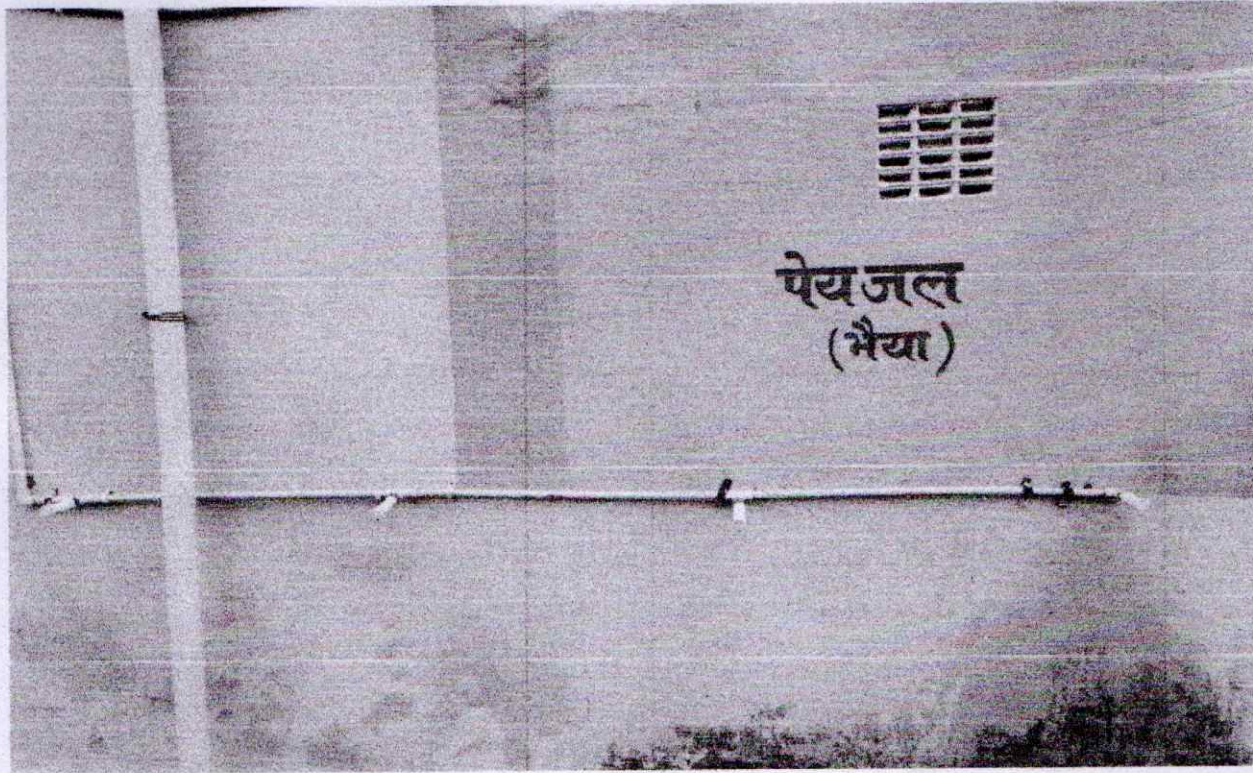
Sl.No	Parameters	Permissible Limit	Method of Testing Parameters	Result
1	Coliform Organisms, MPN/100ml	**	Test-Tube Technique	1.1

** (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

Handwritten Signature
 26/02/19
 सचिव
 Chemist
 चमन साह सरस्वती विद्या मंदिर
 जगतपुर (बांका)

Handwritten Signature
 प्रधानाचार्य
 चमन साह सरस्वती विद्या मंदिर
 जगतपुर, बांका

Handwritten Signature
 26/02/2019
 Executive Engineer
 P.H. Division Banka
 Executive Engineer,
 Public Health Division
 BANKA



Handwritten signature in green ink.

सांचेव
चमन साह सरस्वती विद्या मंदिर
जगतपुर (बांका)

Handwritten signature in green ink.
प्रधानाचार्य
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