APPENDIX _ VIII

SAFE DRINKING WATER AND SANITORY CONDITION CERTIFICATE.

No. 167/24 Date: 22/12/2024

It is certified that an inspection team headed by DR. M. L. FAFAL from MO II inspected the St. Xavier's Public School, Mundra on 22/12/2024 and found St. Xavier's Public School, Mundra has safe drinking water facilities for the students and members of staff of the institution and is maintaining the hygienic sanitation condition in the school building & the campus as per the norms prescribed by the Central/State/U.T Govt.

The above valid for a period of 01 YEAR ONLY

O.W. NO. 167/24

Signature with Seal: _____

Name: DR. M. L. FAFAL

Designation: Medical Officer Class-II
R.H. & Community Health Centre
Mundra - Kutch

COMMUNITY HEALTH CENTRE ★ MUNDRA ★

To,

St. Xavier's Public School, Mundra

PB No. 07 Baroi Road, Mundra

Pin: 370421

GUJARAT JALSEVA TRAINING INSTITUTE
GWSSB LABORATORIES

Taluka Laboratory
Bhachau,
Gujarat Water Supply &
Sewerage Bord
P.H.S.Sub.Division
Bhachau - Kutch. 370140

તાલુકા પ્રયોગશાળા, ભચાઉ,
ગુ. પા. પુ. અને ગ. વ્ય. બોર્ડ,
જા. આ. સુ. પેટા વિભાગ,
ભચાઉ-કચ્છ
પીનં- ૩૭૦૧૪૦

NABL-DWT-00171

E-mail : tl.bhachau@gmail.com

Test Report

Name & Address of Customer :-
Principal
ST.Xavier's Public School , P.B.07,Baroi Road
Mundra

Customer Reference No. :	0
Sample Submitted by :	Sender
Date of Sample Receipt :	08-10-2024
Analysis Starting Date :	09-10-2024
Analysis completion Date :	10-10-2024

Discipline :	Chemical Testing, Group: Water

Test Report No :	995/2023-'24	Date of Issue :	10-10-2024
Sample ID :	ACW-995/10-'24	Mode of Sample :	Satisfactory
Main Source :	Ground Water	Source :	Tube Well
Location :	Tap Water At School Compound Tube Well		
Village :	Mundra	Habitation :	0
Taluka :	Mundra	District :	Kachchh, Pin Code : 370421
Latitude :	...	Longitude :	...
Kindly find herewith the Analytical Results.		Sample Type :	Drinking Water

Sr. No.	Parameter	Unit	Reference Method :	Analytical Value
1	Colour	Hazen	APHA (23rd Ed.2017), Method: 2120 C	<1
2	Odour	-	IS 3025 (Part 5) - 2018 (Second Revision)	Agreeable
3	Turbidity	NTU	APHA (23rd Ed.2017), Method: 2130 B	2.30
4	pH at 25^{0}C	-	APHA (23rd Ed.2017) Method: 4500 H^+ B	7.54
5	Total Dissolved Solids	mg/l	APHA (23rd Ed.2017) Method: 2540 C	850
6	Total Alkalinity (as $CaCO_3$)	mg/l	APHA (23rd Ed.2017) Method: 2320 B	236
7	Chloride (as Cl^-)	mg/l	APHA (23rd Ed.2017) Method: 4500-Cl^- B	204
8	Fluoride (as F^-)	mg/l	APHA (23rd Ed.2017) Method: 4500-F^- C	0.56
9	Nitrate (as NO_3^-)	mg/l	APHA (23rd Ed.2017) Method: 4500-NO_3^- B	2.22
10	Sulphate (as SO_4^{-2})	mg/l	APHA (23rd Ed.2017) Method: 4500-SO_4^{-2} E	95
11	Calcium (as Ca^{+2})	mg/l	APHA (23rd Ed.2017) Method: 3500 Ca^{+2} B	42
12	Magnessium (as Mg^{+2})	mg/l	APHA (23rd Ed.2017) Method: 3500-Mg^{+2} B	27
13	Total Hardness(as $CaCO_3$)	mg/l	APHA (23rd Ed.2017) Method: 2340 C	176
14	Conductivity	µs/cm	APHA (23rd Ed.2017) Method: 2510 B	1328

This Report is issued under the following terms & Condition :

1. This report is referring only to the tested sample and for applicable parameter.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproduce wholly or in part, and can't be used be as evidence in court of law.

TALUKA LABORATORY GUJARAT WATER SUPPLY & SEWERAGE BOARD GJTI - GANDHINAGAR

Checked & Issued By :

CHEMIST

Designation of Authorized Signatory

End of the Test Report

Outward No.:TL Bhachau/209

Date:-11-10-2024

Taluka Laboratory Bhachau,Gujarat Water Supply & Sewerage Bord,P.H.S.Sub.Division

IS-10500:2012 (2nd Revision)

Sr. No.	Parameter	Unit	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
			Max.	Max.
1	Colour	Hazen	5	15
2	Odour	-	-	-
3	Taste	-	-	-
4	Turbidity	NTU	1	5
5	pH at 25^0C	-	6.5 to 8.5	No relaxation
6	Total Dissolved Solids	mg/l	500	2000
7	Total Alkalinity (as $CaCO_3$)	mg/l	200	600
8	Chloride (as Cl)	mg/l	250	1000
9	Fluoride (as F)	mg/l	1.00	1.50
10	Nitrate (as NO_3)	mg/l	45	No relaxation
11	Sulphate (as SO_4)	mg/l	200	400
12	Calcium (as Ca)	mg/l	75	200
13	Magnesium (as Mg)	mg/l	30	100
14	Total Hardness (as $CaCO_3$)	mg/l	200	600
15	Conductivity	µs/cm	-	-

TALUKA LABORATORY
O/O The Dy. Ex.Eng.
P.H.S Sub Dn.
GWSSB Compound
Bhachau (370140) Kachchh
tl.bhachau@gmail.com

GUJARAT JALSEVA TRAINING INSTITUTE
GWSSB LABORATORIES

REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address
Principal
ST.Xavier's Public School
Mundra

Sender's Ref. No. : ...
Ref. Date : ...
Date & Time of Commencing Examination : 08-Oct-24
Sample collected by : Sender

BW No.	48
Date of Collection	08-Oct-24
Date of Arrival at Lab.	08-Oct-24
Source of Water Sample	Tap Water At School Compound Tube Well
Village	Mundra
Habitation	0
Taluka	Mundra
District	Kachchh
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37° C	0
APHA, AWWA, 9221-F Presence - Absence E-Coli Test, @ 37° C	0
MPN of coliform per 100 ml of sample at 37° C	< 2
MPN of Faecal coliform per 100 ml of sample at 44° C	< 2
Free Chlorine (PPM)	Nil
OPINION FOR POTABILITY :	Safe

Important Note:-

" unsafe* " :- Proper Disinfection may render it safe.
Presence of Coliform in water sample indicates the need of proper Disinfection.
Water Sample contains very high Free Chlorine, such a high Chlorine is not advisable for human consumption.
Free Chlorine shouldn't exceed "0.2 ppm" at the consumar end.Also the analysis is not feasible in presence of such a high Free Chlorine content.
** Presence of Free Chlorine in the water indicates that water is disinfected and hence bacteriologically water is Fit for Potable use.

1) '>=' Indicates greater than or equal to, 2) '<' Indicates less than

NOTE : Table - 6 Bacteriological Quality of Drinking Water (BIS:10500:2012) : Second Rivision.
@ All Water Intended for Drinking -
(a) E.coli or Thermotolerant coliform bacteria shall not be detactable in any 100ml sample.
@ Treated Water Entering the Distribution system & Treated Water in the Distribution system -
(a) E.coli or Thermotolerant coliform bacteria shall not be detactable in any 100ml sample.
(b) Total coliform bacteria shall not be detactable in any 100ml sample.
@ 0.2ppm Free Residual Chlorine at consumer end is recommanded.

1) Test Report is issued for assessing Bacteriological Fitness as per the BIS 10500:2012 for the given Drinking Water Sample only.
2) This Report should not be taken as a basis to getting license from any Government authority.
3) After Collection of Bact. Sample, it must be preserved at 4°C and submitted to laboratory within 24hrs.

Checked By
Chemist /Microbiologyst

TALUKA LABORATORY GUJARAT WATER SUPPLY & SEWERAGE BOARD GUJ. - GANDHINAGAR

Laboratory In Charge
CHEMIST

Outward No.: BAR / 210/ of 2024, Date:11/10/2024