

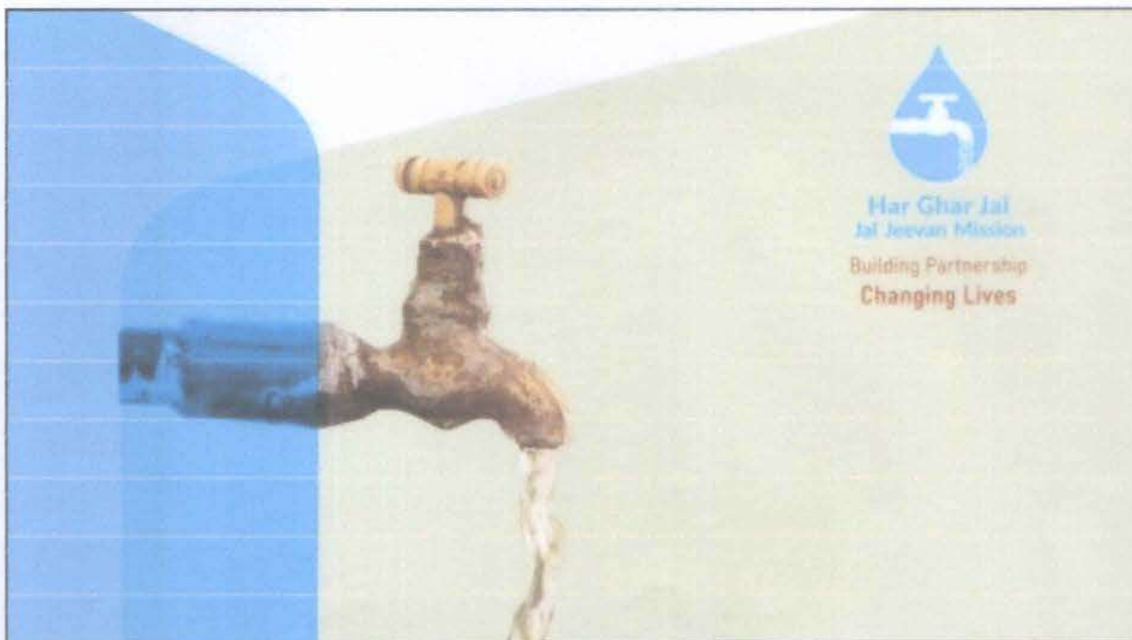
A Brief Report
on
Quality Analysis of Household Drinking Water Sources of Morigaon
District



GOVERNMENT OF ASSAM
PUBLIC HEALTH ENGINEERING
DEPARTMENT (PHED)

Conducted
by
Department of Chemistry
Morigaon College
Collaboration
with
Public Health Engineering Department
Morigaon

Head
Department of Chemistry
Morigaon College



Vision of the project

To build cooperation with Public Health department, Morigaon (Govt. of Assam) and department of Chemistry, Morigaon College preparing a baseline report on current state of drinking water quality throughout the district. The department of Chemistry has create a scientific temperament among students of degree first semester students (Arts, Science and Commerce) by periodic training or evaluation of the workings of the FTKs (Field Testing Kits) women will performance of the FTK group. To ensure that every rural household has drinking water supply in adequate quantity of prescribed quality on regular basis at affordable service delivery charges leading to improvement in living standards of rural communities.

Objectives:

The broad objectives of the of Project work:

- i) To provide Field testing Kits (FTKs) which supplied by PHED, Morigaon to every first semester students of Morigaon College at Laboratory of Chemistry department;
- ii) To prioritize provision of FTKs in quality testing of water samples carried by each student from their home (located in villages of Morigaon district);
- iii) To provide necessary information and lab skill to all Science, Arts and Commerce carried out the laboratory work with their own water sample analysis himself;
- iv) To trained the students to analysis their finding and report writing;
- v) To promote and ensure voluntary ownership among the students;

vi) To empower and develop human resource in the sector of Jal Jiban Mission of Govt. of India.

viii) To bring awareness on various aspects and significance of safe drinking water and involvement of stakeholders in manner that make water everyone's business.

Introduction:

In its purest form, water is two parts hydrogen to one part oxygen, but the presence of other components determines the quality of water.

Water quality is defined as the suitability for consumption based on physical, chemical, and biological characteristics. Poor water quality can pose health risks for humans and ecosystem.

Across Morigaon and the country, the quality and characteristics related to water can vary widely depending on location, environmental exposures, and how the water has been treated and handled.

Whether drinking water is bottled or from the tap, there are many factors that may influence the quality. It is important to understand how water quality and composition change due to natural or human causes. Across the state, water quality can vary tremendously, so it is helpful to know characteristics of the water in our area.

Methodology:

(a) Each student of Morigaon College has collected their water sample from their own home in 1 L plastic Water bottle with proper identification.

(b) Each students taken their water sample to laboratory of Chemistry department and using FTK, they are testing their water samples for (i) pH, (ii) Turbidity, (iii) Total hardness, (iv) Total alkalinity, (v) TDS (vi) Residual Chlorine, (vii) Sulphates, (viii) Nitrates, (ix) Calcium, (x) Iron and (xi) Bacteria

(c) All data reported to department of Chemistry and Faculty of Chemistry department analysis the all data.

(d) A brief report of water samples of Morigaon district will be prepared by the department and will be submitted to PHED to take necessary measures.

Results and Discussions:

Total samples Collected: 850


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Table: Observation report on analysis of water samples(Average)

S/N	Parameter	Range	Drinking Water standards by different organizations	
			WHO	IS:10500
1.	pH	6.0 to 8.5	6.5 -8.5	6.5 -8.5
2.	Turbidity	0 to 50 NTU		1.0 to 5.0
3.	TDS	250 to 850 ppm	500	500
4.	Total alkalinity	75 to 325 ppm		200 to 600
5.	Total Hardness(as CaCO ₃)	160 to 400ppm	500	200 to 500
6.	Residual Chlorine	0 to 0.2 ppm	0.2 to 0.5	0.2 to 1.0
7.	Nitrate	0 to 100 ppm	45	45
8.	Sulphate	< 100 to 200ppm	200	150
9.	Chloride	20 to 200ppm	200	250
10.	Iron	0 to 0.5 ppm	0.3	0.3
11.	Bacteria	10% samples shows positive results	The presence of <i>bacteria</i> indicates faecal contamination of drinking-water due to cross-contamination. Such cross-contamination may occur in buildings due to cross-connection with non-drinking-water systems or during water transport or storage in non-piped water supply conditions where households need to fetch water at a source outside their home.	



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Photographs:



Demonstration by PHED officials



Demonstration by PHED officials

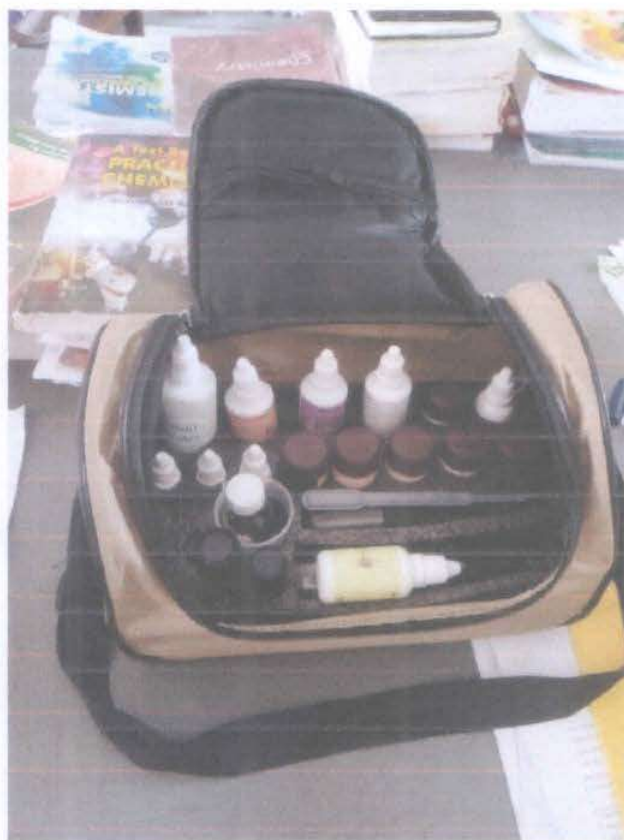

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Hands-on training by PHED officials



Students attending the FTK training programme



Field Testing Kit (FTK): TRANCHEM, Agritech Pvt. Ltd.



Teachers along with students using FTK for water sample analysis



Students analysing water samples using Field Test Kits (FTKs)



Students analysing water samples using Field Test Kits (FTKs)



Water samples submitted by students for analysis



Students analysing water samples using Field Test Kits (FTKs)



Sample bottles to study the presence of bacteria in water samples


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Bacteriological Study

Sl. No	Name	Stream	Roll No.	Village	Block	pH	Turbidity (NTU)	Hardness (mg/L)	Chloride (mg/L)	Residual Chlorine (mg/L)	Iron (mg/L)	Nitrate (mg/L)	Alkalinity (mg/L)	TDS (mg/L)	Sulphate (mg/L)	Bacteriological Study	
1	Himachal Hazarika	Arts		Azarbari	Bhurbandha	6.5	0-5.0	200	60	0	0	0	100	432	100-200	Not Present	
2	Sweete Kumar			Phulbari	Bhurbandha	6	0-5.0	200	60	0	0	0	250	612	100-200	Not Present	
3	Somina Fedu			Goromari	Bhurbandha	6.5	0-5.0	200	40	0	0	0	125	438	<100	Not Present	
4	Bipul Saha			Bhurbandha	Bhurbandha	6	1-5.0	200	40	0	0	10	125	<100	Not Present		
5	Grizer Hussain	Science		Kalyanpur	Morgaon	6-6.5	0-5.0	160	40	0	0	0	75	330	<100	Not Present	
6	Roan Kumar Nath	Science		Niz Daudia	Morgaon	6.5-7	0-5.0	200	60	0	0	0	75	402	<100	Not Present	
7	Hirangshu Borah			Medigaon	Morgaon	6.5-7.0	0-5.0	200	60	0	0	0	75	402	<100	Not Present	
8	Bhaskar Patra			Padaria	Bhurbandha	6-6.5	0-5.0	140	60	0.1	0.1	10	100	330	<100	Not Present	
9	Lalita Mandal			Jangra	Bhurbandha	6	0-5.0	160	40	0.1	0.1	10	150	420	100-200	Not Present	
10	Jupitara Rajbanshi	Science		Haitbar	Kapli (Barangah)	7.5	0-5.0	140	60	0.1	0.1-0.5	10	75	354	100-200	Not Present	
11	Rajana Farin	Science		Talukbari	Bhurbandha	6	0-5.0	200	20	0.1	0.1-0.5	10	75	252	<100	Not Present	
12	Rimil Das	Science	170	Bhumaghat Khundozan	Bhurbandha	6.5-7	0-5.0	200	60	0.1	0	45	125	462	<100	Not Present	
13	Jenita Ahmed	Science	39	Kapurpura	Mayong	6.5-7	0-5.0	200	60	0.1	0.1-0.5	100	75	300	100-200	Not Present	
14	Tamanna Nasrin	Science		Cogalmari Adighar	Mayong	6	0-5.0	200	20	0.1	0.1-0.5	100	75	288	100-200	Not Present	
15	Debjyoti Devi	Science		Rajamanon	Bhurbandha	6	0-5.0	200	20	0.1	0.1-0.5	10	100	288	100-200	Not Present	
16	Popo Borah	Science		Augari	Bhurbandha	7	0-5.0	200	40	0	0	45	75	378	<100	Not Present	
17	Bramita Bikash Borah	Science	54	Nizrikirgaon	Barapajua	6.5	0-5.0	200	40	0	0	45	75	378	<100	Not Present	
18	Sweete Devi			Charabahi	Bhurbandha	6.5	0-5.0	200	40	0	0	45	75	378	<100	Not Present	
19	Krishnapriya Deka			Durdha	Bhurbandha	6	0-5.0	200	120	0	0	10	125	554	100-200	Not Present	
20	Mahani Yasmin			Rashidha	Bhurbandha	6	0-5.0	160	120	0	0	10	150	420	100-200	Not Present	
21	Chirpi Bora			Barangahari	Bhurbandha	6.5	0-5.0	100	100	0	0	10	150	480	100-200	Not Present	
22	Barabi Deka	Science	62	Na-Khandri	Kapli	7.5	25-50	240	175	0	0	0	175	650	100-200	Not Present	
23	Diganta Dewri	Science	61	Phulomari Adarsha	Bhurbandha	7	25-50	200	200	0	0	0	125	534	100-200	Not Present	
24	Lam Devi			Jaybari	Kapli	6	0-5.0	200	180	0	0	10	125	618	100-200	Not Present	
25	Rajen Bora			Augari	Bhurbandha	6	0-5.0	200	180	0	0	10	125	534	100-200	Not Present	
26	Kali Pami Deka			Dumtia	Bhurbandha	6	0-5.0	180	160	0	0	10	125	558	100-200	Not Present	
27	Lakshmi Deka			Kumarguri	Bhurbandha	6.5	0-5.0	220	160	0	0	10	125	558	100-200	Not Present	
28	Sajida Sharma			Charabahi	Bhurbandha	6.5	0-5.0	140	60	0.1	0.1	10	75	714	100-200	Not Present	
29	Sajida Akhtar		93	Goromari	Bhurbandha	6.5	0-5.0	140	60	0.1	0.1	10	75	714	100-200	Not Present	
30	Maria Sulana	Science	191	Saplati	Bhurbandha	6.5	0-5.0	200	20	0.1	0.1-0.5	10	100	384	100-200	Not Present	
31	Suman Kumar Bhuyan	Arts	17	Bakuluri	Bhurbandha	6	0-5.0	200	20	0.1	0.1-0.5	10	100	384	100-200	Not Present	
32	Parvina Bora	Arts	18	Doboshuba	Bhurbandha	6	0-5.0	200	20	0.1	0.1-0.5	10	100	384	100-200	Not Present	
33	Manjira Medhi	Arts		Pachan	Bhurbandha	6	0-5.0	200	20	0.1	0.1-0.5	10	100	384	100-200	Not Present	
34	Mukharaj Hassam			Kalyanpur	Morgaon	6.5	0-5.0	40	75	0	0	10	100	162	>300	Not Present	
35	Tamita Deka			Shibado	Morgaon	6.5	0-5.0	40	75	0	0	10	100	162	>300	Not Present	
36	Ujjal Kakoti			Maysanga	Morgaon	6	0-5.0	160	40	0.1	0.1-0.5	10	100	384	100-200	Not Present	
37	Jaganmoukhe Ronghampi			Niz charabahi	Kapli	6	0-5.0	160	40	0.1	0.1-0.5	10	100	384	100-200	Not Present	
38	Abhishek Patra			Barapajua	Kapli	6.5	0-5.0	200	40	0.1	0.1-0.5	10	100	384	100-200	Not Present	
39	Dipannori Deka			Bhechata	Bhurbandha	6	0-5.0	200	40	0.1	0.1-0.5	10	100	384	100-200	Not Present	
40	Rinku Paul			Frachata	Bhurbandha	6.5	0-5.0	200	40	0.1	0.1-0.5	10	100	384	100-200	Not Present	
41	Nandan Pratim Nath		175	Abumaligaon	Bhurbandha	6	0-5.0	200	120	0	0	10	175	534	100-200	Not Present	
42	Nitipal Patra		50	Jirbari	Bhurbandha	6.5	0-5.0	240	200	0.2	0	0	75	378	100-200	Not Present	
43	Taranjyoti Karika	Science	165	Jirgaon	Bhurbandha	7	25-50	200	200	0	0	0	75	378	100-200	Not Present	
44	Mangal Singh Choudhan	Science	124	Pokalagi	Bhurbandha	6.5	0-5.0	200	20	0	0	0	75	378	100-200	Not Present	
45	Abhisit Kakati	Science	176	Basanaghat	Bhurbandha	6	0-5.0	200	20	0	0	0	75	378	100-200	Not Present	
46	Adarsh Choudhan	Science	90	Rajgaon	Bhurbandha	6	0-5.0	200	20	0	0	0	75	378	100-200	Not Present	
47	Manash Jyoti Tannuli	Science	76	Morinsilingaon	Bhurbandha	6	25-50	200	120	0	0	0	75	378	100-200	Not Present	
48	Anisha Sulana	Science		Paliguri	Bhurbandha	6	25-50	200	120	0	0	0	75	378	100-200	Not Present	
49	Dimple Borah	Science		Morinsilingaon	Bhurbandha	6	25-50	200	120	0	0	0	75	378	100-200	Not Present	
50	Md. Akbar Ali	Science		Morinsilingaon	Bhurbandha	6.5	25-50	200	120	0	0	0	75	378	100-200	Not Present	
51	Tanvi Bera	Science		Navkata	Bhurbandha	6.5	25-50	200	120	0	0	0	75	378	100-200	Not Present	
52	Anshu Pani	Science		Rajgaon	Bhurbandha	6.5	25-50	200	120	0	0	0	75	378	100-200	Not Present	
53	Priyanka Kalita	Science		Borogabari	Bhurbandha	7.5	25-50	240	140	0.5	0.1	10	175	570	100	100	Not Present
54	Rajashree Patra	Science	141	Manamangar	Bhurbandha	6.5	0.5	200	40	0	0	10	175	570	100	100	Not Present
55	Somana Fedu	Science	160	Goromari	Bhurbandha	6	0-5	200	40	0	0	10	125	438	100	100	Not Present
56	Jyotirmann Baruah	Science	146	Na Torbari	Bhurbandha	6	0-5	200	40	0	0	10	125	438	100	100	Not Present
57	Mukhabiddin Islam	Science	124	1 No Noraman	Bhurbandha	6.5	0-5	200	60	0	0	0	175	498	300	Not Present	
58	Abhinav Kakati	Science		Basimgar	Bhurbandha	8.5	0-5	200	20	0	0	0	175	474	100-200	Not Present	
59	Jalilkar Alon	Science	33	Goromari	Bhurbandha	6.5	0-5	160	20	0	0	0	175	426	300	Not Present	

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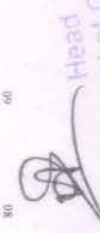
Sl. No	Name	Stream	Roll No.	Village	Block	pH	Turbidity (NTU)	Hardness (mg/L)	Chloride (mg/L)	Residual Chlorine (mg/L)	Iron (mg/L)	Nitrate (mg/L)	Alkalinity (mg/L)	TDS (mg/L)	Sulphate (mg/L)	Bacteriological Study
60	Jyoti Haque	Science	1	Goromari	Laborighat	7	0-3	200	40	0	0.1-0.5	0	125	438	100	Not Present
61	Wasim Akram	Science	197	Kalkhari	Bhurbandha	6.5	10	200	40	0	0.1-0.5	10	150	468	100	Not Present
62	Mubadi Jusaid Alam	Science	132	Goromari	Laborighat	6	0-5	200	40	0	0	10	200	468	100	Not Present
63	Anand Boro	Arts	68	Khandajam	Moying	6.5	0-5	200	40	0	0	10	100	452	300	Not Present
64	Puja Devi	Arts	246	Laharpam	Laborighat	7	0-5.0	200	40	0	0.1-0.5	10	375	690	100	Not Present
65	Mahfija Begum Anbia	Science	163	Gerna ati	Laborighat	6	0-5.0	200	40	0	0.1-0.5	10	150	420	100	Not Present
66	Pranjana Borah	Arts	342	Rupali Beel	Laborighat	6	0-5.0	200	40	0	0	10	100	320	100	Not Present
67	Mafira Parvin Sultana	Science	149	Banpara	Laborighat	8.5	0-5.0	10	40	0	0.1-0.5	10	300	648	100	Not Present
68	Nabamoni Desai	Arts	473	Charburi Nigam	Bhurbandha	6	0-5.0	220	40	0	0.1-0.5	0	200	684	100-200	Not Present
69	Moujara Begam	Arts	30	Naragan	Bhurbandha	6.5	0-5.0	200	120	0	0.1-0.5	0	250	684	100-200	Not Present
70	Chandrama Devi	Arts	215	Habharagabari	Bhurbandha	7	0-5.0	120	20	0	0	0	250	684	100-200	Not Present
71	Hink-jyoti Nath	Arts	87	Dobochitpa	Bhurbandha	7	0-5.0	120	20	0	0	0	250	684	100-200	Not Present
72	Sri Anon Bora	Arts	107	Gatagan	Bhurbandha	7	0-5.0	120	20	0	0	0	250	684	100-200	Not Present
73	Sitarama Raj Deka	Arts	22	Habharagabari	Bhurbandha	6.5	0-5.0	300	6	0	0	10	225	657	100	Not Present
74	Sukanya Devi	Arts	177	Habharagabari	Bhurbandha	6.5	0-5.0	120	30	0	0	0	250	540	100	Not Present
75	Miss Hasbia Begum	Arts	177	Habharagabari	Bhurbandha	6.5	0-5.0	260	4	0	0	10	200	557	100	Not Present
76	Swasatika Phungshang	Science	3rd Sem	Parjari	Margao	6	0-5.0	200	4	0	0	10	200	528	100	Not Present
77	Bishal Nath	Science	3rd Sem	Pub-laligait	Kapali	6	0-5.0	200	60	0	0.1-0.5	10	175	522	100	Not Present
78	Rumi Amphy	Arts	75	Digholburi	Margao	7	0-5.0	200	60	0	0	10	150	468	100	Not Present
79	Harish Deka	Science	3rd Sem	Bagaribari	Margao	6	0-5.0	200	40	0	0	10	150	468	100	Not Present
80	Sagar Nath	Science	3rd Sem	Noobety	Margao	6	0-5.0	200	40	0	0	10	150	468	100	Not Present
81	Rana Paor	Arts	179	Banpara	Margao	7	0-5.0	200	60	0	0	10	175	522	100	Not Present
82	Prasanta Borah	Arts	262	Polahguri	Dolohat	6	0-5.0	200	40	0	0	0	200	552	100-200	Not Present
83	Nim Modhi	Arts	539	Asuri	Bhurbandha	6.5	0-5.0	200	120	0	0.1-0.5	0	250	684	100	Not Present
84	Bhagabatee Devi	Arts	178	Barbagia	Bhurbandha	6.5	0-5.0	120	80	0	0	0	250	540	100	Not Present
85	Sourita Das	Arts	540	Dumari	Bhurbandha	6.5	0-5.0	200	60	0	0.1-0.5	0	250	684	100	Not Present
86	Sushmita Deka	Arts	139	Saimari	Margao	6.5	0-5.0	200	60	0	0	10	175	522	100	Not Present
87	Harsha Bhattachan Das	Science	40	Banpara	Kapali	6.5	0-5.0	200	120	0	0.1-0.5	0	250	552	100-200	Not Present
88	Jay Prakash Bora	Arts	267	Chakabali	Bhurbandha	6	0-5.0	240	60	0	0	0	300	720	100-200	Not Present
89	Sri Hemanta Mishra	Arts	81	Bongal Para	Bhurbandha	7.2	0-5.0	153	20	0	0.0-0.5	0	220	582	100-200	Not Present
90	Mouchem Boridoloi	Arts	319	Barpajia	Kapali	7.5	0-5.0	133	60	0	0	0	220	552	100-200	Not Present
91	Girinda Kr Engti	Arts	567	Borbila	Bhurbandha	6.5	0-5.0	160	60	0	0	0	300	624	100-200	Not Present
92	Bikash Doshi	Arts	566	Kotahguri	Nagan	6	0-5.0	180	20	0	0	0	200	552	100-200	Not Present
93	Nayana dekarja	Arts	365	Barpajia	Bhurbandha	6	0-5.0	160	60	0	0	0	300	624	100-200	Not Present
94	Mrgangshu Kumar Nali	Arts	433	Hole-hora	Margao	6.5	0-5.0	180	20	0	0	0	200	552	100-200	Not Present
95	Anamika Bora	Arts	549	Palahguri	Margao	6.5	0-5.0	200	60	0	0	0	200	552	100-200	Not Present
96	Mandit Jyoti Nath	Science	24	Habhat	Nagarbandha	6.5	0-5.0	200	60	0	0	0	200	528	100	Not Present
97	Prashant Kumar Nath	Science	84	Habhat	Bhurbandha	6	0-5.0	40	40	0	0	0	200	528	100	Not Present
98	Ashabari Borahoi	Arts	93	Gardi Gaon	Barpajia	8	0-5.0	180	20	0	0	0	200	552	100-200	Not Present
99	Sabita Patra	Arts	2	Bagali Para Prakar	Laborighat	7.5	0-5.0	320	20	0	0.1-0.5	10	175	550	100	Not Present
100	Sybn Deka	Arts	103	Niz Dandua	Margao	6.5	0-5.0	360	40	0	0	0	300	630	100	Not Present
101	Bh. Deka	Science	35	Pachina	Margao	6	0-5.0	600	60	0.1	0.4	5	50	1152	100-200	Not Present
102	Bhramka Singh	Arts	95	Kabhan	Margao	6	0-5.0	120	50	0	0.1-0.5	10	250	636	100	Not Present
103	Tina Bora	Arts	95	Auguri	Margao	7	0-5.0	120	60	0	0.1-0.5	10	375	660	100	Not Present
104	Rohit FG Kakati	Science	96	Sonari gaon	Margao	6.5	0-5.0	200	40	0	0.1-0.5	10	200	528	100	Not Present
105	Pranjit Hazarka	Science	23	Khoplungkuchi	Kapali	6	0-5.0	200	40	0	0	0	250	636	100	Not Present
106	Lumshri Rangbhagiri	Arts	558	Bookhabal	Laborighat	6	0-5.0	200	80	0	0	0	125	222	100	Not Present
107	Sahna Khanun	Commerce	90	Barpajia	Kapali	6	0-5.0	200	20	0	0	0	250	636	100	Not Present
108	Keruti Deka	Arts	516	Barpajia	Kapali	6	0-5.0	200	80	0	0	0	250	636	100	Not Present
109	Rahul Nath	Arts	3	Dumacal Gaon	Kapali	6	0-5.0	200	80	0	0	0	250	636	100	Not Present
110	Paliku Pratin Boridoloi	Arts	329	Banmuhari	Margao	6	0-5.0	200	80	0	0	0	250	636	100	Not Present
111	Bekus Begum	Commerce	87	Anaraguri	Laborighat	6	0-5.0	20	20	0	0	0	125	222	100	Not Present
112	Ran Bharali	Arts	187	Nowkate	Bhurbandha	7	0-5.0	30	80	0	0	0	250	636	100	Not Present
113	Sahana Subarna	Arts	355	Barpajia	Bhurbandha	7	0-5.0	30	80	0	0	0	250	636	100	Not Present
114	Rosovanara Begum	Commerce	46	Goromari	Laborighat	6	0-5.0	40	20	0	0	0	125	222	100	Not Present
115	Sangita Patra	Arts	605	Goromari	Bhurbandha	6	0-5.0	760	75	0	0	0	75	75	100	Not Present
116	Mam Anupaly	Arts	73	Bhurbandha	Bhurbandha	6	0-5.0	140	140	0	0	0	75	75	100	Not Present
117	Anita Deuri	Arts	607	Bhurbandha	Bhurbandha	6	0-5.0	140	140	0	0	0	75	75	100	Not Present
118	Satona Begum	Arts	399	Laborighat	Bhurbandha	6	0-5.0	180	180	0	0	0	325	705	100	Not Present

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Bacteriological Study

Sl. No	Name	Stream	Roll No.	Village	Block	pH	Turbidity (NTU)	Hardness (mg/L)	Chloride (mg/L)	Residual Chlorine (mg/L)	Iron (mg/L)	Nitrate (mg/L)	Alkalinity (mg/L)	TDS (mg/L)	Sulphate (mg/L)	Bacteriological Study
119	Kabita Devi	Arts	280	Gnecharohri		6	0.5-0	20	100	0	0	0	350	570	100	Not Present
120	Rahni Paur	Arts	223	Wabari	Mayong	6	0-10.0			0	0	10		270	100	Not Present
121	Raj Kumar Nath	Arts	281	Thammarav	Kapli	6	0-10.0			0	0	10		270	100	Not Present
122	Nikita Devi	Arts	230	Boorbosha	Labarghat	6	0-10.0			0	0	10		270	100	Not Present
123	Akhayit Beergoloi	Arts	189			7.5	0.5-0	60	140	0	0	10	75	270	100-200	Not Present
124	Rishu Momi Deka	Arts	306	Ganmari	Morgaon	6	10	80	200	0	0	10	125	472	100	Not Present
125	Raja Sakia	Arts	369	Navkala	Morgaon	6	0.5-0	100	60	0	0	10	160	432	100-200	Not Present
126	Saena Bakhovva	Commerce	14	Tatala	Labarghat	6	0.5-0	40	40	0	0	10	125	246	100	Not Present
127	Dhruva Nazari	Commerce	88	Bararghat	Morgaon	7	0.5-0	100	20	0	0.1-0.5	0	250	396	100	Not Present
128	Arati Mahanta	Arts	141			6	0.5-0	200	80	10	0	0	150	396	100	Not Present
129	Noni Deka	Arts	40			6	0.5-0	100	20	0	0.1-0.5	0	150	396	100-200	Not Present
130	Prasanta Deka	Arts	650	Seppati	Labarghat	6.5	0.5-0	220	40	0	0	10	120	492	100-200	Not Present
131	Shahana Sultana	Arts	121	Jhargan	Mayong	6	0.5-0	60	80	0	0	10	60	312	100	Not Present
132	Rashid Das	Arts	310	Gnecharohri	Mikribheta	8.5	0.5-0	140	40	0	0	10	60	352	100	Not Present
133	Banashree Devi	Arts	674	Gennagar	Morgaon	7.3	0.5-0	80	100	0	0	10	100	408	100	Not Present
134	Anam Basfor	Arts	255	Sapmari	Morgaon	6	0.5-0	80	160	0	0	10	125	429	100	Not Present
135	Sri Santor	Arts	491	Labahori	Morgaon	6.5	0.5-0	120	160	0	0	10	100	384	100-200	Not Present
136	Chandan Jyotish Nath	Arts	326	Pachhin	Morgaon	6	0.5-0	80	160	0	0	10	96	384	100	Not Present
137	Mimi Das	Arts	13	Labahori	Morgaon	6	0.5-0	140	40	0	0	10	60	352	100	Not Present
138	Barnali Bora	Science	26	Boorbosha	Morgaon	8.5	0.5-0	140	40	0	0	10	60	352	100	Not Present
139	Kangana Devi	Science	65	Durgapur	Bhargan	8	0.5-0	360	40	0	0	10	150	580	100-200	Not Present
140	Suman Bhowar	Science	65	Moransingagan	Morgaon	8	0.5-0	60	40	0	0	10	50	176	100	Not Present
141	Eussein Sultana	Arts	78	Nabhatti Udoy Nagar	Bhargan	7	0.5-0	60	80	0	0.2	0	50	374	100	Not Present
142	Prerana Phangshong	Arts	279		Bhargan	7	0.5-0	150	12	1.5	0.1-0.5	10	200	432	100-200	Not Present
143	Chandana Modak	Arts	253		Bhargan	6	0.5-0	160	40	0	0.2-0.7	0	200	432	100-200	Not Present
144	Barisha Basuya	Arts	194	Borgaon	Bhargan	6	0.5-0	100	60	0	0.1-0.5	0	200	432	100-200	Not Present
145	Krishna Momi Bora	Arts	25	Mikribheta	Bhargan	6.5	0.5-0	100	60	0	0.1-0.5	0	200	432	100-200	Not Present
146	Sabran Sultana	Commerce	25	Bhargan	Bhargan	6.5	0.5-0	120	60	0	0	10	200	432	100-200	Not Present
147	Alauddin Ali	Commerce	3	Nabhatti	Bhargan	6	0.5-0	140	40	0	0	10	125	390	100	Not Present
148	Raju Datta	Commerce	61	Mikribheta	Bhargan	6	0.5-0	140	40	0	0	10	125	390	100	Not Present
149	Dimpal Lahoti	Commerce	96	Nabhatti	Bhargan	6	0.5-0	140	40	0	0	10	125	390	100	Not Present
150	Madhan Naher	Commerce	72	Morgaon Town	Bhargan	6	0.5-0	160	80	0	0	10	172	438	100	Not Present
151	Sumran Choudhury	Commerce	21	Saplat	Bhargan	6	0.5-0	160	80	0	0	10	172	438	100	Not Present
152	Khafid Begam	Commerce	89	Titala	Bhargan	6	0.5-0	160	80	0	0	10	172	438	100	Not Present
153	Soma Yamini	Commerce	89	Kathini	Bhargan	6	0.5-0	160	80	0	0	10	172	438	100	Not Present
154	Johari Beergoloi	Commerce	32	Mikribheta	Bhargan	7	0.5-0	165	20	0.2	0.2	10	125	372	100	Not Present
155	Sujoy Bardoloi	Commerce	60		Bhargan	6	0.5-0	120	60	0	0	10	225	486	100	Not Present
156	Tusha Saha	Commerce	34		Bhargan	6	0.5-0	80	60	0	0	10	100	260	100	Not Present
157	Haunt Deka	Commerce	44		Bhargan	6	0.5-0	60	60	0	0	10	200	408	100-200	Not Present
158	Himangini Jyoti Medhi	Commerce	12		Bhargan	6	0.5-0	60	60	0	0	10	200	408	100-200	Not Present
159	Rakmita Biswas	Commerce	49	Nabhatti	Bhargan	6.5	0.5-0	140	80	0	0.1-0.5	0	175	350	100	Not Present
160	Suranjit Mandal	Commerce	58	Sankardev Nagar	Bhargan	6	0.5-0	80	20	0	0	10	234	234	100	Not Present
161	Koushik D-Sa	Commerce	64		Bhargan	6.5	0.5-0	80	20	0	0.1-0.5	0	100	240	100-200	Not Present
162	Krishna Sakia	Commerce	36	Lokachuchi	Bhargan	6.5	0.5-0	80	20	0	0	10	100	240	100	Not Present
163	Mufird Akbar	Commerce	8	Jalyug	Bhargan	6	0.5-0	60	40	0	0	10	100	240	100	Not Present
164	Moinu Chowhan	Arts	42	Rajagan	Bhargan	6	0.5-0	200	200	0	0	10	375	380	100	Not Present
165	Himpol Nath	Commerce	10	Thamamma	Bhargan	6.5	0.5-0	80	60	0	0	10	150	266	100	Not Present
166	Mithu Madhi	Commerce	27		Bhargan	6.5	0.5-0	80	20	0	0	10	100	266	100	Not Present
167	Supriya Majumdar	Science	168		Bhargan	6	0.5-0	80	40	0	0	10	100	266	100	Not Present
168	Himanki Kowar	Arts	199	Karagari	Bhargan	6	0.5-0	80	40	0.1	0.1	10	250	300	100	Not Present
169	Saranga Dey Nath	Commerce	9	Charabahi	Bhargan	6	0.5-0	80	40	0	0	10	225	486	100	Not Present
170	Kajal Jyoti Medhi	Commerce	1	Pachhin	Bhargan	6.5	0.5-0	120	60	0	0	10	200	432	100-200	Not Present
171	Jitu Goswami	Commerce	33		Bhargan	6	0.5-0	120	60	0	0	10	200	432	100-200	Not Present
172	Dhruva Jyoti Das	Commerce	31		Bhargan	6	0.5-0	80	60	0	0	10	200	432	100-200	Not Present
173	Alakya Sankar Dui	Arts	328		Bhargan	6.5	0.5-0	80	60	0	0	10	200	432	100-200	Not Present
174	Nikhil Deka	Commerce	39	Barpajua	Bhargan	6.5	0.5-0	80	60	0	0	10	200	432	100-200	Not Present
175	Abhijit Sarkar	Commerce	47	Jagi	Bhargan	6.5	0.5-0	80	60	0	0	10	200	432	100-200	Not Present
176	Bhuprik Deka	Commerce	52		Bhargan	6.5	0.5-0	200	60	0	0.1-0.5	0	175	350	100	Not Present
177	Jerita Alam	Arts	370		Bhargan	6	0.5-0	30	60	0	0	10	200	432	100-200	Not Present



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 Department of Chemistry

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Sl. No.	Name	Stream	Ref. No.	Village	Block	pH	Turbidity (NTU)	Hardness (mg/L)	Chloride (mg/L)	Residual Chlorine (mg/L)	Iron (mg/L)	Nitrate (mg/L)	Alkalinity (mg/L)	TDS (mg/L)	Sulphate (mg/L)	Bacteriological Study
178	Bikram Chandang	Commerce	81			6	5	80	60	0	0	10	200	432	100-200	Not Present
179	Rimpriya Deka	Arts	426	Tarami Kalbari	Mayong	6	5	80	60	0.1	0	10	100	260	100	Not Present
180	Rama Mandal	Arts	420	Khandazam	Mayong	6	5	80	60	0.1	0	10	100	260	100	Not Present
181	Dwaadree Enigpi	Arts	653	Chamaboti	Morigaon	6	5	80	60	0.1	0	10	100	260	100	Not Present
182	Ranjam Deka	Arts	26	Morakabong	Morigaon	6.5	25-50	120	40	0	0	0	100	200	300	Present
183	Rajitaj Sahaan	Arts	113	Dabari Gaon	Bhurbandha	6.5	10	5	200	0	0	0	125	248	300	Not Present
184	Irina Begun	Arts	476	Dabari	Bhurbandha	6.5	10	5	200	0	0	0	125	270	100	Not Present
185	Meganta Shekhar Nath	Commerce	106	Kapatera	Mikarbhetia	6.5	0.5-0	120	60	0	0	0	125	248	300	Not Present
186	Imadhar Begun	Arts	600	Moromunlan Gaon	Mayong	6.5	10	5	200	0	0	0	125	248	300	Not Present
187	Anamra Sahaan	Arts	495	Dabari	Bhurbandha	6.5	10	5	200	0	0	0	125	248	300	Not Present
188	Rajomoni Sahaan	Arts	559	Morigaon	Mayong	6.5	10	5	200	0	0	0	125	248	300	Not Present
189	Charajita Sahaan	Commerce	6	Dabari	Morigaon	6.5	0.5-0	120	100	0	0	0	150	400	300	Not Present
190	Baratha Bordoloi	Arts	454	Ladaboti	Morigaon	6	0.5-0	120	140	0	0	10	125	410	100	Not Present
191	Usha Devi	Arts	317	Lebaboti	Laharighat	6.5	10	5	200	0	0	0	125	410	100	Not Present
192	Jitanom Bharadwaj	Arts	138	Jyottingar	Morigaon	6	0.5-0	70	40	0	0	0	150	468	100-200	Not Present
193	Dipankar Medhi	Arts	123	Dham	Bhurbandha	6	0.5-5.0	70	60	0	0.1-0.5	10	123	342	100-200	Not Present
194	Rejwan Ahmed	Science	144	Birakali	Bhurbandha	7	10	180	0	0	0.1-0.5	10	175	498	100-200	Not Present
195	Mangli Roy	Arts	537	Gudbari	Bhurbandha	7	10	180	0	0	0.1-0.5	10	175	498	100-200	Not Present
196	Bhagadatta Brajanath	Commerce	100	Gompa Sompur	Bhurbandha	6	0.5-0	200	60	0	0	0	200	432	100-200	Not Present
197	Digbijoy Nath	Science	623	Nr. Dighalia	Morigaon	6	0.5-0	180	20	0.1	0.5	10	175	498	100-200	Not Present
198	Gourabi Mondal	Arts	367	Rani Pathar	Morigaon	6.5	10	140	120	0	0.1-0.5	10	225	582	100-200	Not Present
199	Banusha Medhi	Arts	625	Eragoon	Morigaon	6.5	10	140	120	0	0.1-0.5	10	225	582	100-200	Not Present
200	Paban Bordoloi	Arts	39	Pokarkata	Morigaon	6	0.5-0	70	40	0	0	0	150	468	100-200	Not Present
201	Pawan Barua	Arts	56	Rama Pathar	Morigaon	6	0.5-0	240	140	0.5	0.6	10	75	75	Not Present	
202	Chayanka Medhi	Arts	580	Gudbari	Morigaon	6	25-50	260	180	0	0	0	425	825	100	Not Present
203	Ranjim Mazumdar	Arts	24	Jaluguti	Mikarbhetia	6	0.0-0.0	280	220	0	0	0	450	950	100	Not Present
204	Sekh Haana	Arts	696	Pachalia	Morigaon	6	0.5-0	20	120	0	0	0	375	695	100	Not Present
205	Nazim Begun	Arts	586	Dabari	Mayong	6	0.5-0	20	220	0	0	0	450	950	100	Not Present
206	Disha Mazumdar	Arts	471	Jaluguti	Mikarbhetia	6	0.5-0	140	20	0	0	0	200	384	100	Not Present
207	Richa Maata Kakati	Science	70	Barangaboti	Bhurbandha	6	0.5-0	140	60	0	0	0	200	384	100-200	Present
208	Jona Bora	Commerce	41		Bhurbandha	6	0.5-0	100	60	0	0.1-0.5	0	200	432	100-200	Not Present
209	Rababi Deka	Science	14	Besanabari	Morigaon	6.5	0.5-0	100	20	0	0	0	150	324	100	Not Present
210	Himabi Baruah	Science	4	Kalyanpur	Morigaon	6.5	0.5-0	100	20	0	0	0	150	324	100	Not Present
211	Barabera Konar	Arts	343	Konimgar	Morigaon	6	0.5-0	260	20	220	0	0	450	950	100	Not Present
212	Talimat Das	Arts	441	Ahangari Gaon	Morigaon	6	0.5-0	200	120	0	0	0	375	695	100	Not Present
213	Chandira Mohan Das	Commerce	26	Saiguan	Kapali	6	0.5-0	100	60	0	0.1-0.5	0	200	432	100-200	Not Present
214	Rumeza Sahaan	Commerce	5	Moromunlan Gaon	Morigaon	6	0.5-0	100	60	0	0	0	200	432	100-200	Not Present
215	Reu Moni Medhi			Kalbari	Bhurbandha	7	0.5-0	200	800	0	0	0	50	1260	100	Not Present