



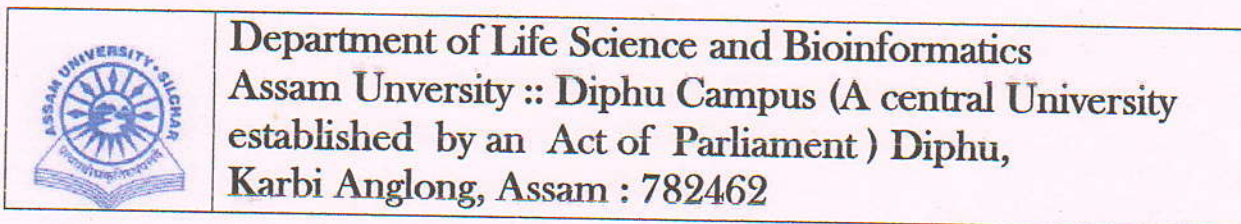
ENVIRONMENT AUDIT

Diphu Government College
Diphu, Assam



[Signature]
20/3/2023
Head
Dept. of Life Science & Bioinformatics
Assam University::Diphu Campus
Diphu, Karbi Anglong, Assam

A



To

The Principal,

Diphu Govt. College,
Diphu, Karbi Anglong, Assam.

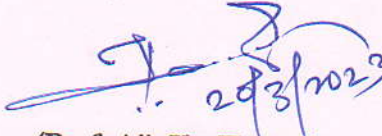
PIN 782462

Date: 20-03-2023

Environment Audit Certificate

This is to certify that the Environment audit report prepared by the internal committee for "Institutional Values and Best Practices" of your college has been studied and scrutinized by the undersigned and found to be satisfactory.

I wish that your college excels and shine in the academic atmosphere as well as all related fields of society at large in the state of Assam in the days to come.


(Prof. Ajit Kr. Tamuli)

Head
Dept. of Life Science & Bioinformatics
Assam University::Diphu Campus
Diphu, Karbi Anglong, Assam

Introduction

Environment, especially the physical surrounding of an educational institution is an indicator of development in regard to health and hygiene. It includes the aspects of cleanliness and garbage disposal, vehicular pollution, noise pollution, and so on and so forth. Environment auditing is the process of identifying and determining whether the institutional practices are eco-friendly and sustainable.

An attempt has been made to identify and to assess the status of environment in Diphu Government College.

Compliance and Reporting

Diphu Government College has been playing the role of a premier educational institution of the entire district in the field of higher education since long. With an annual enrollment of around 4500 students, it is, sometimes found to be challenging task to maintain the environmental aspects up to the mark.

The authority of Diphu Government College engages a number of full-time cleaners and jamadars to make the campus clean and beautiful.

MoU for Garbage Disposal and Waste Management

In order to dispose of garbage, an MoU has been signed with **Diphu Municipal Board, Diphu**. The gathered biodegradable and non-biodegradable garbage produced in the college are collected by the carrying van of the Board at a regular interval of time.



Disposal of Garbage in the Campus

[Signature]
20/3/2023
Head
Dept. of Life Science & Bioinformatics
Assam University, Diphu

Having been adorned with fifteen departments, a large computer laboratory and a busy administrative office, the College generates a considerable quantity of e-waste every year. A formal agreement-MoU has been made with **Digit Software Consultancy, Diphu** in order to manage the e-waste in the College campus.

The vehicular movement in the campus is a matter of consideration in respect of air and noise pollutions. The PWD main road passing through the college campus is used by public too. The free movement of large number of two, three, four-wheelers and even trucks, buses, water tankers, etc. are always plying over the road. At many times it creates chaotic situations disturbing educational environment.

Most of the teaching and non-teaching staff, many of the student fraternity use two and four-wheeler vehicles in the college campus. A on-spot survey has been conducted in the campus during the peak hours (9:00 am – 1:00 pm) in order to enumerate the number of vehicles moving in the college campus. Following is the result as per the survey.

Vehicular Movement in the College Campus

| UP (Plying the main road) | | | | DOWN (Plying the main road) | | | | ENTRY (Into the College premises) | | |
|---------------------------|---------------|--------------|-------------|-----------------------------|---------------|--------------|-------------|-----------------------------------|---------------|--------------|
| Two-wheeler | Three-wheeler | Four-wheeler | Six-wheeler | Two-wheeler | Three-wheeler | Four-wheeler | Six-wheeler | Two-wheeler | Three-wheeler | Four-wheeler |
| 235 | 182 | 155 | 6 | 256 | 125 | 178 | 5 | 231 | 7 | 68 |
| Total: 578 | | | | Total: 564 | | | | Total: 306 | | |

Water Sources and Facilities

Diphu Government College has two sources of water. One is PHE (Public Health and Engineering) supply-water and the other is Deep Tube Well (Borewell) water. The PHE water is potable and is facilitated for drinking purpose to the college community. The borewell water is used for other purposes.

As per the test reports done by the Public Health and Engineering Department, Diphu, Government of Assam, the borewell water is containing calcium (lime) of 10.4208 mg/L, pH value 7.46, Chloride 22.688 mg/L, Fluoride 0.288 mg/L, TDS 334 mg/L and Alkalinity 104 mg/L.

On the other hand, the PHE Supply water contains pH value 7.61, Chloride 7.09 mg/L, Alkalinity 4.0 mg/L, Fluoride 0.407 mg/L, TDS 16.02 mg/L, Calcium 14.4288 mg/L and Magnesium 3.402 mg/L.



Borewell Water supply in the College Campus

Drainage and Sewage of the College Campus

The natural drainage system of rain-waters follows the slope of the undulating landscape towards east and west and finally bring them to the Lorulangso stream located at around three hundred meters away to the south. Hence, no waterlogging problem arises in the campus. Further, the waste-water and other liquid waste-matters in the campus are drained by proper sewage system.

Conclusion

Our objectives, being an educational institution, are focussed on society's wellbeing through collective efforts. This exclusive Environment Audit presentation is an attempt of self-evaluation of our existing surrounding milieu of Diphu Government College. Keeping in view the findings, the College fraternity is always aware in maintaining pollution levels as it may not be harmful in the long run. This may require framing of rules and regulations in the College for the greater interest of the institute as well as for the society as a whole in the near future.

* * * * *

[Signature]
 20/3/2023
 Head
 Dept. of Life Science & Bioinformatics
 Assam University::Diphu Campus
 Diphu, Karbi Anglong, Assam

District Level Laboratory
Address: Office of the Executive Engineer (PHE), Diphu
Division: Diphu (Rural)

Test Report

Test Report No.: **Diphu /DLL(R)/ 2023 – 24/ 1276**

ULR NO.: TC1068223000000526F

Issued To: Riajur Rahman

Sample Description: Drinking Water

Vill: Diphu Block: Lumbajong MAC: Lumbajong

Sample Type: Deep Tube Well (Raw)

Sample collected on dated: 20/04/23

Sample collected by: Riajur Rahman

Issue Date: **21/04/23**

Sample received on dated: 20/04/23

Sample Location: **DIPHU GOVT COLLEGE, DIPHU**

Quantity: **1 ltr**

Date of Analysis started: 20/04/23

Date of Analysis Complete: 20/04/23

| Sl. No. | Parameter | Protocol Used | Results | IS: 10500:2012 (Second Revision) | | Unit |
|---------|------------------------------|---|---------|----------------------------------|--|----------|
| | | | | Desirable limit | Max. Permissible limit (in absence better alternate source) | |
| 1 | pH | IS: 3025: Part 11 @ 25 °C | 7.46 | 6.5 – 8.5 | No relaxation | PH Units |
| 2 | Turbidity | IS: 3025: Part 10 | 0.05 | 1 | 5 | NTU |
| 3 | Iron | APHA 3500- Fe B | - | 0.3 | No relaxation | mg/L |
| 4 | Chloride | IS: 3025: Part 32 | 22.688 | 250 | 1000 | mg/L |
| 5 | Total Hardness | IS: 3025: Part 21 | 56 | 200 | 600 | mg/L |
| 6 | Total Alkalinity | IS: 3025: Part 23 | 104 | 200 | 600 | mg/L |
| 7 | Fluoride | APHA 4500-F ⁻ D IS: 3025 (Part 60) | 0.288 | 1.0 | 1.5 | mg/L |
| 8 | Total dissolved Solids (TDS) | IS: 3025: Part 16 | 334 | 500 | 2000 | mg/L |
| 9 | Calcium | IS: 3025: Part 40 | 10.4208 | 75 | 200 | mg/L |
| 10 | Sulphate | IS: 3025: Part 24 | - | 200 | 400 | mg/L |
| 11 | Magnesium | APHA 3500-Mg B | - | 30 | 100 | mg/L |

Opinion: The Parameter Tested at Sl. No. __ In the test report does not meet the requirement of IS 10500:2012 (Second Revision)
Notes:

1. The results given above are related to the sample as received and tested in this laboratory. Reliability of sample lies with the sender.
2. The test report cannot be regenerated/re-produced in whole or in part without written permission of Laboratory.
3. The test report cannot be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed of after 15 days from the date of issue of test report unless until specifically requested by the customer for retaining over a longer period.
5. All tests are performed at temperature 25 ± 2 °C and humidity 55 ± 10 %.

Reviewed By: **Quality Manager**


Authorized Signatory: Quality Manager
Sophiya Hansepi
Quality Manager
Diphu DLL (PHED)

.....END OF TEST REPORT.....

District Level Laboratory
Address: Office of the Executive Engineer (PHE), Diphu
Division: Diphu (Rural)

Test Report

Test Report No.: **Diphu /DLL(R)/ 2023 – 24/ 1277**

ULR NO.: TC1068223000000527F

Issued To: Riajur Rahman

Sample Description: Drinking Water

Vill: Diphu Block: Lumbajong MAC: Lumbajong

Sample Type: Supply Water (Raw)

Sample collected on dated: 20/04/23

Sample collected by: Riajur Rahman

Issue Date: **21/04/23**

Sample received on dated: 20/04/23

Sample Location: **DIPHU GOVT COLLEGE, DIPHU**

Quantity: 1 ltr

Date of Analysis started: 20/04/23

Date of Analysis Complete: 20/04/23

| Sl. No. | Parameter | Protocol Used | Results | IS: 10500:2012 (Second Revision) | | Unit |
|---------|------------------------------|----------------------------------|---------|----------------------------------|---|----------|
| | | | | Desirable limit | Max. Permissible limit (in absence better alternate source) | |
| 1 | pH | IS: 3025: Part 11 @ 25 °C | 7.16 | 6.5 – 8.5 | No relaxation | PH Units |
| 2 | Turbidity | IS: 3025: Part 10 | 0.05 | 1 | 5 | NTU |
| 3 | Iron | APHA 3500- Fe B | - | 0.3 | No relaxation | mg/L |
| 4 | Chloride | IS: 3025: Part 32 | 5.672 | 250 | 1000 | mg/L |
| 5 | Total Hardness | IS: 3025: Part 21 | 48 | 200 | 600 | mg/L |
| 6 | Total Alkalinity | IS: 3025: Part 23 | 8 | 200 | 600 | mg/L |
| 7 | Fluoride | APHA 4500-F D IS: 3025 (Part 60) | 0.406 | 1.0 | 1.5 | mg/L |
| 8 | Total dissolved Solids (TDS) | IS: 3025: Part 16 | 14.02 | 500 | 2000 | mg/L |
| 9 | Calcium | IS: 3025: Part 40 | 4.008 | 75 | 200 | mg/L |
| 10 | Sulphate | IS: 3025: Part 24 | - | 200 | 400 | mg/L |
| 11 | Magnesium | APHA 3500-Mg B | 9.234 | 30 | 100 | mg/L |

Opinion: The Parameter Tested at Sl. No. In the test report does not meet the requirement of IS 10500:2012 (Second Revision)
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Reviewed By: Quality Manager


Authorized Signatory: Quality Manager
Sophiya Hansepi
Quality Manager
Diphu DLL (PHED)

.....END OF TEST REPORT.....

District Level Laboratory
Address: Office of the Executive Engineer (PHE), Diphu
Division: Diphu (Rural)

Test Report

Test Report No.: **Diphu /DLL(R)/ 2021 – 22/ 1276**

ULR NO.: TC1068223000000309F

Issued To: Riajur Rahman

Sample Description: Drinking Water

Vill: Diphu Block: Lumbajong MAC: Lumbajong

Sample Type: Deep Tube Well (Raw)

Sample collected on dated: 15/02/22

Sample collected by: Riajur Rahman

Issue Date: **16/02/22**

Sample received on dated: 15/02/22

Sample Location: **DIPHU GOVT COLLEGE, DIPHU**

Quantity: **1 ltr**

Date of Analysis started: 15/02/22

Date of Analysis Complete: 15/02/22

| Sl. No. | Parameter | Protocol Used | Results | IS: 10500:2012 (Second Revision) | | Unit |
|---------|------------------------------|---|---------|----------------------------------|--|----------|
| | | | | Desirable limit | Max. Permissible limit (in absence better alternate source) | |
| 1 | pH | IS: 3025: Part 11 @ 25 °C | 7.21 | 6.5 – 8.5 | No relaxation | PH Units |
| 2 | Turbidity | IS: 3025: Part 10 | 0.05 | 1 | 5 | NTU |
| 3 | Iron | APHA 3500- Fe B | - | 0.3 | No relaxation | mg/L |
| 4 | Chloride | IS: 3025: Part 32 | 8.508 | 250 | 1000 | mg/L |
| 5 | Total Hardness | IS: 3025: Part 21 | 54 | 200 | 600 | mg/L |
| 6 | Total Alkalinity | IS: 3025: Part 23 | 16 | 200 | 600 | mg/L |
| 7 | Fluoride | APHA 4500-F ⁻ D IS: 3025 (Part 60) | 0.288 | 1.0 | 1.5 | mg/L |
| 8 | Total dissolved Solids (TDS) | IS: 3025: Part 16 | 314 | 500 | 2000 | mg/L |
| 9 | Calcium | IS: 3025: Part 40 | 7.2144 | 75 | 200 | mg/L |
| 10 | Sulphate | IS: 3025: Part 24 | - | 200 | 400 | mg/L |
| 11 | Magnesium | APHA 3500-Mg B | 8.748 | 30 | 100 | mg/L |

Opinion: The Parameter Tested at Sl. No. ___ In the test report does not meet the requirement of IS 10500:2012 (Second Revision)

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Reviewed By: **Quality Manager**

Authorized Signatory: **Quality Manager**
Sophiya Hansepi

Quality Manager
Diphu DLL (PHED)

.....END OF TEST REPORT.....

District Level Laboratory
Address: Office of the Executive Engineer (PHE), Diphu
Division: Diphu (Rural)

Test Report

Test Report No.: **Diphu /DLL(R)/ 2021 – 22/ 1275**

ULR NO.: TC106822300000308F

Issued To: Riajur Rahman

Sample Description: Drinking Water

Vill: Diphu Block: Lumbajong MAC: Lumbajong

Sample Type: Supply Water (Raw)

Sample collected on dated: 15/02/22

Sample collected by: Riajur Rahman

Issue Date: **16/02/22**

Sample received on dated: 15/02/22

Sample Location: **DIPHU GOVT COLLEGE, DIPHU**

Quantity: **1 Itr**

Date of Analysis started: 15/02/22

Date of Analysis Complete: 15/02/22

| Sl. No. | Parameter | Protocol Used | Results | IS: 10500:2012 (Second Revision) | | Unit |
|---------|------------------------------|---|---------|----------------------------------|--|----------|
| | | | | Desirable limit | Max. Permissible limit (in absence better alternate source) | |
| 1 | pH | IS: 3025: Part 11 @ 25 °C | 7.61 | 6.5 – 8.5 | No relaxation | PH Units |
| 2 | Turbidity | IS: 3025: Part 10 | 0.05 | 1 | 5 | NTU |
| 3 | Iron | APHA 3500- Fe B | - | 0.3 | No relaxation | mg/L |
| 4 | Chloride | IS: 3025: Part 32 | 7.09 | 250 | 1000 | mg/L |
| 5 | Total Hardness | IS: 3025: Part 21 | 50 | 200 | 600 | mg/L |
| 6 | Total Alkalinity | IS: 3025: Part 23 | 4 | 200 | 600 | mg/L |
| 7 | Fluoride | APHA 4500-F ⁻ D IS: 3025 (Part 60) | 0.407 | 1.0 | 1.5 | mg/L |
| 8 | Total dissolved Solids (TDS) | IS: 3025: Part 16 | 16.02 | 500 | 2000 | mg/L |
| 9 | Calcium | IS: 3025: Part 40 | 14.4288 | 75 | 200 | mg/L |
| 10 | Sulphate | IS: 3025: Part 24 | | 200 | 400 | mg/L |
| 11 | Magnesium | APHA 3500-Mg B | 3.402 | 30 | 100 | mg/L |

Opinion: The Parameter Tested at Sl. No. ___ In the test report does not meet the requirement of IS 10500:2012 (Second Revision)
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Reviewed By: **Quality Manager**

Authorized Signatory: **Quality Manager**
Sophiya Hansepi
Quality Manager
Diphu DLL (PHED)

.....END OF TEST REPORT.....