



Assam Bio Ethanol Private Limited

(Formerly Assam Bio Refinery Private Limited)

CIN : U74999AS2018PTC018547

Ref.: ABEPL/EHS/2026/09/01

Date: 28th September 2026

To,
The Member Secretary
Pollution Control Board Assam,
Bamunimaidam, Guwahati – 781021.

Sub: Submission of Annual Environmental Statement for FY'2025-2026

Ref. No: 1. F. No. J-11011/274/2015-IA II (I) dated 19th November 2019
2. SEAC & SEIAA Proposal No. SIA/AS/IND2/524235/2025

Dear Sir,

Kindly find enclosed herewith the Annual Environmental Statement in the prescribed format of Form V for the Financial Year 2025-26. It pertains to the conditions of the Environmental Clearance (EC) vide letter No. F.No. J-11011/274/2015-IA II (I) dated 6th November 2017, and the subsequent amendments dated 19th November 2019 and 5th January 2021, issued by MoEF&CC in favour of Assam Bio Refinery Private Limited (ABRPL) for the Bio Refinery (Bamboo-based Ethanol Project). It also covers the special conditions cited via SEAC & SEIAA Proposal No. SIA/AS/IND2/524235/2025.

The statement is submitted for your kind information and records.

Thanking You,

Yours faithfully

Sidhartha Sankar Kowndilya
Deputy Manager-EHS,
Assam Bio Ethanol Private Limited.

Encl.: 1. Form V: Environmental Statement of Assam Bio Ethanol Private Limited.
2. Environmental Monitoring report of March 2026.

C.C.to:

1. **Golaghat Regional Pollution Control Board:** Pollution Control Board Assam, Arengapara, Near Golaghat DTO Office, Golaghat, PIN: 785621.
2. **The Conservator of Forests (C):** Ministry of Environment, Forest and Climate Change, Integrated Regional Office, 4th Floor, HOUSEFED Building, G.S.Road, Rukminigaon, Guwahati-781022

[FORM – V]

(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING WITH
31ST MARCH 2026

PART – A

(i) Name and address of the owner/occupier of the industry operation or process	Mr. Rupjyoti Hazarika, CEO Assam Bio Ethanol Private Limited P.O.: NR Project, Dist.: Golaghat, Assam, India PIN- 785699
Registered Office	Assam Bio Ethanol Private Limited NRL Building, 122A, G.S. Road, Christianbasti Guwahati-781005
(ii) Industry category Primary (STC Code) Secondary (SIC Code)	Red Category 5(g) Distilleries,
(iii) Product Capacity	Ethanol - 49000 TPA Acetic Acid - 11000 TPA Furfural - 19000 TPA Carbon Dioxide - 32000 TPA Fly Ash - 6000 TPA
(iv) Year of establishment	2018. The project was inaugurated on 14.09.2025. It is currently in the stabilisation phase, progressing towards commercial production.
(v) Date of the last environmental statement submitted	28.09.2023

PART – B

Water and River Material Consumption

(1) Water consumption m3/d:

Process	4
Cooling	62
Domestic	12

Name of Products	Process water consumption per unit of product output	
	During the previous financial Year 2024-2025	During the current Financial Year 2025-2026
Ethanol	NA	73
Acetic Acid	NA	NA
Furfural	NA	NA
Co2	NA	NA
Fly Ash	NA	NA

Specific process water consumption during FY 2025–26 was 73 KL/KL of ethanol, based on process water consumption of 1,306 m³ and ethanol production of 18 KL. The high specific consumption is primarily attributable to the commissioning, stabilisation and ramp-up phase of the 2G biorefinery, during which water

was consumed for process trials, cleaning, flushing and utility operations against limited commercial production. Therefore, the FY 2025–26 specific consumption is not representative of normal operating conditions.

ii) **Raw Material Consumption**

Name of raw materials	Name of products	Consumption of raw material per unit of output									
		During the previous financial year (MT/MT)					During the current financial year (MT/MT)				
		Ethanol	Acetic Acid	Furfural	Co2	Fly Ash	Ethanol	Acetic Acid	Furfural	Co2	Fly Ash
Bamboo chips	Ethanol / Acetic Acid / Furfural / Co2 / Fly Ash	NA	NA	NA	NA	NA	15.5	NA	NA	NA	NA
Formic acid		NA	NA	NA	NA	NA	184.1	NA	NA	NA	NA
Enzyme		NA	NA	NA	NA	NA	3.7	NA	NA	NA	NA
Yeast		NA	NA	NA	NA	NA	0.1	NA	NA	NA	NA
Liquid Ammonia		NA	NA	NA	NA	NA	2.6	NA	NA	NA	NA
Urea		NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA

Note: ABEPL is an integrated multi-product biorefinery in which bamboo is processed simultaneously to produce ethanol, acetic acid, furfural, bio-coal, stillage and carbon dioxide.

PART - C

Pollution discharged to environment/unit of output

Pollutants		Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water				
	Domestic	Zero discharge	-	-
	Industrial	Zero discharge	-	-
(b) Air				
	CHP Stack Emission	Tonnes /Day	mg/Nm3	%
	SO ₂	0.00295		
	NO _x	0.02063		
	PM	0.00138		

Note: Discharged water from ABEPL is treated in the Effluent Treatment Plant of NRL

Ambient Air Quality Monitoring, Ground Water analysis and Noise level monitoring report attached.

PART – D

Hazardous Wastes

(as specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity	
	During the previous Financial Year 2024-25	During the current Financial year 2025-26
(a) From Process	Nil	Nil
(b) From Pollution control facilities	Nil	Nil

PART – E
Solid Wastes

Solid Wastes generated/ disposed	Total Quantity	
	During the previous financial year 2024-25	During the current financial year 2025-26
(a) From process	Nil	Nil
(b) From pollution control facility	Nil	Nil
(c) (i) Quantity recycled or re-utilized within the unit	Nil	Nil
(ii) Sold (Wooden + Card boxes)	Nil	19.13 MT
(iii) Disposed	Nil	Nil

PART – F

Please specify the characterizations (in terms of the composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

A. Hazardous Wastes

Sl. No.	Type of Hazardous Waste	Source/Characteristics	Disposal / Management Practice
1	Used/Waste Lubricating Oil	Generated from maintenance of pumps, compressors, gearboxes, and other rotating equipment; may contain hydrocarbons and metallic impurities	Collected in designated containers and stored in the hazardous-waste storage area before being handed over to an authorised recycler/disposer.
2	Used Oil-Contaminated Cotton Waste/Rags	Generated during maintenance and cleaning activities; contaminated with lubricating oil and grease	Segregated from general waste and stored in the designated hazardous-waste storage area before disposal through an authorised agency
3	Used/Spent Oil Filters	Generated during maintenance and replacement of lubrication and hydraulic systems	Collected separately and stored in the designated hazardous-waste storage area before disposal through an authorised recycler.
4	Chemicals/Containers, if any	Generated from laboratory, maintenance and process-chemical handling activities	Containers suitable for reuse are reused as per plant requirements. Other containers are segregated and handed over through approved disposal/recycling arrangements.
5	Process Chemical Drains/Residues	Draining of equipment and pipelines during operation and maintenance and accidental spillages	Collected through the CDD collection system and routed to the Neutralisation Pit and ETP based on the characteristics of the collected stream.

6	E-Waste, Batteries and Other Universal Wastes	Replacement of electrical and electronic equipment. UPS, emergency power and electrical systems.	Stored separately and handed over to an authorised e-waste/battery recycler.
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B. Solid and Non-Hazardous Wastes

Sl. No.	Type of Solid Waste	Source/Composition	Disposal / Utilization Practice
1	Bamboo Dust and Residues	Organic lignocellulosic residues generated during bamboo chipping and handling of bamboo chips.	ABEPL is developing utilisation options for activated charcoal, biochar, briquettes, pellets and other products.
2	Biomass Ash /Fly Ash	Mineral ash generated from biomass	Developing utilisation options for authorized beneficial applications such as paver blocks, bricks, fertilisers etc.
3	Municipal/General Solid Waste	Food waste, paper, plastic, packaging material and other non-hazardous wastes from offices, warehouse, operational activities and common facilities	Segregated at source into biodegradable, recyclable and residual fractions. Recyclables are sent to authorized recyclers, while other waste is managed through authorized local arrangements.
4	Scrap Metal	Generated during maintenance and replacement of equipment and components	Segregated and collected for disposal or selling of through authorized scrap recyclers.

ABEPL follows the principles of waste minimization, segregation at source, resource recovery and environmentally sound disposal. Efforts are made to minimize landfill disposal by maximizing recycling, recovery and beneficial utilization of process residues.

PART – G

Impact of the pollution abatement measures taken on the conservation of natural resources and the cost of production.

ABEPL has implemented environmental-management and pollution-control measures as part of its bamboo-based 2G bio-refinery operations. These measures support efficient utilization of natural resources and compliance with applicable environmental requirements.

1. Conservation of Natural Resources

- Renewable biomass utilization: Bamboo is used as the principal renewable feedstock for production of ethanol and other value-added products.
- Resource recovery: Process residues and co-products are utilized/recovered, wherever technically feasible, thereby improving overall resource utilization.
- Energy efficiency: Internal utilization of suitable process streams and biomass residues contributes to efficient energy utilization.
- Water conservation: Water consumption is monitored and opportunities for recycling and reuse are implemented wherever technically feasible.
- Waste minimization: Segregation, recycling and beneficial utilization of suitable wastes and process residues are undertaken to minimize disposal requirements.
- Plantation development: Bamboo Plantation are undertaken by issuing Free bamboo saplings to the Farmers. During FY 2025–26, 1,11,900 bamboo saplings were distributed as part of bamboo development initiatives.

2. Impact on Cost of Production

The operation and maintenance of environmental-control systems, environmental monitoring, waste management and water-management facilities involve additional operating and maintenance expenditure.

Particular	Expenditure (₹)
Environmental monitoring	47,200
Air-emission-control systems	24,70,80,000
Water treatment and reuse	17,10,612
Total	24,88,37,812

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

ABEPL proposes to progressively strengthen its environmental management practices, subject to operational requirements and statutory directions. The key measures under consideration include:

1. Environmental Monitoring: Strengthening of environmental monitoring and maintenance of CEMS/online monitoring systems.
2. Water Management: Optimization of water consumption and enhancement of recycling/reuse of treated wastewater, wherever technically feasible.
3. Pollution Control: Continued effective operation and maintenance of air and wastewater pollution-control systems and reduction of fugitive emissions through improved housekeeping and maintenance.
4. Waste Management: Further improvement in waste segregation, recycling/reuse and environmentally compliant disposal through authorized agencies.
5. Greenbelt: Progressive maintenance and development of greenbelt within the project premises, as applicable.
6. Environmental Management: Strengthening of environmental compliance monitoring, periodic internal reviews and awareness programmes for employees and contractors.
7. Energy & Resource Efficiency: Periodic review of opportunities for energy, resource and carbon-efficiency improvements.

Implementation of the above measures will be taken up progressively, based on statutory requirements, operational needs, technical feasibility and availability of approved resources.

PART – I

Any other particulars for improving the quality of the environment.

ABEPL's environmental contribution is linked directly to the utilisation of bamboo to produce second-generation ethanol, chemicals and renewable energy.

The following activities were undertaken for Bamboo Resource Development:

- Total Number of registered bamboo suppliers/farmers: ~4200
- Bamboo nurseries supported/operated: 3 nurseries of 5 hectares each.
- Area targeted for bamboo plantation: ~12,500 hectares

Particulars	FY 2025–26	Total Till Date
Bamboo saplings supplied by the Tissue Culture Laboratory	5,90,000	7,85,000
Bamboo saplings produced at all nurseries	8,85,000	12,50,044
Bamboo saplings distributed	1,11,900	3,08,649
Area developed under bamboo plantation	~279 hectares	~771 hectares

Overall, ABEPL's integrated approach towards renewable feedstock utilization, advanced biofuel production, renewable energy generation, resource recovery, pollution prevention and sustainable supply-chain development contribute towards improving environmental quality and promoting sustainable industrial development in the Northeast region.

Format No.: ENV/R/TR/19/AA-01

Rev. No.: 00

TEST REPORT

ULR No.	NA	Issue Date	03/04/2026
Report No.	ENV/TR/ABEPL/25-26/A-04	Order Date	NA
Order No.	NA		
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/A-260325/01	Sample Source#:	East Side: Near Seuj Dwar	Sample Type#:	Ambient Air
Date of Sampling:	25.03.2026	Sample Receipt Date:	27.03.2026	Instrument Used:	ENV/AS/01, ENV/RDS/01, ENV/GSA/01
Analysis Start Date:	28.03.2026	Analysis End Date:	03.04.2026	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-28°C & RH-67%	Sampling Plan/Sapling Method:	ENV/SOP/A-01		

TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Limits*
Discipline / Group : Chemical / Atmospheric Pollution					
1.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	IS 5182 (Part 24)	16.2	µg/m ³	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM ₁₀	IS 5182 (Part 23)	52.8	µg/m ³	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO ₂)	IS 5182 (Part 2)	8.4	µg/m ³	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO ₂)	IS 5182 (Part 6)	11.6	µg/m ³	80 (24 Hours Average)

NA: Not Applicable, BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Information provided by the customer for which laboratory has no control.

* Limits as per G.S.R. 826(E), 16.11.2009

*****End of Report*****



Authorised Signatory: Mr. Pankaj Baroi (Director)

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NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
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Rev. No.: 00

TEST REPORT

ULR No.	NA	Issue Date	03/04/2026
Report No.	ENV/TR/ABEPL/25-26/A-05	Order Date	NA
Order No.	NA		
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/A-260325/02	Sample Source#:	West Side: Near Acid-Alkali Neutralisation Pit	Sample Type#:	Ambient Air
Date of Sampling:	25.03.2026	Sample Receipt Date:	27.03.2026	Instrument Used:	ENV/AS/02, ENV/RDS/02, ENV/GSA/02
Analysis Start Date:	28.03.2026	Analysis End Date:	03.04.2026	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-28°C & RH-67%	Sampling Plan/Sapling Method:	ENV/SOP/A-01		

TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Limits*
Discipline / Group : Chemical / Atmospheric Pollution					
1.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	IS 5182 (Part 24)	14.9	µg/m ³	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM ₁₀	IS 5182 (Part 23)	48.6	µg/m ³	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO ₂)	IS 5182 (Part 2)	7.2	µg/m ³	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO ₂)	IS 5182 (Part 6)	10.3	µg/m ³	80 (24 Hours Average)

NA: Not Applicable, BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Information provided by the customer for which laboratory has no control.

* Limits as per G.S.R. 826(E), 16.11.2009

*****End of Report*****



Authorised Signatory: Mr. Pankaj Baroi (Director)

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TEST REPORT

ULR No.	NA	Issue Date	03/04/2026
Report No.	ENV/TR/ABRPL/25-26/A-06	Order Date	NA
Order No.	NA		
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/A-260325/03	Sample Source#:	North Side: Near Rajabari Village	Sample Type#:	Ambient Air
Date of Sampling:	25.03.2026	Sample Receipt Date:	27.03.2026	Instrument Used:	ENV/AS/03, ENV/RDS/03, ENV/GSA/03
Analysis Start Date:	28.03.2026	Analysis End Date:	03.04.2026	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-28°C & RH-67%	Sampling Plan/Sapling Method:	ENV/SOP/A-01		

TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Limits*
Discipline / Group : Chemical / Atmospheric Pollution					
1.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	IS 5182 (Part 24)	13.9	µg/m ³	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM ₁₀	IS 5182 (Part 23)	45.5	µg/m ³	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO ₂)	IS 5182 (Part 2)	BLQ[LOQ=5.0]	µg/m ³	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO ₂)	IS 5182 (Part 6)	BLQ[LOQ=5.0]	µg/m ³	80 (24 Hours Average)

NA: Not Applicable, BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Information provided by the customer for which laboratory has no control.

* Limits as per G.S.R. 826(E), 16.11.2009

*****End of Report*****



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Rev. No.: 00

TEST REPORT

ULR No.	NA		
Report No.	ENV/TR/ABEPL/25-26/N-04	Issue Date	03/04/2026
Order No.	NA	Order Date	NA
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/N-250903/01	Sample Category/Zone#:	Industrial Area	Sample Type#:	Ambient Noise Level
Date of Sampling:	25.03.2026	Sample Receipt Date:	27.03.2026	Instrument Used:	ENV/SLM/01
Analysis Start Date:	30.03.2026	Analysis End Date:	31.03.2026	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-28°C, RH-67%, Calm	Sampling Plan/Sapling Method:	ENV/SOP/N-01		

TEST RESULTS

Sl. No.	Locations	Time Duration (Hours)	Test Method	Result Leq dB (A)
Discipline / Group : Chemical / Atmospheric Pollution				
1.	East Side: Near Seuj Dwar	Day Time (06:00 - 22:00)	ENV/SOP/1.1, Issue No.1	60.7
		Night Time (22:00 - 06:00)	ENV/SOP/1.1, Issue No.1	46.2

NA: Not Applicable

Information provided by the customer for which laboratory has no control.

Limit :

Category of Area/ Zone	Limit in dB (A) Leq	
	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

*****End of Report*****



Authorised Signatory: Mr. Pankaj Baroi (Director)

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Rev. No.: 00

TEST REPORT

ULR No.	NA		
Report No.	ENV/TR/ABEPL/25-26/N-05	Issue Date	03/04/2026
Order No.	NA	Order Date	NA
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/N-260325/02	Sample Category/Zone#:	Industrial Area	Sample Type#:	Ambient Noise Level
Date of Sampling:	25.03.2026	Sample Receipt Date:	27.03.2026	Instrument Used:	ENV/SLM/02
Analysis Start Date:	30.03.2026	Analysis End Date:	31.03.2026	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-28°C, RH-67%, Calm		Sampling Plan/Sapling Method:	ENV/SOP/N-01	

TEST RESULTS

Sl. No.	Locations	Time Duration (Hours)	Test Method	Result Leq dB (A)
Discipline / Group : Chemical / Atmospheric Pollution				
1.	West Side: Near Sub - Station Building	Day Time (06:00 - 22:00)	ENV/SOP/1.1, Issue No.1	61.9
		Night Time (22:00 - 06:00)	ENV/SOP/1.1, Issue No.1	45.8

NA: Not Applicable

Information provided by the customer for which laboratory has no control.

Limit :

Category of Area/ Zone	Limit in dB (A) Leq	
	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

*****End of Report*****



Authorised Signatory: Mr. Pankaj Baroi (Director)

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Rev. No.: 00

TEST REPORT

ULR No.	NA		
Report No.	ENV/TR/ABEPL/25-26/N-06	Issue Date	03/04/2026
Order No.	NA	Order Date	NA
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/N-260325/03	Sample Category/Zone#:	Residential Area	Sample Type#:	Ambient Noise Level
Date of Sampling:	25.03.2026	Sample Receipt Date:	27.03.2026	Instrument Used:	ENV/SLM/03
Analysis Start Date:	30.03.2026	Analysis End Date:	31.03.2026	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-28°C, RH-67%, Calm		Sampling Plan/Sapling Method:	ENV/SOP/N-01	

TEST RESULTS

Sl. No.	Locations	Time Duration (Hours)	Test Method	Result Leq dB (A)
Discipline / Group : Chemical / Atmospheric Pollution				
1.	North Side: Near Rajabari Village	Day Time (06:00 - 22:00)	ENV/SOP/1.1, Issue No.1	46.1
		Night Time (22:00 - 06:00)	ENV/SOP/1.1, Issue No.1	34.5

NA: Not Applicable

Information provided by the customer for which laboratory has no control.

Limit :

Category of Area/ Zone	Limit in dB (A) Leq	
	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

*****End of Report*****



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Format No.: ENV/R/TR/19/DW-01

Rev. No.: 00

TEST REPORT

ULR No.	NA		
Report No.	ENV/TR/ABEPL/25-26/GW-02	Issue Date	03/04/2026
Order No.	NA	Order Date	NA
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No. :	ABEPL/GW-260326/01		
Sample Type :	Ground Water	Sample Quantity :	2000 ml
Sample Source :	Deep Tube-well, Assam Bio Ethanol Pvt. Ltd.		
Date & Time of Sampling:	26.03.2026, 10:00 AM	Date & Time of Sample Receipt :	27.03.2026, 10:20 AM
Environmental Conditions During Sampling :	T- 26°C & RH- 69%	Sampling Plan/Sampling Method :	ENV/SOP/W-01
Instrument Used for Sampling :	PE Bottle	Sampled By :	Bidyut Kalita, Envirocon
Analysis Start Date :	27.03.2026	Analysis End Date :	03.04.2026

TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
Discipline / Group : Chemical / Water						
1.	Colour	IS 3025 (Part 4)	2	PCU	5	15
2.	Odour	IS 3025 (Part 05)	Odourless	-	Agreeable	Agreeable
3.	Taste	IS 3025 (Part 07)	Tasteless	-	Agreeable	Agreeable
4.	Turbidity	IS 3025 (Part 10)	0.46	NTU	1	5
5.	pH	IS 3025 (Part 11)	6.78 at 25.6°C	-	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids	IS 3025 (Part 16)	149	mg/l	500	2000
7.	Ammonia (as total ammonia-N)	IS 3025 (Part 57)	BLQ[LOQ=0.01]	mg/l	0.5	No Relaxation
8.	Boron (as B)	IS 3025 (Part 57)	BLQ[LOQ=0.01]	mg/l	0.5	1.0
9.	Calcium (as Ca)	IS 3025 (Part 40)	29	mg/l	75	200
10.	Chloride (as Cl)	IS 3025 (Part 32)	7.2	mg/l	250	1000
11.	Fluorides (as F)	IS 3025 (Part 60)/Sec 1	0.4	mg/l	1.0	1.5
12.	Free Residual Chlorine	IS 3025 (Part 26)	BLQ[LOQ=0.05]	mg/l	0.2	1
13.	Magnesium (as Mg)	IS 3025 (Part 46)	12	mg/l	30	100
14.	Nitrate (as NO ₃)	IS 3025 (Part 34)/Sec 1	1.2	mg/l	45	No Relaxation
15.	Phenolic Compound (as C ₆ H ₅ OH)	IS 3025 (Part 43)/Sec 1	BLQ[LOQ=0.001]	mg/l	0.001	0.002
16.	Sulfate (as SO ₄)	IS 3025 (Part 24)/Sec 1	36	mg/l	200	400
17.	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23)	58	mg/l	200	600
18.	Total Hardness (as CaCO ₃)	IS 3025 (Part 21)	124	mg/l	200	600
19.	Sulphide (as H ₂ S)	IS 3025 (Part 29)	BLQ[LOQ=0.01]	mg/l	0.05	No Relaxation
20.	Cyanide (as CN)	IS 3025 (Part 27)	BLQ[LOQ=0.01]	mg/l	0.05	No Relaxation



Authorised Signatory: Mr. Pankaj Baroi (Director)

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NOTE:

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2. Results refer only to the particular parameters tested.
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Format No.: ENV/R/TR/19/DW-01

Rev. No.: 00

TEST REPORT

ULR No.	NA	Issue Date	03/04/2026
Report No.	ENV/TR/ABEPL/25-26/GW-02	Order Date	NA
Order No.	NA		
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
Discipline / Group : Chemical / Residues in Water						
21.	Aluminium (as Al)	IS 3025 (Part 55)	BLQ[LOQ=0.01]	mg/l	0.03	0.2
22.	Iron (as Fe)	IS 3025 (Part 53)	0.21	mg/l	0.3	No Relaxation
23.	Copper (as Cu)	IS 3025 (Part 42)	BLQ[LOQ=0.005]	mg/l	0.05	1.5
24.	Zinc (as Zn)	IS 3025 (Part 49)	BLQ[LOQ=0.05]	mg/l	5.0	15
25.	Manganese (as Mn)	IS 3025 (Part 59)	BLQ[LOQ=0.05]	mg/l	0.1	0.3
26.	Lead (as Pb)	IS 3025 (Part 47)	BLQ[LOQ=0.005]	mg/l	0.01	No Relaxation
27.	Nickel (as Ni)	IS 3025 (Part 54)	BLQ[LOQ=0.005]	mg/l	0.02	No Relaxation
28.	Total Arsenic (as As)	IS 3025 (Part 37)	BLQ[LOQ=0.005]	mg/l	0.01	0.05
29.	Total Chromium (as Cr)	IS 3025 (Part 52)	BLQ[LOQ=0.005]	mg/l	0.05	No Relaxation
Discipline / Group : Biological / Water						
30.	Total Coliform Bacteria	IS 1622	Absent	MPN/100 ml	Absent	Absent
31.	E. Coli	IS 1622	Absent	MPN/100 ml	Absent	Absent

NA: Not Applicable, BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Information provided by the customer for which laboratory has no control.

* Limits as per IS 10500:2012.

*****End of Report*****



Authorised Signatory: Mr. Pankaj Baroi (Director)

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