



Assam Bio Refinery Private Limited

CIN : U74999AS2018PTC018547

Ref.: ABRPL/EHS/2025/12/03

Date: 29th Dec, 2025

To,
The Inspector General of Forests (C)
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
4th Floor, HOUSEFED Building,
G.S.Road, Rukminigaon,
Guwahati -781022

Sub: Submission of Half Yearly Compliance report on Environment Stipulation of EC during the period April' 2025 to September' 2025 for Assam Bio Refinery Pvt. Ltd. (Bamboo based Ethanol Project).

Ref. No: 1) F. No. J-11011/274/2015-IA II (I) dated 19th November, 2019
2) F. No. J-11011/274/2015-IA II (I) dated 05th January, 2021

Dear Sir,

Kindly find enclosed herewith the point wise Half Yearly Compliance Status for the period April' 2025 to September' 2025, pertaining to the conditions of EC for Assam Bio Refinery Private (Bamboo based Ethanol Project), ABRPL vide letter No F.No.J- 11011/274/2015-IA II (I) dated 19 Nov, 2019 from MoEF& CC.

Thanking You,

Yours faithfully

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

Encl.: 1. Six monthly compliance status of EC conditions.
2. Results of monitored data.

C.C.to:

1. **Assam State Pollution Control Board:** Pollution Control Board Assam, Bamunimaidam, Guwahati - 21
2. **Golaghat Regional Pollution Control Board:** Pollution Control Board, Assam College Tinali, Near Circiut House, Golaghat, PIN: 785621.

S.No	Special Conditions	Remarks as on date status
10 (a)	The final product shall be used only as a bio-fuel and not at all for human consumption	Noted. The final product bio-fuel shall be used for blending with petrol only.
10 (b)	Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	The Consent to Establish (CTE) was received from ASPCB dated 25 Jan 2019. CTE extended for another five years from 14/11/2024. CCA received from ASPCB vide certificate no. PCBA/CCA/2025/3635565 dated 22/09/2025.
10 (c)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged.	Effluents are being transferred to the ETP of NRL via closed loop pipelines. Noted for continuous compliance.
10 (d)	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	CCA received from ASPCB vide certificate no. PCBA/CCA/2025/3635565 dated 22/09/2025.
10 (e)	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608 (E) dated 21st July, 2010 and amended from time to time shall be followed.	Being complied.
10 (f)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Being complied. Flue gas is passed through bag filters and finally released through stack height of 62metres.
10 (g)	<p>Solvent management shall be carried out as follows:</p> <ol style="list-style-type: none"> I. Reactor shall be connected to chilled brine condenser system. II. Reactor and solvent handling pump shall have mechanical seals to prevent leakage. III. The condenser shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. IV. Solvents shall be stored in a separate space specified with all safety measures. V. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. VI. Entire plant shall be flame proof. The solvent storage tanks storage tanks shall be provided with breadth valve to prevent losses. 	<ol style="list-style-type: none"> I. Rich gas system has been commissioned and in line II. Appropriate mechanical seal plan present. Complied III. Conidered in design phase and in line. Complied IV. Solvents are stored in individual closed tanks with nitrogen blanketing. V. Complied. VI. Equipments are designed and installed in line with Hazardous area classification. VII. Solvents tanks are connected with Rich Gas/Vent Gas system.

	VII. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	
10 (h)	Total fresh water requirement shall not exceed 2224 cum/day. Prior permission shall be obtained in this regard from the concerned regulatory authority.	NOC obtained for ground water abstraction. NOC No: CGWA/ NOC/IND/AS/2025/12745-REV-1/N dated 21/11/2025.
10 (i)	Process effluent/any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Effluents are being transferred to the ETP of NRL via closed loop pipelines. Noted for continuous compliance.
10 (j)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys, etc. Flame arrester shall be provided on tank farm and the solvent transfer through pumps.	Complied.
10 (k)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Plant is designed to recover all residue and consumed in power plant as fuel. Residue ash is planned to be sold to Cement Factory/Fertilizer Plant. Discussions are underway.
10 (l)	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle ACT (MVA), 1989.	Being complied.
10 (m)	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.	Closed system fly ash storage silo is present at site with truck unloading facility.
10 (n)	<p>The company shall undertake waste minimization measures as below:</p> <ul style="list-style-type: none"> i. Metering and control of quantities of active ingredients to minimize waste. ii. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. iii. Use of automated filling to minimize spillage. iv. Use of Close Feed System into batch reactors. v. Venting equipment through vapor recovery system. vi. Use of high pressure hoses for equipment cleaning to reduce wastewater generation. 	<ul style="list-style-type: none"> I. Control system considered at design stage with flowmeters and installed at site. Complied. II. All intermediary products are reused and consumed within the plant as feed for other processes. III. Automated systems are installed. Complied. IV. Closed feed systems are being used. Complied V. All vents connected with vent gas system. VI. Noted for compliance during maintenance
10 (o)	The green belt of at least 10m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. As many as 25000 trees to be planted per year during first	Noted for Compliance. Under Discussion.

	five years. Selection of Plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	
10 (p)	All the commitment made regarding issues raised during the Public Hearing/Consultation meeting held on 15 July, 2017 shall be satisfactory implemented.	Being Complied.
10 (q)	<p>At least 2.5% of the total project cost shall be allocated for Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry Regional Office. (Original EC condition dated 6th November 2017)</p> <p>At least 0.5% of the Project Cost shall be allocated for addressing issues raised during the Public hearing and 2% for sustainable babmoo feedstock value chain. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry Regional Office. (Amended EC condition dated 5th January 2021)</p>	<p>Being Complied.</p> <p>Copy of detailed proposed ESC shared with last report (for the period of Apr'22-Sep'22).</p> <p>ESC spending against public hearing issues = Rs.22,20,883/-</p> <p>ESC spending against sustainable feedstock value chain = Rs.2,39,56,324/-</p>
10 (r)	For the DG sets, emission limits and the stack height shall be in conformity with the extent regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Considered in design as per CPCB guidelines.
10 (s)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Firefighting system installed and operational. Application for Fire NOC is in process.
10 (t)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	The Occupational health surveillance of the workers as per Factories Act is in process.
10 (u)	A continuous online (24x7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet.	CEMS installed. Commissioning is in process.

S.NO	General Conditions	Remarks as on date status
10 (i)	The project authorities must strictly adhere to the stipulations made by the State pollution Control Board (SPCB) State Government and/or any other statutory authority.	Being Complied.
10 (ii)	No further expansion or modification in the project shall be carried out without prior approval from the Ministry. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance a, fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environment protection measures required if any.	Complied.
10 (iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentration are anticipated.	Under process. Discussions are underway.
10 (iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) date 16th November, 2009 shall be complied with.	Being complied. Report attached.
10 (v)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under PARA Rules,1989 viz. 75 dBA(day time) and 70 dBA (night time).	Being complied. Report attached.
10 (vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Stormwater treatment plant is being installed for recovery from storm water drain.
10 (vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Noted for compliance. Schedule and policy are being discussed.
10 (viii)	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.	Being Complied.
10 (ix)	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers,	Noted for Compliance.

	administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.	
10 (x)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be setup to carry out the environmental management on monitoring functions.	Laboratory facilities of NRL is being used for environmental monitoring and testing.
10 (xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Noted for Compliance.
10 (xii)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat/Zila Parishad/Municipal Corporation/Urban Local Body and the local NGO if any, from whom suggestion/representation if, any, were received while processing the proposal.	Complied.
10 (xiii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six Monthly compliance status report shall be posted on the website of the company.	Being Complied. Six monthly report on status of compliance of the stipulated environmental conditions including the results of monitored data report submitted to MoEF&CC, the respective Zonal office of CPCB and SPCB and posted in company website.
10 (xiv)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. As amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MoEF by e-mail.	Being Complied.
10 (xv)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locally concerned and a copy of the same shall be forwarded to the Regional Office of the Ministry.	Being Complied. Public notice was published on 18.11.2017 in DainikJanambhumi , Pratidin, Assam Tribune and Sentinel. Copy of the notice published sent to MoEF RO on 29.11.2017

S.No	Special Conditions by SEAC	Remarks (as on date status)
1.1	For development of Green Belt around the area the plant species should be tolerant to the air pollution in the area which should invariably be given priority.	Noted for compliance
1.2	Preferred plant species, so suitable for the area shall be Safed Siris (Albizia procera), Kadam (Neolamarckia cadamba), Ow tenga (Dillenia indica), Thekera (Garcinia morella), Bor Thekera (Garcinia pedunculata), Cham (Artocarpus chaplasha), Bot gos (Ficus benjamina), Uriam (Bischofia javanica), Chatiana (Alstonia scholaris), Hilikha (Terminalia chebula), Leteku (Baccaurea rammiflora), Titasopa (Michelia champaca), Hollock (Terminalia myriocarpa) etc etc.	Noted for compliance
1.3	The project Proponent shall in consultation with the RFRI, Jorhat develop a Bamboo Arboretum around the project area comprising of all the Bamboo species of Assam and an effort shall also be made to develop the same by inclusion of the species of other neighbouring states too where from raw materials are proposed to be procured. The purpose of the Arboretum shall be purely of academic and scientific in nature, or awareness among the people at large in general as to the utility and quality of different species of Bamboo which is coined as Green Gold and the Proponent shall engage domain expert in the field to accomplish the task. At least 2 (two) clumps of each species of Bamboo shall be raised/developed in the Arboretum with proper maintenance and labeling with proper information on the species.	Noted for compliance
1.4	As a part of the CER activity keeping in view the menace of elephant depredation in the area the Proponent shall facilitate the DFO, Golaghat Territorial Division with the following equipment, logistic support to combat the elephant depredation: I. 2 (Two) patrolling vehicles for use by field staff; II. 4 (four) sets of Thermal Vision Camera for use in the night; III. Walki-talkie sets as required for the purpose and IV. 3 (three) numbers of Watch Towers (50 feet tall) to be erected in strategic locations with due consultation of the DFO, Golaghat.	Noted for compliance. In discussion with NRL for compliance.
1.5	Use of Green Energy around the Project area as proposed installing Solar lights, LED bulbs, development of adequate drainage networks.	Being complied.
1.6	Under the proposed CER activities containing the details with the proposed targets in physical terms showing financial expenditures as are reflected for each year keeping in view the public demand / requirement are to be fulfilled, as approved, with the allocated budgetary provision without any deviation which need to be uploaded in the PARIVESH portal as a Half Yearly Compliance Report.	Noted for compliance.
1.7	It shall be bounden on the project Proponent to upload the Half Yearly Compliance Report (HCR) in terms of the guidelines circulated under OM No. IA3-22/1/2022-IA.III Dated 14.06.2024 by the Ministry in the MoEF & CC, Gol.	Being complied.

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

Rev. No.: 00

TEST REPORT

ULR No.	NA	Issue Date	12/09/2025
Report No.	ENV/TR/ABEPL/25-26/A-01	Order Date	NA
Order No.	NA		
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/A-250903/01	Sample Source#:	East Side: Near Seuj Dwar	Sample Type#:	Ambient Air
Date of Sampling:	03.09.2025	Sample Receipt Date:	05.09.2025	Instrument Used:	ENV/AS/01, ENV/RDS/01, ENV/GSA/01
Analysis Start Date:	05.09.2025	Analysis End Date:	11.09.2025	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-32°C & RH-71%	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)	18.4	µg/m ³	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM ₁₀	IS 5182 (Part 23)	54.6	µg/m ³	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO ₂)	IS 5182 (Part 2)	9.1	µg/m ³	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO ₂)	IS 5182 (Part 6)	13.5	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:

- Results reported are valid at the time of and under the prevailing conditions of measurement.
- Results refer only to the particular parameters tested.
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Format No.: ENV/R/TR/19/AA-01

Rev. No.: 00

TEST REPORT

ULR No.	NA	Issue Date	12/09/2025
Report No.	ENV/TR/ABEPL/25-26/A-02	Order Date	NA
Order No.	NA		
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/A-250903/02	Sample Source#:	West Side: Near Acid-Alkali Neutralisation Pit	Sample Type#:	Ambient Air
Date of Sampling:	03.09.2025	Sample Receipt Date:	05.09.2025	Instrument Used:	ENV/AS/02, ENV/RDS/02, ENV/GSA/02
Analysis Start Date:	05.09.2025	Analysis End Date:	11.09.2025	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-32°C & RH-71%	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)	16.5	µg/m ³	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM ₁₀	IS 5182 (Part 23)	51.9	µg/m ³	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO ₂)	IS 5182 (Part 2)	7.6	µg/m ³	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO ₂)	IS 5182 (Part 6)	11.4	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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Format No.: ENV/R/TR/19/AA-01

Rev. No.: 00

TEST REPORT

ULR No.	NA	Issue Date	12/09/2025
Report No.	ENV/TR/ABRPL/25-26/A-03	Order Date	NA
Order No.	NA		
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No.:	ABEPL/A-250903/03	Sample Source#:	North Side: Near Rajabari Village	Sample Type#:	Ambient Air
Date of Sampling:	03.09.2025	Sample Receipt Date:	05.09.2025	Instrument Used:	ENV/AS/03, ENV/RDS/03, ENV/GSA/03
Analysis Start Date:	05.09.2025	Analysis End Date:	11.09.2025	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-32°C & RH-71%	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)	15.6	µg/m ³	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM ₁₀	IS 5182 (Part 23)	47.4	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.

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



Authorised Signatory: Mr. Pankaj Baroi (Director)

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

Rev. No.: 00

TEST REPORT

ULR No.	NA		
Report No.	ENV/TR/ABEPL/25-26/N-01	Issue Date	12/09/2025
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:	03.09.2025	Sample Receipt Date:	05.09.2025	Instrument Used:	ENV/SLM/01
Analysis Start Date:	08.09.2025	Analysis End Date:	11.09.2025	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-32°C, RH-71%, 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	62.4
		Night Time (22:00 - 06:00)	ENV/SOP/1.1, Issue No.1	47.1

NA: Not Applicable

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

Limit :

Category of Area/ Zone	Limit in dB (A) L_{eq}	
	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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Rev. No.: 00

TEST REPORT

ULR No.	NA	Issue Date	12/09/2025
Report No.	ENV/TR/ABEPL/25-26/N-02	Order Date	NA
Order No.	NA	Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam

Sample Ref. No.:	ABEPL/N-250903/02	Sample Category/Zone#:	Industrial Area	Sample Type#:	Ambient Noise Level
Date of Sampling:	03.09.2025	Sample Receipt Date:	05.09.2025	Instrument Used:	ENV/SLM/02
Analysis Start Date:	08.09.2025	Analysis End Date:	11.09.2025	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-32°C, RH-71%, 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	63.6
		Night Time (22:00 - 06:00)	ENV/SOP/1.1, Issue No.1	48.7

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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TEST REPORT

ULR No.	NA	Issue Date	12/09/2025
Report No.	ENV/TR/ABEPL/25-26/N-03	Order Date	NA
Order No.	NA	Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam

Sample Ref. No.:	ABEPL/N-250903/03	Sample Category/Zone#:	Residential Area	Sample Type#:	Ambient Noise Level
Date of Sampling:	03.09.2025	Sample Receipt Date:	05.09.2025	Instrument Used:	ENV/SLM/03
Analysis Start Date:	08.09.2025	Analysis End Date:	11.09.2025	Sampled By:	Bidyut Kalita, Envirocon
Environmental conditions during sampling:	T-32°C, RH-71%, 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	45.2
		Night Time (22:00 - 06:00)	ENV/SOP/1.1, Issue No.1	34.8

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

Rev. No.: 00

TEST REPORT

ULR No.	NA	Issue Date	12/09/2025
Report No.	ENV/TR/ABEPL/25-26/GW-01	Order Date	NA
Order No.	NA		
Report Issued To	ASSAM BIO ETHANOL PRIVATE LIMITED Numaligarh, Dist.: Golaghat, Assam		

Sample Ref. No. :	ABEPL/GW-250904/01		
Sample Type :	Ground Water	Sample Quantity :	2000 ml
Sample Source :	Deep Tube-well, Assam Bio Ethanol Pvt. Ltd.		
Date & Time of Sampling:	04.09.2025, 11:20 AM	Date & Time of Sample Receipt :	05.09.2025, 10:20 AM
Environmental Conditions During Sampling :	T- 31°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 :	05.09.2025	Analysis End Date :	11.09.2025

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)	1	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)	0.32	NTU	1	5
5.	pH	IS 3025 (Part 11)	6.76 at 26.8°C	-	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids	IS 3025 (Part 16)	146	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)	28	mg/l	75	200
10.	Chloride (as Cl)	IS 3025 (Part 32)	6.5	mg/l	250	1000
11.	Fluorides (as F)	IS 3025 (Part 60)/Sec 1	0.35	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	0.7	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	32	mg/l	200	400
17.	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23)	41	mg/l	200	600
18.	Total Hardness (as CaCO ₃)	IS 3025 (Part 21)	86	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



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TEST REPORT

ULR No.	NA	Issue Date	12/09/2025
Report No.	ENV/TR/ABEPL/25-26/GW-01	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)	0.18	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*****



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