सत्यमेव जयते

Government of India
Ministry of Environment, Forest and Climate Change

Date: **07/08/2023**

ACKNOWLEDGEMENT

This is to acknowledge that BRAHMAPUTRA BIOCHEM PRIVATE LIMITED has provided the information on PARIVESH Portal in respect of Proposed Expansion of Existing Grain Based Distillery from 60 KLPD to 90 KLPD along with Existing 2.0 MW Power Plant Located at Chaygaon Industrial Growth Centre, Village – 2No., Jambari, Tehsil-Chaygaon, District- Kamrup, State- Assam, Pin Code –781141 by M/s. Brahmaputra Biochem Private Limited (Environmental Consultnant: Anacon Laboratories Pvt. Ltd.) in the format attached herewith under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O.980 (E), dated 02nd March 2021.

To claim exemption from obtaining Prior Environment Clearance under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O 980 (E) dated 02nd March 2021 in respect of any increase in production capacity with or without any change in (i) raw material-mix or (ii) product-mix or (iii) quantities within products or (iv) number of products including new products falling in the same category or (v) configuration of the plant or process or (vi) operations in existing area or (vii) In areas contiguous to the existing area specified in the environmental clearance of the project, the project proponent / SPCB or UTPCC shall follow the following process:

1.The project proponent shall inform the SPCB or UTPCC, as the case may be, in specified format along with: (i) 'No increase in Pollution Load' certificate from the Environmental Auditor or reputed institutions empanelled by the SPCB or UTPCC or CPCB or Ministry;
(ii) last Consent to Operate certificate for the project or activity; and
(iii) online system generated acknowledgement of uploading of intimation and 'no increase in pollution load' certificate on PARIVESH Portal.

2. Based on the submission of above information, the project proponent may carry on the proposed activity as per the submitted details. However, if on verification the SPCB or UTPCC, as the case may be, holds that the change or expansion or modernization will result or has resulted in increase in pollution load, the exemption claimed under this clause shall not be valid and it shall be deemed that the project proponent was liable to obtain Prior Environmental Clearance before under taking such changes or increase, as per the clause (a) of sub-paragraph (ii) of paragraph 7 of EIA Notification, 2006 and the provisions of Environment (Protection) Act, 1986 shall apply accordingly.

Encl: Attached the Information provided by the project proponent

Application for No Increase in Pollution Load - Form-10

Basic Details

1. Whether Project /Activity accorded prior EC?	Yes
1.1. Proposal No.	J-11011/119/2011-IA II (I)

1.2. Name of Project	Grain Based Distillery (60KLPD) and Captive Power Plant (2.0 MW) at Choygaon Industrial Growth Centre, Village 2 No. Jambari, Tehsil Choygaon, District Kamrup, Assam by M/s. Brahmaputra Biochem Pvt. Ltd.
1.3. Whether the Project Activity attracts the provisions under	7(ii) (b)

1.3.1. Category	B1
1.3.2. Whether Project/Activity falls in the category of Processing or Production or Manufacturing Sectors?	Yes
1.3.3. Whether multiple items (Components) as per the notification involved in the proposal?	No

1.3.3.1. Item No. as per schedule to EIA Notification, 2006 for Major Activity	5(g) Distilleries	Garin based / Non-molasess based for Non-EBP
1.3.3.2. Capacity	60	KLD

1.3.3.3. Whether Project/Activity falls in 'B2' Category	No
2. Whether the project proposed to be located in the Notified industrial area?	Yes

2.1. Type of Industrial Area	industrial_area
2.2. Name of the Notified Industrial Area	Choygaon Industrial Growth Centre
2.3. Whether the Industrial Area notified?	Before 14th September, 2006

2.3.1. Notification copy of Industrial area in PDF	Notification copy of Industrial Area.pdf Preview
2.4. Whether Prior Environmental Clearance available for Notified Industrial Area?	No

3. Details of Consent under Air (P&CP) Act, 1981 & Water (P&CP) Act, 1974

Consent No/Application No	Date	Valid Up to	Copy of Consent order
WB/GUW/T-4049/20-21/36	10/03/2023	31/03/2028	CTO 23-28 BBPL.pdf Preview

4. Details of Authorization under Hazardous & Other Waste Management Rules, 2016 and subsequent amendment

Authorization No./ Application No	Date	Valid Up to	Copy of Authorization order
30AA 819804	03/03/2023	30/04/2024	Agreement for HW disposal.pdf Preview

Product Details

1. Details of products & by-products including changes in product mix

List of products/by-products permitted under EC / CTO with CAS Number	Quantity permitted under EC / CTO	Unit	List of products/by-products proposed under clause 7(ii)(b) with CAS Number	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
ENA / RS/ Ethanol (64-17-5)	47.58	TPD	ENA / RS/ Ethanol (64-17-5)	71.37	TPD	Production capacity enhancement of ENA / RS/ Ethanol (64-17-5) from 60 KLPD to 90 KLPD.
Carbon dioxide (CO2)	32.73	TPD	Carbon dioxide (CO2)	49.10	TPD	Additional 50% production capacity enhancement due to proposed change.
Power Plant in MW	2.0	TPD	Power Plant in MW	2.0	TPD	No change in capacity of captive Power Plant. Existing capacity of Power Plant is 2.0 MW.
Impure Spirit	2.184	TPD	Impure Spirit	3.28	TPD	Production capacity enhancement of Impure Spirit from 2.73 KLPD to 4.10 KLPD.
DDGS (Distiller's dried grains with soluble)	27.27	TPD	DDGS (Distiller's dried grains with soluble)	40.90	TPD	Additional 50% production capacity enhancement due to proposed change.

2. Details of Raw materials including water consumption and fuel consumption including changes in the raw material mix

List of raw materials envisaged under EC / CTO with CAS Number	Quantity permitted under EC/CTO	Unit	List of raw materials proposed under clause 7(ii)(b)	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Rice Husk	1925	TPM	Rice Husk	1925	TPM	Rice Husk is being/will be used as a fuel for power plant along with Coal as given in Earlier EC under Specific condition No. (iii).
Grain	4530	TPM	Grain	6795	TPM	Additional 2265 TPA Grains as

List of raw materials envisaged under EC / CTO with CAS Number	Quantity permitted under EC/CTO	Unit	List of raw materials proposed under clause 7(ii)(b)	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
						raw material used for proposed additional capacity of 30 KLPD ENA / RS/ Ethanol production.
Coal	960	TPM	Coal	960	TPM	No change in coal consumption quantity due to No change in power plant capacity

2.1. Approval for additional water consumption if applicable	Yes
2.1.1. Upload the approval from the competent authority	NOC CGWA 2023.pdf Preview

3. Details of Effluent Generation

3.1. Quantity

Propose	Quantity of existing effluent generati on in KLD (as per EC/CTO)	Quantity of effluent generation after the proposed change in product or raw material mix in KLD	Mode of Disposal Ultimate Receiving Body
Other	20	25	Treated in ETP and used in process as recycle water
Process + APCM	127	190	Treated in ETP followed by evaporator and reused in process as recycle water.
Domestic	28	30	Septic Tank followed by Soak pit
Washing	10	15	Used in process at Liquefaction step.
Boiler	24	28	Treated in ETP (Cap. 450 KLD) and reused in cooling tower as recycle water
Cooling	20	30	Treated in ETP and used for ash quenching and dust suppression

3.2. Quality

Composition as per the EC/CTO	Concentration as per EC/CTO in (mg/L)	Composition after proposed change in product or raw material mix	Concentration after proposed change in product or raw material mix in (mg/L)	Remarks, if any
Total Dissolved Solid	2100	Total Dissolved Solid	2100	Total dissolved solid concentration of the effluent will be less than 2100 mg/l.

Composition as per the EC/CTO	Concentration as per EC/CTO in (mg/L)	Composition after proposed change in product or raw material mix	Concentration after proposed change in product or raw material mix in (mg/L)	Remarks, if any
Oil & Grease	10	Oil & Grease	10	Oil & Grease concentration of the effluent will be less than 10 mg/l.
Biochemical oxygen demand (at 270C for 3 days)	30	Biochemical oxygen demand (at 270C for 3 days)	30	Biochemical oxygen demand (at 270C for 3 days) concentration of the effluent will be less than 30 mg/l.
Chemical Oxygen Demand (COD)	250	Chemical Oxygen Demand (COD)	250	Chemical Oxygen Demand (COD) concentration of the effluent will be less than 250 mg/l.
Total Suspended Solid	100	Total Suspended Solid	100	Total Suspended Solid concentration of the effluent will be less than 100 mg/l.

3.3. Total load in respect of Effluent

Total load in respect of Effluent as per the EC/CTO	Treatmen t facility existing (with capacity in KLD)	Total load in respect of Effluent after proposed change in product or raw material mix in KLD	Treatment facility proposed with capacity after proposed change in product or raw material mix in KLD	Remarks if any
6.87	30	9.54	0	Total effluent generation will be 318 KLD which will be treated in existing ETP plant (cap. 450 KLD) and treated water is being/will be used process & cooling tower.

3.4. Details of effluent management

3.4.1. Whether Segregation of Concentrated stream and its disposal is proposed?	No
7.4.2. Whether Reduction / Recycle / Reuse of effluent are proposed?	Yes
7.4.2.1. Brief report on details of Reduction / Recycle / Reuse of effluent	EMP for Water Management.pdf Preview
7.4.3. Whether any additional Effluent Treatment Facilities Provided?	No
7.4.4. Whether is there any proposal for up-gradation of ETP?	No
7.4.5. Whether the unit is having Membership of Common Effluent Conveyance / Disposal Facility?	No
7.4.6. Whether it is Proposed to achieve zero discharge?	Yes
7.4.6.1. Brief report on Proposal to achieve zero discharge with technical justification and feasibility	EMP for Water Management.pdf Preview
7.4.7. Whether Project has Membership of CETP?	No

Emission Generation

1.Details of Emission Generation

1.1.

Quantity

(i) From Stacks

Point Source (s)	Height of stack (m)	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
Boiler 25 TPH	40	0.62	g/s	0.0072	Kg Per Day	0.62	g/s	0.0072	Kg Per Day

(ii)From Fugitive sources

Fugitive Sources	Height of discharge in m	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
NA	0	0	g/s	0	Kg Per Day	0	g/s	0	Kg Per Day

(iii) From other sources

Other Source(s)	Height of discharge in m	As per EC / CTO			After proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
DG Set (1 X 750 kVA)	8	0.042		0.0005	Kg Per Day	0.042	g/s	0.0005	Kg Per Day

1.2.

Quality

Stack attached to	Stack Height in Meter	APCM	Parameter	Concentration			
				As per EC / CTO	Unit	After the proposed change in product or raw material mix	Unit
DG Set (1 x 750 kVA)	8	Acoustic Enclosure	NOx+ HC	0.833	g/s	0.833	g/s
Boiler 25 TPH	40	Bag Filter and Multi Cyclone	SO2	200	Miligram per Normal cubic meter (mg/Nm3)	200	Miligram per Normal cubic meter (mg/Nm3)
Boiler 25 TPH	40	Bag Filter and Multi Cyclone	PM	50	Miligram per Normal cubic meter (mg/Nm3)	50	Miligram per Normal cubic meter (mg/Nm3)
DG Set (1 x 750 kVA)	8	Acoustic Enclosure	CO	0.729	g/s	0.729	g/s
Boiler 25 TPH	40	Bag Filter and Multi Cyclone	NOx	300	Miligram per Normal cubic meter (mg/Nm3)	300	Miligram per Normal cubic meter (mg/Nm3)
DG Set (1 x 750 kVA)	8	Acoustic Enclosure	PM	0.042	g/s	0.042	g/s

2.

Total load in respect of Emission

Total load in respect of emission as per the EC / CTO	Unit	APCM existing with capacity	Unit	Total load in respect of emission after proposed change in product or raw material mix	Unit	APCM proposed with capacity after proposed change in product or raw material mix	Unit	Remarks if any
0.0072	Kg Per Day	59400	Cu.M/Hr	0.0072	Kg Per Day	59400	Cu.M/Hr	Existing Boiler stack is attached with bag Filter along with multi cyclone dust collector. The capacity of ID fan is 59400 m3/hr. No additional stack is proposed.

3.Details of emission management

3.1. Whether there is any Proposal for switching over to cleaner fuel?	No
3.2. Whether there is any Proposal for the up gradation of existing APCM? (with the time-bound program)	No

3.3. Whether there is Proposal for the installation of new APCM? (with time-bound program)	No

1.Hazardous Waste Generation

1.1.

Quantity and type of waste

Type of Waste	Category (As per Schedule under Hazardous & Other Waste Management Rules, 2016)	Generation per Year						
		Existing as per the EC / CTO	Unit	After Change in Product Mix	Unit	Source of Generation	Mode of Storage	Mode of Treatment & Disposal method
Drums and plastic cans	33.1	17	Others	25	Others	Enzyme Containers	In Confined Area	After complete detoxification, shall be sold to outside authorized agencies.
Waste Oil	5.1	0.002	Kilo liters per Day (KLD)	0.003	Kilo liters per Day (KLD)	DG Set and process unit machineries	Drums under confined area	Shall be disposed to authorized oil recyclers.

1.2.

Details of Waste management

1.2.1. Whether Proposal for reduction / recovery / reuse / recycle / sale of waste (with technical details) is proposed?	No
1.2.2. Whether Project has Membership of Common Secured Landfill Site?	No
1.2.3. Whether Project has Membership of Common hazardous waste incineration facility	Yes
1.2.3.1. Brief report on Membership of Common hazardous waste incineration facility (if any)	Agreement for HW disposal.pdf Preview

2.

No Increase in Pollution Load certificates from the authorized environmental auditor and countersigned by Project Proponent

2.1. Authorized environmental auditor/Reputed Institution Empaneled by the SPCB/CPCB/MoEFCC	Institution Empaneled By the SPCB
2.2. Upload the Certificate of 'No Increase in Pollution' Load.	NIPL Certificate.pdf Preview

3.

Online Continuous effluent/emission Monitoring System

Quantity

							Date of connection to the servers of	
Attribute	**Constituents**	**Date of installation**	**Details calibration of OCEMS**	**No. of time data exceeds the limit**	**Value Exceeded**	**Status of OCEMS functioning**	**CPCB**	**SPCB**
Emissions	PM	20/12/2015	Calibrated by NEVCO Engineers Pvt. Ltd. at regular interval.	0	0	Yes	01/05/2016	29/07/2022
Effluents	Flow Meter	27/11/2020	Calibrated by Authorized Agency	0	0	Yes	02/12/2020	02/12/2020

1. Additional Information

Sr. No.	Document Name	Remark	Document
1	Hazardous waste disposal agreement	Agreement No.: 30AA 819804 and valid till April, 2024	Agreement for HW disposal.pdf Preview
2	Consent to Operate	CTO No.: WB/GUW/T-4049/20-21/36 Valid till 31st March, 2028	CTO 23-28 BBPL.pdf Preview
3	Covering letter	Request for Additional 50% production enhancement capacity based on “No Increase in Pollution Load” application as per Para 7 (ii) of EIA Notification, 2006 under “MoEF&CC Notification S.O. 980(E); dtd.: 02.03.2021”.	Covering letter-BBPL.pdf Preview
4	EC Compliance Report along with Form-V	Copy of Existing EC Compliance Report along with Form-V submitted to IRO, MoEF&CC, Assam submitted on 12.06.2023.	EC Compliance Report & Form-V_June-2023.pdf Preview
5	No Increase in Pollution Load Report	No Increase in Pollution Load study done by M/s. Anacon Laboratories Pvt. Ltd., Nagpur (M.H.)	Brahmaputre NIPL Report-22.7.2023.pdf Preview

Sr. No.	Document Name	Remark	Document
6	Plant Layout Map	Plant layout map for 90 KLPD Ethanol/ENA Production.	FINAL MASTER PLAN BIO CHEM 05.07.2023.pdf Preview
7	Industrial Land Documents	Land allotted at Chaygaon Industrial Growth Centre, village 2 No. Jambari by Assam Industrial Infrastructure Development Corporation.	BBPL Land Documents.pdf Preview
8	Copy of Environmental Clearance Letter	EC Granted for 60 KLD Ethanol/ENA vide F.No.: J-11011/119/2011-IA II (I)on dtd.: 19.12.2012.	EC Letter BBPL.pdf Preview

1.Undertaking

☐ I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information is found to be false or misleading at any stage, the project will be rejected and clearance given if any to the project will be revoked at our risk and cost. In addition to the above, I hearby give undertaking that no activity/construction/expansion has been taken up

1.1. Name	Arjun Jagmohan Arora
1.2. Designation	Director
1.3. Company	BRAHMAPUTRA BIOCHEM PRIVATE LIMITED
1.4. Address	1301 4/1A Green Acres C H S Ltd Lokhandwala Complex Andheri West Mumbai
1.5. Date	07-08-2023