



सत्यमेव जयते

File No: IA-J-11011/315/2021-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 20/03/2025



To,

Sh. Abhishek Kumar
M/s MUZAFFARPUR BIO FUELS PRIVATE LIMITED
C/o Abhishek Kumar Singh Shiv Kunj Madnani Lane, Nr PN lodge Mithanpura Muzaffarpur ,
MUZAFFARPUR, BIHAR, , 842002
mzpbiofuels@gmail.com

Subject: Expansion of existing distillery unit from 110 KLPD to 310 KLPD, & Co-generation power plant for distillery from 3 MW to 7.5 MW located at Plot No. 26(P), Parta A, Industrial Park Motipur, Damodarpur (Murarpur), Block- Baruraj, Dist- Muzaffarpur of Bihar State by M/s Muzaffarpur Bio Fuels Pvt. Ltd. – Consideration of Environment Clearance reg.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project Muzaffarpur Bio Fuels Private Limited submitted to Ministry vide proposal number IA/BR/IND2/459067/2024 dated 03/02/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C2505BR5987067N
(ii) File No.	IA-J-11011/315/2021-IA-II(I)
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	5(g) Distilleries
(vi) Sector	Industrial Projects - 2
(vii) Name of Project	Muzaffarpur Bio Fuels Private Limited
(viii) Name of Company/Organization	MUZAFFARPUR BIO FUELS PRIVATE LIMITED
(ix) Location of Project (District, State)	MUZAFFARPUR, BIHAR
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions	no
(xii) Applicability of Specific Conditions	no

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for expansion of existing distillery unit from 110 KLPD to 310 KLPD & Co-generation power plant for distillery from 3 MW to 7.5 MW (Rice Husk/Coal (will be used in emergency)) located at Plot No. 26(P), Parta A, Industrial Park Motipur, Damodarpur (Murarpur), Block- Baruraj, Dist- Muzaffarpur of Bihar State by M/s Muzaffarpur Bio Fuels Pvt. Ltd.

4. As per the MoEF&CC Notification S.O. 2339(E), dated 16th June 2021, a special provision in the EIA Notification, 2006 (Schedule 5 (ga), Category B2) is made, wherein for all applications made for Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC) with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme.

5. The details of products and capacity are placed in **Annexure-II**.

6. The Ministry has issued Environmental Clearance to the existing Industry for a capacity of 110 KLD Ethanol and 3 MW Cogeneration Plant vide File No. IA-J-11011/315/2021-IA-II(I) dated 08.10.2021. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, Ranchi vide File no- 103 -172 / I.R.O.-2022 / 1675 dated 12.12.2023. As per the inspection report, the industry has yet to install/ provide an in-house brick manufacturing plant, covered storage, and CO₂ bottling plant among other non/partial compliances. PP has informed that the CO₂ bottling plant is under installation which shall be completed within 4 months. EAC found compliance status satisfactory.

7. Standard ToR and public Hearing conduction are not applicable as the project falls under category B2 as per OM dated 16th June 2021. It was informed that there is no litigation pending against the project.

8. Total plant area after expansion will be 8.09 Ha which is under the possession of the company within the Industrial Park. No additional land will be acquired for the expansion project as the same will be done within existing plant premises. Out of the total plant area, 2.67 Hectares i.e. 33% of the total plant area is being developed as greenbelt & plantation and the same will be maintained/ will be developed under greenbelt & plantation in and around plant premises. The estimated project cost is Rs. 250 Crores. The capital cost of EMP would be Rs. 8.6 Crores and the recurring cost for EMP would be Rs. 1.65 Crores per annum. Industry proposes to allocate Rs. 3.50 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be - 90 persons as direct & indirect.

9. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. There are no Reserve forests/protected forests within 10 Km. radius. Water bodies: River Budhi Gandak is at a distance of 10 Km in the North direction.

10. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 3.6 µg/m³, 1.4 µg/m³, 1.5 µg/m³ and 2.7 µg/m³ with respect to PM₁₀, PM_{2.5}, SO₂ and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

11. Total fresh water requirement will be 1056 m³/day which will be met from Borewells within the premises. NOC has been obtained for 725 m³/day by CGWA vide letter no. CGWA/NOC/IND/ORIG/2021/12852 dated 13.09.2021 and validity 12.09.2024. Existing effluent generation is 447 m³/day from distillery which is treated through Condensate Polishing Unit (500 m³/day). Proposed effluent generation will be 790 m³/day from distillery which will be treated through upgraded Condensate Polishing Unit (1400 m³/day). Raw stillage (1262 KLPD: quantity of raw spent wash from distillation) will be sent to the decanter followed by MEE and dryer to produce DDGS. Domestic wastewater will be treated in STP of capacity 25 KLPD. The plant is being based on Zero Liquid discharge system and treated effluent/water is not being discharged outside factory premises.

12. Total power requirement of the distillery after expansion will be 7.2 MW which will be sourced from 7.5 MW co-

generation power plant after expansion. The existing distillery has 26 TPH Rice husk / Coal (maximum 15 % as an auxiliary fuel with sulphur content < 0.5 %) fired boiler. 35 TPH Rice husk / Coal ((maximum 15 % as an auxiliary fuel with sulphur content < 0.5 %) fired boiler) fired boiler will be installed in the distillery during expansion. APCE ESP with a stack of height of 60 m is installed with the existing boiler for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm³. APCE ESP with a stack height of 60 m (existing stack) will be installed for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm³ for the proposed boiler. The industry has 1010 KVA DG set which will be used as standby during power failure and stack height (3.5 m above the roof of the building) will be provided as per CPCB norms to the DG sets.

13. Details of Process emissions generation and its management:

· APCE ESP with a stack of height of 60 m is installed with the existing 26TPH boiler for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm³. The proposed 35 TPH boiler shall be connected with the existing 60 m high stack after APCE ESP for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm³.

• Online Continuous Emission Monitoring System is installed with the stack and data will be transmitted to CPCB/SPCB servers.

• CO₂ (236 TPD) generated during the fermentation process will be collected by utilizing CO₂ scrubbers and it will be sold to authorized vendors/collected in the proposed bottling plant.

14. Details of solid waste/Hazardous waste generation and its management:

· DDGS (Distilled Dried Grains Stillage) (130 TPD) will be sold as cattle feed / fish feed / prawn feed.

• Boiler ash (87 TPD) will be supplied to fly ash brick manufacturers

· Used oil (0.5 Kilolitres per annum) will be sold to authorized recyclers.

· CPU sludge (0.1 TPD) and STP Sludge (0.025 TPD) will be used as manure.

15. As per Notification S.O 2339(E), dated 16th June 2021, PP has submitted self-certification in the form of notarized affidavit declaring that 310 KLPD will be used for manufacturing fuel ethanol only.

16. During deliberations, EAC discussed the following issues:

PP agreed to abide by all the above suggestions made by the committee. Further, the Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

17. The proposal was considered by the EAC (Meeting ID: EC/AGENDA/EAC/116234/3/2024) held on 14th March 2024 in the Ministry, wherein the project proponent and the accredited Consultant M/s. Paramarsh Servicing Environment & Development, Lucknow, (NABET Certificate No. NABET/EIA/2124/RA 0224 and validity 01st May 2024), presented the case. The Committee **recommended** the project for grant of environmental clearance.

18. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, has examined the proposal submitted by the Project Proponent in the desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

19. The Committee noted that the EMP report is in compliance of the PFR. The Committee deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance.

20. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

21. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for establishment of **expansion of existing distillery unit from 110 KLPD to 310 KLPD, & Co-generation power plant for distillery from 3 MW to 7.5 MW located at Plot No. 26(P), Parta A, Industrial Park Motipur, Damodarpur (Murarpur), Block-Baruraj, Dist- Muzaffarpur of Bihar State by M/s Muzaffarpur Bio Fuels Pvt. Ltd.**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions.

22. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time-bound manner. The Ministry may revoke or suspend the Environmental Clearance, if the implementation of any of the above conditions is not found satisfactory.

23. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

24. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

25. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

26. This issues with the approval of the competent authority.

Copy To

1. The Secretary, Forests & Environment Department, Government of Bihar, 1st Floor, N.H Bhawan, Vishweshwaraiya Complex, Bailey Road, Patna -1 (Bihar)
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Bunglow No. A-2, Shyamali Colony, Ranchi-834002
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Bihar State Pollution Control Board, Beltron Bhawan, 2nd Floor, Lal Bahadur Shastri Nagar, Patna - 800 023 (Bihar)
5. The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 11
6. Compliance and Monitoring Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
7. District Collector, Muzaffarpur, Bihar
8. Guard File/Monitoring File/ Parivesh Portal /Record File

Annexure 1

Specific EC Conditions for (Distilleries)

1. Distilleries

S. No	EC Conditions
1.1	As per the Notification S.O. 2339(E), dated 16 th June, 2021, project falls in category B2 and 310 KLPD shall only be used for fuel ethanol manufacturing as per self-certification in form of a notarized affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.
1.2	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, and risk mitigation measures relating to the project shall be implemented (Annexure –III).
1.3	EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project. Conversion of land use (CLU) certificate shall be obtained before start of construction activities.
1.4	NOC from the Concerned Local authority shall be obtained before start of the construction of plant and withdrawal of ground water. State Pollution Control Board shall not issue the Consent to Operate (CTO) under The Air (Prevention and Control of Pollution) Act, 1981 and The Water (Prevention and Control of Pollution) Act, 1974 till the project proponent obtains such permission.
1.5	Total Fresh water requirement shall not exceed 1056 m ³ /day which will be met from Borewells. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 600 KLD and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
1.6	Spent Wash/stillage shall be sent to the decanter followed by the Multiple Effect Evaporator and dryer to form DDGS. DDGS to be used as cattle feed. The MEE & Drier condensate, spent lees, WTP Rejects, Boiler & Cooling tower blowdowns, washings etc. shall be treated in the 'Condensate Polishing Unit' (CPU). STP shall be installed to treat domestic wastewater. The plant will be based on 'Zero Liquid Discharge' system and no effluent/treated water will be discharged outside factory premises.
1.7	APCE ESP with a stack of height of 60 m installed with the existing boiler 26 TPH Rice husk/coal (maximum 15 % as an auxiliary fuel with sulphur content < 0.5 %) fired boiler shall be upgraded/ retrofitted before September 30 th , 2025 for controlling particulate matter emissions within the statutory limit of 30 mg/Nm ³ . APCE ESP (5 field) with a stack height of 60 m (existing stack) will be installed with the proposed 35 TPH Rice husk / Coal (maximum 15 % as an auxiliary fuel with sulphur content < 0.5 %) fired boiler for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm ³ . SO ₂ and NO _x emissions shall be less than 100 mg/Nm ³ from both the boilers. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.
1.8	Boiler ash (87 TPD) will be supplied to fly ash brick manufacturers. PP shall meet 15% of the total power requirement from solar power by generating power inside the plant

S. No	EC Conditions
	premises/adjacent/nearby areas.
1.9	CO ₂ (236 TPD) generated during the fermentation process will be collected by utilizing CO ₂ scrubbers and it will be sold to authorized vendors/collected in proposed bottling plant.CO ₂ bottling plant shall be installed within 4 months.
1.10	PP shall allocate at least Rs. 0.5 Crore for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
1.11	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
1.12	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. PESO certificate shall be obtained. Location of ethanol storage tanks shall be placed in such a way that in the event of any fire, accident, explosion or any unforeseen conditions the impact of such event should not go beyond the boundary of the plant i.e. the risk should be tolerable (acceptable) at the boundary.
1.13	Company shall maintain an Emergency Response Decision support system in such a way so that identification of the detector's network for the location of the leak source and the probable leaked quantity in real-time, followed by modelling of the dispersion of the plume and consequences as forecast is done in advance and thus, no leak accident may go unattended. Accordingly, Risk Mitigation plan shall be in place.
1.14	Company shall determine the distance of fire hydrant while finalizing its location from ethanol storage tanks or any other hazardous storage substance shall be based on dispersion of Thermal Radiation so that during any unforeseen situation fire hydrant is always available to operate manually.
1.15	Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
1.16	The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
1.17	The green belt of at least 5-10 m width shall be developed in nearly 2.67 hectares i.e., 33 % of the total project area with tree density @ 2500 trees per hectares, mainly along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall

S. No	EC Conditions
	be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed before October, 2024.
1.18	PP proposed to allocate Rs. 3.50 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan (Annexure –IV). Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.
1.19	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. At least 15% of total project area shall be allotted solely for parking purposes with facilities like rest rooms etc. The parking area will be relocated in South of the drain as per the revised layout plan submitted by the PP.
1.20	Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
1.21	Continuous online (24x7) monitoring system for stack emissions/effluent 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.
1.22	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ Director/CEO as per company hierarchy.
1.23	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12 th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

Standard EC Conditions for (Distilleries)

1. General Conditions

S. No	EC Conditions
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be

S. No	EC Conditions
	made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
1.2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.3	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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
1.4	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
1.5	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change 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.
1.6	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
1.7	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.
1.8	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
1.9	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 and at https://parivesh.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 locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
1.10	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

S. No	EC Conditions
1.11	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Ethanol	Ethanol	110	Kilo Litre per Day (KLD)	Road	Grain Based Distillery Project
DDGS	DDGS	46	Ton Per Day (TPD)	Road	
CO2	CO2	84	Ton per Day (TPD)	Road	CO2 bottling plant is under construction stage
Power Cogeneration	Power Cogeneration	3	Mega Watt (MW)	Gridline	

Annexure –II

The details of products and capacity are as under:

S. No.	Name of Unit	Name of Product / By Product	Production Capacity		
			Existing	Proposed	Total
1	Distillery (Broken Rice / Maize raw material)	Ethanol	110 KLPD	200 KLPD	310 KLPD
2	Co-generation power plant for distillery	Power	3 MW	4.5 MW	7.5 MW
3	DWGS Dryer	DDGS	46 TPD	84 TPD	130 TPD
4	Fermentation Unit	Carbon dioxide	84 TPD	152 TPD	236 TPD

Annexure –III

Capital cost and recurring cost of EMP are given below:

Particulars	Amount in INR, Lakhs
Capital Cost	
1. Installation of Air Pollution Control System	250.0 lakh
2. Installation of MEE, CPU & DWGS Dryer System	500.0 lakh
3. Solid waste such as Garbage, process and ETP storage and odor management system	10.0 lakh
4. Installation of Fire Safety System	40.0 lakh
5. Installation of Solar Power System	35.0 lakh
6. Green Belt Development	25.0 lakh
Total	860.0 lakh
Recurring Cost / Annum	
1. Environmental Monitoring	25.0 lakh
2. Maintenance Cost of Air Pollution Control System	45.0 lakh
3. Maintenance of MEE, CPU & DWGS Dryer System	75.0 lakh
4. Greenbelt maintenance	10.0 lakh
5. Maintenance of ETP / STP / Water Treatment Plant	10.0 lakh
Total	165.0 lakh
Grand Total	1025.0 lakh

Details of extended EMP (CER) with proposed activities and budgetary allocation:

CER Activities	Period with Budget allocation		
	Upto Dec. 2024	Upto Dec. 2025	Total
	INR in Lakhs		
1. Financial assistance & Support to agriculture deptt. for implementation of PM Kusum Yojana for Harvesting of Solar Power and Installation of standalone solar powered agricultural pumps for villages namely Kuahi, Chaurhatta, Harnahi, Mahwal & Kusahi.	35	30	65
2. Support to Govt. Health Care agencies for improvement and upgradation of existing health infrastructure of Motipur (Baruraj) Block.	75	75	150
3. Provision of IT Infrastructure in govt. schools within 10 km. radius of project area in villages namely Kuahi, Chaurhatta, Harnahi, Mahwal & Kusahi.	25	25	50
4. Skill development for 100 nos. local youths (as per employability potential) from villages within 10 km. radius. Training Charges Rs. 7500/= plus Rs. 2500/= stipend per month for 3 months. (Rs. 15000 / youth) from villages namely Kuahi, Chaurhatta, Harnahi, Mahwal & Kusahi.	7.5	7.5	15
5. Development of Rain Water Collection Pond of 1000 m3 capacity (Dimension: L : 22 M. , W : 13 m., D : 3.5 M.) in 5 nos. villages within 10 Km. radius, namely villages namely Kuahi, Chaurhatta, Harnahi, Mahwal & Kusahi	15	15	30
6. Tree Plantation (@ 500 nos. trees in each village namely Kuahi, Chaurhatta, Harnahi, Mahwal & Kusahi) within 10 Km. Radius in consultation with DFO.	20	20	40
TOTAL CER AMOUNT (1.5 % of Total Project Cost)	177.5	172.5	350