



File No: J-11011/378/2013-IA II(I)

Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 11/11/2024



To,

Sh. Krishan Murari Gupta,
M/s BCL INDUSTRIES LIMITED
BCL Industries Ltd., Hazi Rattan Link Road, Tehsil and District - Bathinda, PUNJAB, 151001
bclindustries2023@gmail.com

Subject: Expansion of Distillery Plant with addition of 150 KLD Grain Based ethanol with existing facility of 400 KLD (200 KLD#ENA/RS/Anhydrous Alcohol + 200 KLD # Grain Based Ethanol) along with existing co-generation Power Plant of 20 MW located at Village Machhana and Sangat Kalan, Tehsil Sangat, District Bathinda, Punjab by M/s BCL Industries Limited – 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 Expansion of Distillery Plant with addition of 150 KLD Grain Based ethanol with existing facility of 400 KLD (200 KLD#ENA/RS/Anhydrous Alcohol + 200 KLD # Grain Based Ethanol) along with existing co-generation Power Plant of 20 MW by M/s BCL Industries Limited submitted to Ministry vide proposal number IA/PB/IND2/483361/2024 dated 10/07/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C2504PB5197253N
(ii) File No.	J-11011/378/2013-IA II(I)
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	5(g) Distilleries
(vi) Sector	Industrial Projects - 2 Expansion of Distillery Plant with addition of 150 KLD Grain Based ethanol with existing facility of 400 KLD (200 KLD#ENA/RS/Anhydrous Alcohol + 200 KLD # Grain Based Ethanol) along with existing co-generation Power Plant of 20 MW by M/s BCL Industries Limited
(vii) Name of Project	BCL INDUSTRIES LIMITED
(viii) Name of Company/Organization	BCL INDUSTRIES LIMITED
(ix) Location of Project (District, State)	BATHINDA, PUNJAB

(x) Issuing Authority	MoEF&CC
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for Expansion of Distillery Plant with addition of 150 KLD Grain Based ethanol with existing facility of 400 KLD (200 KLD#ENA/RS/Anhydrous Alcohol + 200 KLD # Grain Based Ethanol) along with existing co-generation Power Plant of 20 MW located at village Machhana and Sangat Kalan, Tehsil Sangat, District Bathinda, Punjab by M/s BCL Industries Limited.

4. As per EIA Notification 2006 (Schedule 5 (g) Category A); however, as per in the MoEF&CC Notification S.O. 345(E), dated the 17th January, 2019, notification number S.O. 750(E), dated the 17th February, 2020, S.O. 980 (E) dated 02nd March, 2021 & S. No. 2339(E) 16th June, 2021, a special provision in the EIA Notification, 2006 "Expansion of sugar manufacturing units or distilleries for production of ethanol, having Prior Environment Clearance (EC) for existing unit, to be used completely for Ethanol Blended Petrol (EBP) Programme only, as per self-certification in form of an affidavit by the Project Proponent, shall be appraised as category 'B2' projects.

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

6. The Ministry has issued Environmental Clearance to the Expansion of the existing 200 KLPD grain-based distillery unit and cogeneration power plant of 10 MW capacity by installing 200 KLPD grain-based Ethanol Plant (Additional Biofuel production) and additional 10 MW of power cogeneration vide File No. J-11011/378/2013-IA II(I) dated 25.10.2021. Certified Compliance Report is obtained from MoEF&CC, Regional Office, Chandigarh vide File No. 5-297/2011/IRO/eFile Dated 27.09.2023. Action Closure letter is obtained from MoEF&CC, New Delhi vide File no. IA-J-11014/97/2023-IA-I dated 16.04.2023. EAC was satisfied with the response of PP.

7. Standard ToR and Public Hearing is 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 23.60 Ha. However, existing plots have an area of approx. 4.76 ha out of 23.60 ha is being changed with new plots of having the same area. Out of the total plant area 9.92 Hectares i.e. 42.03% of the total plant area has already been 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 after expansion is Rs. 340.10 Crores. (Existing Project Cost -265.10 Cr. and Expansion Project Cost -75 Cr). After expansion Capital cost of EMP would be Rs. 21.22 Crores and the recurring cost for EMP would be Rs. 3.4 Crores per annum. Industry proposes to allocate Rs. 1.5 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be 550 persons as direct & indirect.

9. There are no national parks, wildlife sanctuaries, Wildlife Corridors etc. within 10 km distance. Lower Lissara Nala is passing 0.05 km away from the project site in the South direction. Sirhind Canal is 2 km towards the South direction from the project site. Flood NOC has been obtained from Deputy Commissioner cum District Magistrate, Bathinda on 05.07.2024.

10. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.04 µg/m³, 0.06 µg/m³, 0.06 µg/m³, 3.04 µg/m³ and 1.14 µg/m³ with respect to PM_{2.5}, PM₁₀, SO₂, NO₂ and CO respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

11. Total water requirement for existing plants including CPP is 3,125 m³/day. Main source of water is surface water from nearby canal. Agreement has been executed between PP & Executive Engineer Bathinda Canal Division on 31.05.2023. During the no-demand period from the agriculture sector and canal cleaning period groundwater will be used with surface water to meet the desire daily water quantity. Ground water permission is obtained on 23/01/2023 vide permission No. PWRDA/01/2023/L3/508. For the proposed expansion of 150 KLD Ethanol production, the daily water requirement will be 600 KLD @4.0 KL per KL production of Ethanol.

12. Total power requirement after expansion will be 20 MW (Existing = 17.5 MW + Expansion = 2.5 MW) which will be met from in house co-generation power plant of 20 MW. The existing distillery has 145 TPH AFBC using rice straw and stubble as fuel for the boiler. ESP with a stack of height of 65 m is installed with the existing boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm³. Industry have 1 DG set of 1000 kVA have been installed within the plant area and 2000 kVA will be installed after expansion.

13. Details of Process emissions generation and its management:

- ESP with a stack height of 65 meters is installed for controlling the particulate matter emissions.
- Online Continuous Emission Monitoring System is installed with the stack and data will be transmitted to CPCB/SPCB servers.
- CO₂ (435 TPD) generated during the fermentation process is being collected by utilizing CO₂ scrubbers and sold to authorized vendors.

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

- DDGS (Distilled Dried Grains Stillage) (300 TPD) is being / (125 TPD) will be sold as cattle feed/fish feed/ prawn feed.
- Boiler ash (139 TPD) is being/ will be supplied to brick manufacturers or supplied to farmers to improve the porosity of soil and low-lying area.
- Used oil (2.5 Kilolitres per annum) will be sold to authorized recyclers.
- CPU sludge (555 kg/day) and STP Sludge (139 kg/day) 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 the proposed expansion capacity of 150 KLD and existing capacity 400 KLD (200 KLD#ENA/RS/Anhydrous Alcohol + 200 KLD # Grain Based Ethanol) (Total 350 KLD grain-based ethanol) will be used for manufacturing fuel ethanol only.

16. During deliberations, EAC discussed the following issues:

- PP shall submit summary with the justification of existing land removed and new land added for the proposed project. In this regard, the project proponent informed that as per EC dated 25.10.2021 total project area was 58.31 acres, which is under the possession of the company. Now, as part of expansion in the instant proposal, PP proposes to replace 2 nos. of land parcel measuring approx. 11.73 acres with new contiguous land parcels of equivalent area.

The project has informed that existing plots having an area of approx. 4.76 ha out of 23.60 ha is being changed with new plots of having the same area. The two land parcels which are to be excluded from site are:

- (i) Land abutting NH as it is proposed to be used for Petrol pump (Future Planning).
- (ii) Second land parcel is proposed to be used for Bio-diesel plant.

In this regard, the project proponent requested to consider the inclusion of the additional land as per provision of para 7 (ii) b of EIA notification, 2006.

- PP shall submit undertaking for biomass shall be used as fuel for the boiler to generate steam. No coal shall be used for the operation of boiler.
- PP shall submit undertaking there shall not be any adverse impact on the trees planted in Guru Nanak Forest due to the proposed expansion.
- PP shall submit revised CER budget.
- PP shall submit details of exiting trees planted at the site.

The committee was satisfied with the response provided by PP on the above information. 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/797852/7/2024) held on 25th & 31st July 2024 in the Ministry, wherein the project proponent and the accredited Consultant M/s. GRC India Pvt. Ltd. (NABET certificate no. NABET/EIA/21-24/SA 0211 and valid till 15.08.2024), 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, have examined the proposal submitted by the Project Proponent in 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 the Environmental Clearance for the establishment of Expansion of Distillery Plant with addition of 150 KLD Grain Based ethanol with existing facility of 400 KLD (200 KLD#ENA/RS/Anhydrous Alcohol + 200 KLD # Grain Based Ethanol) along with existing co-generation Power Plant of 20 MW located at Village Machhana and Sangat Kalan, Tehsil Sangat, District Bathinda, Punjab by M/s BCL Industries Limited, 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, Department of Science, Technology & Environment, Government of Punjab, Chandigarh.
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Regional Office, Bays No.24-25, Sector 31-A, Dakshin Marg, Chandigarh - 160030.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32.
4. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, 147001 (Punjab).

5. Compliance and Monitoring Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
6. The District Collector, Bathinda, Punjab.
7. 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 16th June 2021, the project falls in category B2 and the proposed expansion capacity of 350 KLPD shall only be used for fuel ethanol manufacturing as per self-certification in the 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 the 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 the project. Conversion of land use (CLU) certificate shall be obtained before the start of construction activities.
1.4	NOC from the Concerned Local authority shall be obtained before the start of the construction of the plant and abstraction of surface water. State Pollution Control Board shall not issue 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	The total freshwater requirement for expansion shall not exceed 600 m ³ /day which will be met from the nearby canal. No groundwater recharge shall be permitted within the premises. Industry shall construct a rainwater storage pond of adequate capacity 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 industry shall provide a two-stage RO system in the CPU. The plant will be based on 'Zero Liquid Discharge' system and no effluent/treated water will be discharged outside the factory premises.
1.7	APCE five-field Electrostatic Precipitators with 65 m high stack shall be installed for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm ³ for the existing 145 TPH Boiler using rice straw and stubble as fuel. Coal shall not be used. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted

S. No	EC Conditions
	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 (139 TPD) is being/ will be supplied to brick manufacturers or supplied to farmers to improve the porosity of soil. PP shall install 10% of the total power requirement in the form of solar power inside plant premises/adjacent/nearby areas.
1.9	CO ₂ (435 TPD) generated during the fermentation process is being collected by utilizing CO ₂ scrubbers and sold to authorized vendors.
1.10	PP shall allocate at least Rs. 0.2 Crore as capital cost and Rs. 0.10 Crore as recurring cost for Occupational Health Safety for the proposed expansion. An 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 the safety and health aspects of chemical 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. The firefighting system shall be as per the norms. PESO certificate shall be obtained. The 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	The 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	The 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 the 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 9.92 hectares i.e., 42.03 % of

S. No	EC Conditions
	<p>the total project area with tree density @ 2500 trees per hectare, 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 varieties of species as a part of the 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 be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed before the commissioning of the plant. The industry must conserve all existing trees on the proposed site and ensure that no trees are cut down. Trees shall be planted in the Green Belt under the campaign #Plant4Mother #एक पेड़ माँ के नाम and uploaded on the MeriLiFE portal (https://merilife.nic.in/).</p>
1.18	<p>PP proposed to allocate Rs. 1.5 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 the District Administration.</p>
1.19	<p>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 the total project area shall be allotted solely for parking purposes with facilities like rest rooms etc.</p>
1.20	<p>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 the 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.</p>
1.21	<p>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.</p>
1.22	<p>A separate Environmental Management Cell (having a 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 the Head of Organization/ Director/CEO as per company hierarchy.</p>
1.23	<p>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 the Notification published by MOEFCC on 12th August 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to the Concerned Authority.</p>

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 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

S. No	EC Conditions
	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.
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	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Ethanol	Ethanol	400	150	550	Kilo Litre per Day (KLD)	Road
Captive Power Plant	Captive Power Plant	20	0	20	Mega Watt (MW)	Transmission
Dried distillers' grains with soluble (DDGS)	Dried distillers' grains with soluble (DDGS)	72000	63000	135000	Tons per Annum (TPA)	Road
Carbon Dioxide (CO2)	Carbon Dioxide (CO2)	115200	26480	141680	Tons per Annum (TPA)	Road

The details of products and capacity are as under:

S. No	Particulars	Existing Configuration	Proposed Configuration	Final Configuration
1.	Grain based Distillery	200 KLD	150 KLD	350 KLD
2.	ENA/RS/Anhydrous Alcohol	200 KLD	Nil	200 KLD
3.	Cogeneration power plant (2 x 35 TPH + 75 TPH AFBC Boiler)	20 MW	Nil	20 MW

Capital cost and recurring cost of EMP are given below:

S. No.	Particulars	Existing Capital Cost (In INR Cr)	Existing Annual Recurring (Cost in INR Cr)	Proposed Cost (In INR Cr)	Proposed Recurring (Cost in INR Cr)		
1	Air pollution control system ESP with stack, Industrial vacuum cleaner, road sweeping machine, etc.	6.5	0.75	Nil	Nil		
2	Continuous Emission Monitoring System and Ambient Air Quality Monitoring System	1.25	0.25				
3	Scrubbing system, compressing system, liquefying system and storage for CO ₂ removal	1.50	0.45				
4	Treatment system for spent wash, DWGS centrifuge decanter, DDGS dryer for ZLD system, Construction of Garland drains, Water Reservoir	2.75	0.1				
5	Condensate Polishing unit for water treatment and recycle	1.5	0.2				
6	Piezometer to monitor ground water level	Nil	Nil			0.02	0.001
7	Sewage Treatment Plan	Nil	0			0.25	0.10

8	Ash handling and management	0.25	0.1	Nil	Nil
9	Fire Fighting measures	0.7	0.15	0.25	0.10
10	In-house Solar power Plant	Nil	0	0.48	0.099
11	Rainwater harvesting systems	0.50	0.1	Nil	Nil
12	Occupational Health Management	0.80	0.2	0.25	0.10
13	Noise Reduction Systems	0.40	0.1	0.15	0.05
14	Green Belt Development	0.80	0.2	0.10	0.05
15	Environment monitoring	--	0.1	---	0.10
16	Environment management cell	0.50	0.05	0.10	0.05
17	CER	1.05	0	1.12	---
	Total	18.50	2.75	2.72	0.65

Annexure - IV

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

S. No	Description	Value in INR (Cr)
1.	Providing training for skill development to local youth in consultation with gram panchayat of Machhana and Dannewala for trades namely electrician, fitters, welders, painters, and civil construction work, etc and providing them employment after training in company in suitable grade.	1.00
2.	a. Development of Village roads- Machhana Village road- 0.64 km b. Upgradation of drinking water facility in nearby in nearby Villages such as Dannewala and Gehri Buttar	0.15
3.	Installation of solar lights (30 nos.) in Villages such as Machhana and Dannewala	0.15
4.	Upgradation of medical facility in nearby hospital such as Donating medical equipment like Beds, Stretcher, Portable Oxygen Cylinder (330 Litre), Oxygen Concentrator (0.5 to 5 Ltr), AC (Window AC of 1.5 Ton) in nearby CHC and Government Hospitals.	0.10

5.	Development of smart class, distribution of benches, Fans, drinking water facility, Upgradation of sanitary facility (One for male and one for female), Distribution of IT gadgets, Printers, Computers in schools present in nearby villages	0.05
6.	Awareness Programs (10 nos.) for local farmers to increase soil productivity and water conservation.	0.05
	Total	1.5

