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File No: IA-J-11011/391/2021-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division  
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Dated 09/02/2024



To,

Sh. Manoj Khandelwal  
GRAINSPAN NUTIRENT PVT. LTD.  
504-505, Shapath-V, Opp. Karnawati club, Sarkhej- Gandhinagar Highway, Ahmedabad ,  
AHMADABAD, GUJARAT, Karnawati Club, 380015  
manojk@grainspan.com

**Subject:** Proposed expansion of existing Grain Based Distillery from 100 KLPD to 350 KLPD & Captive Co-generation from 3.5 MW to 9.75 MW by by M/s. Grainspan Nutrients Private Limited located at A/P Village Bhamsara, Bavla-Bagdora Highway, Ahmedabad, Gujarat- Grant of EC under the provision of the EIA Notification 2006 regarding.

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 Proposed Expansion of Existing Grain based Distillery from 100 KLPD to 350 KLPD (for fuel ethanol) along with captive power plant from 3.5 MW to 9.75 MW. submitted to Ministry vide proposal number IA/GJ/IND2/454550/2023 dated 19/01/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23C2505GJ5699473N
(ii) File No.	IA-J-11011/391/2021-IA-II(I)
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	5(ga) Grain based distilleries producing ethanol, solely to be used for Ethanol Blended Petrol Programme of the Government of India
(vi) Sector	Industrial Projects - 2
(vii) Name of Project	Proposed Expansion of Existing Grain based Distillery from 100 KLPD to 350 KLPD (for fuel ethanol) along with captive power plant from 3.5 MW to 9.75 MW.
(viii) Name of Company/Organization	GRAINSPAN NUTIRENT PVT. LTD.
(ix) Location of Project (District, State)	AHMADABAD, GUJARAT

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

3. The Ministry of Environment, Forest and Climate Change has examined the proposal for proposed expansion of existing Grain from 100 KLPD to 350 KLPD & captive co-generation from 3.5 MW to 9.75 MW located at village Bhamsara, Bavla-Bagdora Highway, Ahmedabad, Gujarat by M/s. Grainspan Nutrients Private Limited.

4. The proposal was considered in EAC (Ind-2) meeting held 09th January, 2024 wherein the project proponent and their accredited Consultant M/s. MITCON Consultancy and Engineering Services Ltd. (NABET certificate no. NABET/EIA/2124/RA 0229\_Rev 02 and validity 05.02.2024) made a detailed presentation on the salient features of the project. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code available above or through the following web link [click here](#).

5. 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 the proposed project shall be used completely for EBP Programme.

6. The details of products and capacity are enclosed in Annexure-2.

7. (i) The Ministry has issued Environmental Clearance to the existing Industry for a capacity of 100 KLPD vide File No: IA-J-11011/391/2021-IA-II(I) dated 24.11.2021. Certified Compliance report of existing EC has been obtained from the Regional Office, Gandhinagar vide File no- J-11/93/-2023-IROG NR dated 17.11.2023. Action Taken Report has been submitted to IRO, MOEFCC, Gandhinagar dated EAC found information satisfactory

(ii) Standard ToR and Public Hearing 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 13.96 Ha (existing plant area 6.48 Hectares and additional land required 7.48 Hectares for proposed capacity) which is under possession of the company. Out of the total plant area 4.62 Hectares i.e. 33% of the total plant area will be developed under greenbelt & plantation in and around plant premises. The estimated project cost is Rs. 350 Cr. The capital cost of EMP would be Rs. 21 Cr. and the recurring cost for EMP would be Rs. 1.22 Crores per annum. Industry proposes to allocate Rs. 2.68 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be 252 persons as direct & indirect.

9. There are no National Parks, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, etc. within 10 km distance. Nalsarovar Bird Sanctuary is located more than 10 km towards the NW direction of the proposed site. Eco-sensitive Zone (ESZ) of the Said Sanctuary was notified vide notification no. S.O. 1812 dated 07.06.2017, which ranges from 2.35 km to 4.84 km from the boundary of the Sanctuary. Thus, NBWL clearance is not required. Water bodies i.e., 3 canals are located at 4.82 km in W, 2.1 km in SW, and 3.84 km in S, respectively, and Rodh River at 7.6 km towards WNW.

10. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.2 µg/m<sup>3</sup>, 0.154 µg/m<sup>3</sup>, 1.39 µg/m<sup>3</sup> and 1.54 µg/m<sup>3</sup> with respect to PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub>. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

11. Total fresh water requirement after expansion will be 1635.5 CMD which will be met from ground water. Application has been made to CGWA vide CGWA/NOC/IND/ORIG/2022/16829 dated 21.10.2022. Existing effluent generation is 693 CMD from distillery which is treated through Condensate Polishing Unit of 750 CMD. Proposed effluent generation will be 1491 CMD from distillery which will be treated through upgraded Condensate Polishing Unit of 1500 CMD. In grain-based operation, the raw stillage generated will be sent to the decanter followed by MEE followed by dryer. Domestic wastewater will be treated in STP of capacity 15 CMD. The plant is being/will be based on zero-liquid discharge system and treated effluent/water is being/will not be discharged outside the factory premises.

12. The total power requirement of the distillery after expansion will be 8.9 MW which will be sourced from the proposed 9.75 MW co-generation power plant in the distillery. The existing distillery has 30 TPH biomass (with 15% auxiliary fuel as Coal in case of emergency) fired boiler. 50 TPH boiler biomass (with 15% auxiliary fuel as Coal in case of emergency) fired boiler will be installed in proposed distillery. APCE as ESP with a stack height of 56 m will be installed to control the particulate matter emissions within the statutory limit of 30 mg/Nm<sup>3</sup> for the proposed augmented boiler. The industry

has an existing 1000 kVA DG set and proposed 2000 kVA DG set which will be used as standby during power failure and stack height (12 m) will be provided as per CPCB norms for the proposed DG sets.

**13. Details of Process emissions generation and its management:**

- APCE as Electro Static Precipitator and alkali scrubber with a stack height of 56 m will be installed for controlling the particulate emissions within the statutory limit of 30 mg/Nm<sup>3</sup> for the proposed boiler.
- Online Continuous Emission Monitoring System has been installed for existing capacity with the stack and data will be transmitted to CPCB/SPCB servers.
- CO<sub>2</sub> (275 TPD) generated during the fermentation process is being/will be collected by utilizing CO<sub>2</sub> scrubbers and sold to authorized vendors/collected in proposed bottling plant.

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

- Raw Stillage (2632 CMD) will be treated in decanter followed by MEE by dryer.
- Coal Ash (52 TPD) ash generated will be sold to brick manufacturers.
- Agri Based Ash (67 TPD) will be used as manure or sent to brick manufacturers.
- Spent Oil (1.4 KL/Annum) will be negligible and will be sent to an authorized recycler.
- CPU sludge (6.3 TPD) and STP Sludge (3.02 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 the proposed expansion of 350 KLPD will be used for manufacturing fuel ethanol only.

16. Total plant area after expansion will be 13.96 Ha (existing plant area 6.48 Hectares and additional land required 7.48 Hectares for proposed capacity which is under the possession of the company. Conversion for land use has been obtained vide letter dated 07.03.2014. EAC found the information satisfactory.

17. During deliberations, EAC discussed following issues:

- PP has informed that the existing EC of 100 KLPD grain-based distillery has been also granted under the EBP programme. Accordingly, EAC suggested that the existing capacity of 100 KLPD and the proposed expansion of 250 KLPD shall be used for manufacturing fuel ethanol only.
- PP informed that no existing trees shall be cut for proposed expansion.
- As suggested by EAC, PP informed that after the construction of the proposed STP, industry shall not use Soak Pit.
- PP informed that Environmental Officer shall directly report to the Director of the industry.
- EAC suggested that the Industry shall install a brick manufacturing unit within plant premises. In this regard, PP has informed that there are several brick manufacturing units within the vicinity of 1-2 km and proposed that Industry shall transport fly ash in covered vehicles.
- As directed by EAC, PP increased the tree plantation for the proposed expansion from 6000 to 8500. Further, PP has also committed that additional 1600 trees shall be planted by June, 2024 for densifying the existing greenbelt in 100 KLPD distillery.
- EAC desired details of regarding CER activities proposed for the location of solar lights, maintenance of RO, and avenue plantation location. Accordingly, PP submitted the details desired informing that Industry shall provide RO to nearby schools/colleges bearing the maintenance for 5 years.

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.

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 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 an 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 the 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 it 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 to the project **proposed expansion of existing Grain from 100 KLPD to 350 KLPD & captive co-generation from 3.5 MW to 9.75 MW located at village Bhamsara, Bavla-Bagdora Highway, Ahmedabad, Gujarat by M/s. Grainspan Nutrients Private Limited**, under the provisions of the EIA Notification, 2006, and the amendments therein, is subject to compliance of the terms and conditions enclosed in Annexure-1.

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 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 Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar - 382 010 (Gujarat)
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Regional Office, Gandhi Nagar, A wing- 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10 A, Gandhi Nagar-382010
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32.
4. The Member Secretary, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043 (Gujarat).
5. The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 11.
6. The Compliance and Monitoring Division-IA Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
7. The District Collector, Ahmedabad, Gujarat
8. Guard File/Monitoring File/Parivesh portal/Record File.

**1. Specific Condition**

S. No	EC Conditions
1.1	<p>1.As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed expansion of 350 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.</p> <p>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 - 3).</p> <p>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.</p> <p>4.NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing water from ground water. State Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.</p> <p>5.Total Fresh water requirement shall not exceed 1635.5 m3/day which will be met from ground water. Application has been made to CGWA vide CGWA/NOC/IND/ORIG/2022/16829 dated 21.10.2022. Extraction of ground water shall not be done without obtaining prior permission of CGWA/concerned authority. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water harvesting tank of 60x100x4.2 m and the accumulated water to be used as fresh water thereby reducing fresh water consumption.</p> <p>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 &amp; Drier condensate, spent lees, WTP Rejects, Boiler &amp; 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.</p> <p>7. APCE ESP (5 fields) plus alkali scrubber with 56 meters high stack shall be installed with the biomass and Coal (with 15% auxiliary fuel as Coal in case of emergency) as fuel fired existing 30 TPH and proposed 50 TPH boiler for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm<sup>3</sup>. SO<sub>2</sub> and NO<sub>x</sub> emissions shall be less than 100 mg/Nm<sup>3</sup>. 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.</p> <p>8.Boiler ash (52 TPD) will be supplied to brick manufacturers in covered trucks. PP shall use biomass and Coal as fuel for the proposed boiler. PP shall meet 15% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas.</p> <p>9.CO<sub>2</sub> (275 TPD) generated during the fermentation process is being/will be collected by utilizing CO<sub>2</sub> scrubbers and sold to authorized vendors/collected in proposed bottling plant.</p> <p>10.PP shall allocate at least Rs. 50 Lakhs &amp; Rs. 20 Lakhs as capital expenditure and operation expenditure respectively 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</p>

S. No	EC Conditions
	<p>duties of the workers. All workers &amp; employees shall be provided with required safety kits/mask for personal protection.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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 &amp; evaporation salt shall be disposed of to the TSDF.</p> <p>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.</p> <p>17. The green belt of at least 5-10 m width shall be developed in nearly 4.62 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 be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed by December. However, existing greenbelt in 100 KLPD shall be densified by planting 1600 additional trees by June, 2024.</p> <p>18. PP proposed to allocate Rs. 2.68 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan (Annexure - 4). Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.</p> <p>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. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc.</p> <p>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</p>

S. No	EC Conditions
	<p>Equipment.</p> <p>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.</p> <p>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.</p> <p>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 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 concerned authority.</p>

**Standard EC Conditions for (Distilleries)**

**1. General Conditions**

S. No	EC Conditions
1.1	<p>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.</p>
1.2	<p>The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.</p>
1.3	<p>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).</p>
1.4	<p>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.</p>
1.5	<p>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.</p>

S. No	EC Conditions
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 <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . 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.
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.

**Additional EC Conditions**

N/A

Annexure 2

**Details of Products & By-products**

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
DDGS	DDGS	70	161	231	TPD	Road
Ethanol	Ethanol	100	250	350	Kilo Litre per Day (KLD)	Road
Captive Power generation	Captive Power generation	3.5	6.25	9.75	Mega Watt (MW)	Grid
CO2	CO2	80	195	275	TPD	Road



**Details of capital and recurring cost of EMP:**

A	Construction phase (with Break-up)	Capital Cost	O & M (Annual)
		(Amount in lakhs)	
1.	Environmental monitoring	0	3
2.	During site preparation	10	3
3.	Noise and solid waste management	5	3
4.	Water and waste water	10	5
5.	Occupational health	5	5
6.	Greenbelt development	5	5
	<b>Total</b>	<b>35</b>	<b>24</b>
B	Operation Phase (with Break-up)	Capital Cost	O & M
		(Amount in lakhs)	
	<b>Air and Noise pollution</b>		
a.	ESP with Alkali Scrubber	500	20
b.	Online Continuous Emission Monitoring System (OCEMS)	60	
	<b>Water pollution</b>		
a.	CPU	600	20
b.	STP	15	
c.	Decanter	170	
d.	Dryer	500	
3.	Environmental Monitoring (Air, water, waste water, Soil, Solid waste, Noise)	50	10
4.	Occupation health	50	20
5.	Green belt	40	15
6.	Solid waste	30	5
7.	Rain water harvesting	50	8
	<b>Total</b>	<b>2065</b>	<b>98</b>
	<b>Total A+ B</b>	<b>2100</b>	<b>122</b>

**Details of CER with proposed activities and budgetary allocation:**

Sr . No.	CER Activity	Proposed CER Location	Details	1 <sup>st</sup> Year 2024- 2025	2 <sup>nd</sup> Year 2025- 2026	Total Amount in Rs
1	Water Supply	Bhamsara	RO water filter of capacity 1000 litres tank in each village school & village will be provided. Industry will bear the maintenance expenses of the RO's for 5 years	1,50,000	1,50,000.00	3,00,000
		Rohika		75,000	75,000.00	1,50,000
		Sarala		87,500	87,500.00	1,75,000
		Kalyangadh		87,500	87,500.00	1,75,000
		Gangad		3,75,000	3,75,000.00	7,50,000
				7,75,000	7,75,000	15,50,000
2	Providing Solar street lamps nearby area/ villages	Bhamsara Road	Electrification and Solar Work for Municipal Office & Roads Solar. street lights of 18-watt capacity each will be provided in nearby villages. Total 40 lamps in each village & on	1,45,000	1,45,000	2,90,000
		Bagodara Road		1,50,000	1,50,000	3,00,000
		Gangad Road		1,40,000	1,40,000	2,80,000

			village roads will be provided.			
				<b>4,35,000</b>	<b>4,35,000</b>	<b>8,70,000</b>
3	Providing Ambulance	Primary health Care Centre, Gangad	Providing 2 ambulance to the nearby Gov. Hospitals	20,00,000	-	20,00,000
		SC, Kalyangadh		20,00,000	20,00,000	20,00,000
				<b>20,00,000</b>	<b>20,00,000</b>	<b>40,00,000</b>
4	Providing computers in nearby school/ colleges, necessary furniture, projector s, Air conditioners for computer lab, science lab equipment	Rohika, Primary School	5 Computers, 2 Air conditioners, 200 benches, 3 Projectors	8,92,500	8,92,500	17,85,000
		Sarala, Primary School	5 Computers, 2 Air conditioners, Necessary furniture 160 benches	8,50,000	8,50,000	17,00,000
		Primary School, Kalyangadh	10 Computers, 3 Air conditioners, 3 Projector	9,35,000	9,35,000	18,70,000
		Bagodara Primary School	10 Computers, 3 Air conditioners, 10 scientific equipment's, 2 Toilets, 2 Projector	10,62,500	10,62,500	21,25,000

		Memar Village School	10 computers, 10 scientific equipment's, 3 Toilets	8,50,000	8,50,000	17,00,000
		T.S.B.S High School, Gangad	10 Computers, 3 Air conditioners, 10 scientific equipment's, 2 Toilets, 2 Projector	10,62,500	10,62,500	21,25,000
		Primary School, Begva	10 science lab equipment & 3 new Toilets	6,37,500	6,37,500	12,75,000
5	Avenue Plantation	Tree planatation on Bagodora Road Road	Tree Plantation along 5 km of road, around school, grampanchayat office	39,00,000	39,00,000	78,00,000
				62,90,000	62,90,000	2,03,80,000
		<b>TOTAL AMOUNT Rs.</b>		<b>95,00,000</b>	<b>95,00,000</b>	<b>2,68,00,000</b>