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File No: IA-J-11011/286/2025-IA-II
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
***

Nandan

Date **06/01/2026**

To,

SH JOBY GEORGE,
M/s. CENTREAL BIOFUELS LIMITED,
PLOT NO. 39, PILERNE INDUSTRIAL ESTATE, PILERNE, BARDEZ, Navelim village, NORTH GOA, GOA - 403511
cmd@centrealbiofuels.com

Subject: **Establishment of 2 x 300 KLPD (Phase-1 : 1 x 300 KLPD & Phase-2 : 1 x 300 KLPD) Grain based Ethanol/ENA plant & 2 x 7.0 MW (Phase-1 : 1 x 7.0 MW & Phase-2 : 1 x 7.0 MW) Cogeneration Power plant & Bottling plant of 870 Bottles/Minute located at Navelim Industrial Area Survey Nos. 120 (P), 121 (P) and 177 (P), Navelim Village, Bicholim Taluka, North Goa District, Goa by M/s. Centreal Biofuels Limited - Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 regarding.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/GA/IND2/559773/2025 dated 04/12/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A2504GA5882656N
(ii) File No.	IA-J-11011/286/2025-IA-II
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(g) Distilleries,1(d) Thermal Power Plants
(vi) Sector	Industrial Projects - 2
(vii) Name of Project	Greenfield 2 x 300 KLPD Grain based Ethanol/ENA Plant, 2 x 7.0 MW Co-generation Power plant in both phases & Bottling plant of 870 Bottles/Minute in Phase-1
(viii) Name of Company/Organization	CENTREAL BIOFUELS LIMITED
(ix) Location of Project (District, State)	NORTH GOA, GOA
(x) Issuing Authority	MoEF&CC

(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The Ministry of Environment, Forest and Climate Change has examined the proposal for proposed establishment of 2 x 300 KLPD (Phase-1 : 1 x 300 KLPD & Phase-2 : 1 x 300 KLPD) Grain based Ethanol/ENA plant & 2 x 7.0 MW (Phase-1 : 1 x 7.0 MW & Phase-2 : 1 x 7.0 MW) Cogeneration Power plant & Bottling plant of 870 Bottles/Minute located at Navelim Industrial Area Survey Nos. 120 (P), 121 (P) and 177 (P), Navelim Village, Bicholim Taluka, North Goa District, Goa by M/s. Centreal Biofuels Limited.

4. The proposal was considered in Expert Appraisal Committee (EAC) - Industry - II meetings held on 12th December, 2025 wherein the project proponent and their accredited Consultant M/s. Pioneer Enviro Consultants Pvt. Ltd. certificate No. NABET/EIA/25-28/RA 0456 - valid till 21st September, 2028made 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.

5. All Non-molasses based Distilleries ≥ 200 KLD are listed at S.N. 5(g) of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by EAC.

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

7. Standard Terms of Reference have been obtained vide letter No. IA-J-11011/286/2025-IA-II dated 08-09-2025. It is informed that there is no litigation pending against the proposal.

8. Public Hearing for the proposed project had been conducted by the Goa State Pollution Control Board on 21-11-2025 at Project site premises, Navelim Industrial Area, Navelim village, Bicholim Taluka, North Goa district, Goa state chaired by Additional Collector. The main issues raised during the public hearing and their action plan is enclosed at Annexure-5.

9. Total land area required is 26.2664 hectares. Greenbelt will be developed in total area of 8.68 hectares i.e., 33.05% of total project area. The estimated project cost is Rs. 763.38 Crores.Capital cost of EMP would be Rs. 66.7 Crores and recurring cost for EMP would be Rs. 6.73 Crores per annum. Industry proposes to allocate Rs. 7.63 Crores towards Extended EMP (Corporate Environment Responsibility). Total Employment will be 500 persons as direct & indirect.

10. Madei Wildlife Sanctuary is 9.7 Kms and Eco-Sensitive Zone boundary is located 8.7 Kms from the proposed project site. Conservation plan has been prepared and submitted to Office of the Deputy Conservator of Forests Wildlife & Ecotourism (North) Division, Government of Goa vide letter no 1-576-WL&ET(N)/2025-2026/1523 dated 26-09-2025 and same has been approved by Office of the Principal Chief Conservator of Forests vide letter no. CWLW-81 – MINING Oper – FD – 2025 – 2026 / 3565 dated 17-11-2025.

Ecologically Sensitive Areas in the study area:

Project site proximity to sensitive area	Distance w.r.t. site / Remarks
Habitation	Mayni Village – 0.4 Kms. (SW) Navelim Village – 0.5 Kms(N)
School	GPS Fanaswadi school – 1.7 Kms (NE)
River/Water body	Mandavi River – 0.76 Kms (W) Kudne river – 1.5 Kms (N) Valvet river – 4.1 Kms (N) Dicholi River – 5.5 Kms (NW) Kumbrjuwanadi – 5.7 Kms (E) Few tanks/ ponds are present within 10 Km. radius.
Forest	Dense mixed jungle – 2.8 Kms (E) Unnamed Reserved Forest – 8.0 Kms (S) Unnamed Reserved Forest – 8.1 Kms (NE)

Archaeological Survey of India (ASI) protected site	Arvalem caves – 4.14 Kms (NE) Siddanta caves – 2.2 Kms (SE) Narve caves – 8.68 Kms(NW) Arvalem water falls – 4.42 Kms (NE)
Any other	Nil
Compliance of MoEF&CC OM dated 14/02/2022 regarding sitting of Industries in close proximity of river	Mandavi River is flowing at a distance of 0.76 Kms (W)

11. Ambient air quality monitoring was carried out at 8 locations during 1st March 2025 to 31st May 2025and the baseline data indicates the ranges of concentrations as: PM2.5 - 25.1 to 41.5 µg/m3, PM10 - 56.0 to 78.6 µg/m3, SO2- 6.0 to 12.2 µ g/m3, NOx 12.3 to 21.7 µg/m3., and CO - 520 to 870 µg/m3. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be PM2.5 –0.24 µg/m3 , PM10 - 0.35 µg/m3, SO2 - 0.70 µg/m3, NOx - 1.18., and CO –0.72 µg/m3 The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

12. The total water requirement for the proposed project shall not exceed 1200 for Phase-1 & 2400 KLD for Phase-2 this includes process water, CT make up, Boiler Makeup, Bottling plant and water for domestic requirement. Water required for the proposed project will be supplied by Department of Drinking Water, Works Division - III, Bicholim Goa. Water availability certificate issued by Department of Drinking Water, Works Division - III, Bicholim Goa. The total wastewater generation from the proposed project will be 6024 KLD (Phase-1: 3239 KLD & Phase-2 : 2785 KLD). This includes spent wash, Boiler Blowdown, Cooling Tower Blowdown, spent leese and sanitary wastewater. Spent wash generation will be 1669 KLD in each Phase. Thin Slop generated during the process of Distillation after decantation will be treated in the Multiple Effective Evaporators to concentrate the solids up to 35 to 40% and concentrated syrup along with wet cake will be dried in Dryer to concentrate the solids content up to 90%. This is known as DDGS. This will be sold as Cattle feed / Fish feed.It is a value added by-product. The condensate generated during the process of Multiple Effective Evaporators will be reused in the Process, thus decreasing the net water requirement. STP of capacity 30 KLPD will be installed to treat sewage generated from factory premises. This is totally a "Zero Effluent Discharge" based proven technology, as also approved by the Central Pollution Control Board (CPCB) and The Ministry of Environment, Forest & Climate Change.

13. Power required for the proposed project will be 2 x 7.0 MW (Phase-1 & Phase-2) and same will be sourced from Co-generation Power Plant. 2 x 68 TPH FBC boiler with ESP (5 Filed) as Air Pollution control system. There will be 3 nos. of DG sets each of 1500 KVA. Stack height will be 30 m for each.

14. Details of Process emissions generation and its management:

S.No.	Source	Control Equipment	Emission at the outlet
1.	FBC Boiler	Electro Static Precipitator (5 Filed)	PM < 30 mg/Nm3
		Lime dosing	SOx< 100 mg/Nm3
		Low NOx burners with 3-stage combustion, flue gas recirculation and auto combustion control system will be provided	NOx < 100 mg/Nm3

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

S.NO.	SOLID WASTE	TOTAL QUANTITY (TPD)		PROPOSED METHOD OF DISPOSAL
		Phase-1	Phase-2	
1.	DDGS	152	152	Will be sold as cattle feed / fish feed / prawn feed
2.	Boiler ash			
	when 100% Indian coal is used	125	125	Ash generated from the boiler will be given to the brick manufacturing industries

	(or)			
	when 100% Imported coal is used	38	38	Ash generated from the boiler will be given to the brick manufacturing industries
	(or)			
	when 100% biomass	67	67	Ash generated from the boiler will be given to the brick manufacturing industries

16. During deliberations, following issues were discussed:

• The Committee noted that two high-tension transmission lines, namely an 11 kV line and a 220 kV line, pass through the project site. Accordingly, a no-development corridor of 7 m width beneath the 11 kV line and 35 m width beneath the 220 kV line shall be maintained.
• It was informed that the distillery plant will operate for 330 days per year and will have two boilers, each of 68 TPH capacity. Biomass shall be the primary fuel for the boilers, with coal proposed as backup fuel. It was stated that the plant is envisaged to operate for 248 days (75%) using biomass and for 82 days (25%) using coal. In this regard, the Committee suggested that covered trucks shall be used for transportation of coal and that an RCC platform shall be provided for coal storage.
• The Committee noted that most of the trees are proposed to be translocated within the project site. It was suggested that, during greenbelt densification, the existing species composition within the project area shall be maintained. Accordingly PP has submitted revised Species list.
• The Committee recommended that the fresh water consumption shall be restricted to 4 kL per kL of alcohol produced. Accordingly, the total fresh water requirement shall not exceed 1,200 kLD for Phase-I and 2,400 kLD for Phase-II, respectively.

The committee was satisfied with the response provided by PP on above information. Further, 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 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.

18. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data is within NAAQ standards. The Committee has deliberated the action plan proposed by the project proponent to arrest the incremental GLC due to the project. The Committee has also 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.

19. 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.

20. 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 **establishment of 2 x 300 KLPD (Phase-1 : 1 x 300 KLPD & Phase-2 : 1 x 300 KLPD) Grain based Ethanol/ENA plant & 2 x 7.0 MW (Phase-1 : 1 x 7.0 MW & Phase-2 : 1 x 7.0 MW) Cogeneration Power plant & Bottling plant of 870 Bottles/Minute located at Navelim Industrial Area Survey Nos. 120 (P), 121 (P) and 177 (P), Navelim Village, Bicholim Taluka, North Goa District, Goa by M/s. Centreal Biofuels Limited**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions enclosed at Annexure-1.

21. 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.

22. 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 Environment (Protection) Act, 1986.

23. 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.

24. 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.

25. This issues with the approval of the Competent Authority.

Copy To

1. The Secretary, Department of Forests, Government of Goa, Goa Van Bhavan, Panaji Goa - 403001
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, KendriyaSadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore - 34
3. The Member Secretary, Central Pollution Control Board, PariveshBhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 32
4. The Member Secretary, Goa State Pollution Control Board, Nr. Pilerne Industrial Estate, Opp. Saligao Seminary, Saligao, Goa 403511.
5. Compliance & Monitoring Division, Ministry of Environment, Forest and Climate Change, Indira ParyavaranBhawan, JorBagh Road, New Delhi
6. The District Collector, North Goa District, Goa.
7. Guard File/Monitoring File/Parivesh portal/Record File

Annexure 1

Specific EC Conditions for (Distilleries)

1. Distilleries

S. No	EC Conditions
1.1	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.

S. No	EC Conditions
1.2	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.
1.3	NOC from the Concerned Local authority shall be obtained before start of the construction of plant. Ground water shall not be abstracted for construction phase. 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.
1.4	The total fresh water requirement shall not exceed 1,200 kLD for Phase-I and 2,400 kLD for Phase-II, respectively, which shall be met from the Department of Drinking Water, Works Division-III, Bicholim, Goa. (The Project Proponent shall construct a rainwater storage pond of adequate capacity, and the accumulated rainwater shall be utilized as fresh water, thereby reducing overall freshwater consumption.)
1.5	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 of 30 KLD 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.
1.6	A no development corridor of 7 m width beneath the 11 KV line & 35 M width corridor beneath 220 kV lines shall be maintained.
1.7	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up considering the ground water hydrogeology. Sampling and trend analysis monitoring must be conducted on monthly basis and report submitted to SPCB and RO-MoEF&CC. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and Total Dissolve Solids shall be monitored and report submitted to the Ministry's Regional Office.
1.8	2 ESPs (5 field) shall be installed with proposed 2x68 TPH coal fired boiler for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm^3. Low sulphur coal having ash content less than 0.5 % shall only be used. In coal storage area coal heap should not be more than 5 m high and atleast 5 m distance shall be maintained between two heaps. SO_2 and NO_x emissions shall be less than 100 mg/Nm^3. 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.
1.9	The proposed 3 DG sets of 1500 kVA shall be provided with atleast 30 m high stacks.
1.10	Boiler ash (76 TPD) generated from the boiler will be given to the brick manufacturing industries. PP shall install 10% of the total power requirement in the form of solar power inside plant premises/adjacent/nearby areas.
1.11	CO_2 (464 TPD) generated during the fermentation process shall be collected by utilizing CO_2 scrubbers in the proposed bottling plant and sold to beverage industry.

S. No	EC Conditions
1.12	PP shall allocate at least Rs. 0.8 Crores proposed as a capital cost and Rs. 0.2 Crore as recurring cost 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.
1.13	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.
1.14	The unit shall make 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. PP shall adhere to OISD standards specifically OISD-STD-108 & 129.
1.15	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.
1.16	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.
1.17	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.
1.18	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.
1.19	Greenbelt of at least 5-10 m width shall be developed in 8.68 hectares i.e., 33.05% of total project area with tree density @ 2500 trees per hectare, mainly along the plant periphery. During densification of greenbelt the composition of existing species in the project site shall be maintained as per revised list submitted. Translocation of trees shall be done within the project site as per layout submitted. In case of unsuccessful translocation, compensatory afforestation (1:3) shall be done within the industry area.-Records of tree canopy shall be monitored through remote sensing map. 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/).
1.20	PP proposed to allocate Rs. 7.63 Crores towards Extended EMP which shall be spent as per plan submitted in consultation with District Administration.
1.21	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw

S. No	EC Conditions
	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.
1.22	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 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.
1.23	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.
1.24	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.
1.25	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.
1.26	The existing shed of factory shall be demolished in compliance with Construction and Demolition (C& D) Waste Management Rules 2016 as amended.

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

S. No	EC Conditions
	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.
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:

S.No	Name of the Product	Production Capacity		
		Phase-1	Phase-2	Total
1.	Ethanol	1 X 300 KLPD	1 X 300 KLPD	2 X 300 KLPD
	(Or)			
	Extra Neutral Alcohol (ENA)	1 X 300 KLPD	1 X 300 KLPD	2 X 300 KLPD
2.	Electricity (Co-generation power)	1 X 7.0 MW	1 X 7.0 MW	2 X 7.0 MW
3.	Bottling Unit	870 Bottles/Minute (BPM)	-	870 Bottles/Minute (BPM)
By - Products				
4.	DDGS (Distillers Dried Grain Soluble)	152 TPD	152 TPD	304 TPD
5.	CO2 Recovery from Fermentation Process	232 TPD	232 TPD	464 TPD
6.	Impure Spirit	18 KLPD	18 KLPD	36 KLPD

Annexure-3

Details of capital and recurring cost of EMP:

S.NO	ITEM	CAPITALCOST (RS.INCRORES)	RECURRINGCOST (RS.INCRORES/ANNUM)
1.	Air emission control systems (ESP, stack, bagfilters, dust suppression etc.)	13.3	1.1
2.	Ash handling & management	5.3	1
3.	Effluent Treatment Plant	40	0.5
4.	Fire fighting	0.9	3.3
5.	Environmental lab equipment & online Monitoring equipment	5.3	0.33

6.	Greenbelt development	1.1	0.3
7.	Occupational Health & Safety	0.8	0.2
Total		**66.7**	**6.73**

Annexure-4

Details of extended EMP with proposed activities and budgetary allocation:

Based on SIA and Issues Raised During Public Hearing
Total SID Budget: 763 Lakhs

A. Based on Social Impact Assessment (SIA)

S. No	Activity Head	Village	Physical Units	Cost (Lakhs)	Year
1	Community & Infrastructure Development	Navelim	Public Toilets Road Strengthening LED Streetlights Water Pipeline Community Hall Repair	58	Year – 1
		Maina	Public Toilets Road Strengthening LED Streetlights Community Hall Repair		
		Mayem	Road Strengthening LED Streetlights	35	Year – 2
		Sanquelim	Public Toilets Road Strengthening LED Streetlights		
		Virdi	Road Strengthening	23	Year – 3
		Kotambi	Road Strengthening		
		TOTAL - A		**116**	
2	Educational Support	Navelim	Classrooms – 2 no.s STEM/Sports Kits – 2 no.s	29	Year - 1
		Maina	Classrooms – 2 no.s STEM/Sports Kits – 2 no.s		
		Mayem	Classrooms – 1 no. STEM/Sports Kits – 1 no.	17	Year - 2
		Sanquelim	Classrooms – 1 no. STEM/Sports Kits – 1 no.		
		Virdi	Classrooms – 1 no. STEM/Sports Kits – 1 no.	12	Year - 3
		Kotambi	Classrooms – 1 no. STEM/Sports Kits – 1 no.		
		TOTAL - B		**58**	
3	Health & Hygiene Support	Navelim	Sanitation Unit Hygiene Facilities	29	Year - 1
		Maina	Sanitation Unit		
		Mayem	Sanitation Unit	17	Year - 2

S. No	Activity Head	Village	Physical Units	Cost (Lakhs)	Year
		Sanquelim	Sanitation Unit		
		Virdi	Sanitation Unit	12	Year - 3
		Kotambi	Sanitation Unit		
		TOTAL- C		58	

Total A + B + C: 232 lakhs

B. Based on Issues Raised in Public Hearing

S. No	Activity Head	Village	Physical Units	Cost (Lakhs)	
4	Skill Development & Employment	Navelim	Operator, Safety, Electrician, Fitter, Tally, Driving	174	Year - 1
		Maina	Operator, Computer Skills, Organic Farming		
		Mayem	Food Processing, Digital Skills	104	Year - 2
		Sanquelim	Safety, Driver Training, Fitter		
		Virdi	Entrepreneurship / Self-Help group	69	Year - 3
		Kotambi	Organic Farming / Livelihood		
		TOTAL - A		347	
5	Healthcare Facilities	Navelim	Medical camp - 2 no.s + specialist rounds - 2 no.s	39	Year - 1
		Maina	Health camp - 2 no.s + preventive kits - 1 no.		
		Mayem	Medical camp 2 no.s + children's health drive 1 no.	23	Year - 2
		Sanquelim	Medical camp 2 no.s + respiratory check-up 1 no.		
		Virdi	General camp 1 no. + health kits 1 no.	15	Year - 3
		Kotambi	General camp 1 no. + awareness program 1 no.		
		TOTAL - B		77	
6	Road Safety Measures	Sanquelim	Road Safety Signages – 10 no.s Speed Control Units – 6 no.s Reflectors – 20 no.s	23	Year - 1
		Navelim	Road Safety Signages – 6 no.s Speed Control Units – 4 no.s Reflectors – 10 no.s		
		Maina	Road Safety Signages – 6 no.s Speed Control Units – 4 no.s	14	Year - 2

S. No	Activity Head	Village	Physical Units	Cost (Lakhs)	
			Reflectors – 10 no.s		
		Kotambi	Road Safety Signages – 6 no.s Speed Control Units – 4 no.s Reflectors – 10 no.s		
		Virdi	Road Safety Signages – 4 no.s Speed Control Units – 2 no.s Reflectors – 6 no.s	9	Year - 3
		Mayem	Road Safety Signages – 3 no.s Speed Control Units – 2 no.s Reflectors – 4 no.s		
			TOTAL - C	**46**	
7	Water Body Restoration & RWH	Navelim	RWH Pits - 6 Desilting Works -1 Spring Work -1	20	Year - 1
		Maina	RWH Pits - 4 Desilting Works -1		
		Mayem	RWH Pits - 4 Spring Work -1	12	Year - 2
		Sanquelim	RWH Pits - 6 Desilting Works -1		
		Virdi	RWH Pits - 6	7	Year - 3
		Kotambi	RWH Pits - 3		
			TOTAL - D	**39**	
8	CSR Amenities	Navelim	Benches - 10 no.s LED Lights – 8 no.s Footpath Length – 300 m	11	Year - 1
		Maina	Benches - 6 no.s LED Lights - 6 no.s Footpath Length - 200 m		
		Mayem	Benches - 5 no.s LED Lights – 4 no.s Footpath Length – 150 m	7	Year - 2
		Sanquelim	Benches - 6 no.s LED Lights – 6 no.s Footpath Length – 300 m		
		Virdi	Benches - 4 no.s LED Lights – 4 no.s Footpath Length – 100 m	4	Year - 3
		Kotambi	Benches - 4 no.s LED Lights – 4 no.s Footpath Length – 100 m		
			TOTAL - E	**22**	

Total A + B + C + D + E: 531 lakhs

Grand Total

A. SIA Budget = ₹ 232 Lakhs

B. Public Hearing Issues Budget = ₹ 531 Lakhs

Total SID Budget = ₹ 763 Lakhs

Annexure-5

The main issues raised during the public hearing and their action plan:

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
1	Shri. Pratap P, Gauns EX – MLA Navelim	He welcomed the officials on the Dais and all the other officials present for the hearing. He stated that notice was published on the newspaper, however there was no awareness about the said hearing in the villages. He stated that before this company, two other companies were operating in this area and are closed now. And there were 121 local workers employed by these companies. He stated that till date there is no settlement done of these employees by these two companies. He stated that the Project Proponent should either settle these employees or grant an assurance that they will be employed by them. He stated that there are three schools and one higher secondary in the vicinity however, there is no mention in EIA report. There are 5 temples in Maina. There is no mention of the same in EIA report as well. He stated	**On Awareness of the Public Hearing** We hereby inform that the Public Hearing notice was duly published in the newspapers and displayed at all required public locations as per the EIA Notification, 2006. All statutory procedures for public intimation like announcement in FM Radio, announcement through mike in Auto, displaying notice in Panchayat offices, meeting with Village heads have been done and have been fully complied with by the Goa State Pollution Control Board and the District Administration.		
			On Previous Companies and Settlement of Their Workers We hereby submit that M/s Centreal Biofuels Limited is a new and independent company. We have no legal, financial or operational connection with the two companies that were		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		that not even hundred villagers are present for today's hearing and hence there is no use of such a hearing where public is not involved, He stated that the Project Proponent should swear in an Affidavit stating that 80 % of employment will be granted to the local villagers. He stated that no non- Goans should be employed. He stated that the wages / salaries should be fair enough. He sought to know the source of water supply and also the disposal method of the water waste generated. He stated that there is no mention of springs present in the vicinity and he requested that the survey should be done to acknowledge the same. He stated that there will be use of agricultural products made by the Project Proponent He sought to know source of these raw material and disposal method of waste generated. He stated that the Project Proponent should comply with the pollution control measures. He stated that the safety and health of the workers and villagers should be given preference. He stated that the project proponent should grant skilled jobs for the villagers.	previously functioning in this industrial area. However, we hereby assure the public that eligible local villagers will be given priority in employment in our project.		
			<u>Commitment to Local Employment (Preference to Goans and Local Villagers)</u> We hereby furnish that the project will create substantial direct and indirect employment opportunities as detailed in Chapter 1 and Chapter 8 of the EIA Report. We hereby assure that: • Maximum possible employment will be provided to Goan residents and local villagers. • Local candidates will receive first preference for unskilled, semi-skilled, and skilled jobs, subject to eligibility. • Skill-development and training programs will be conducted to equip local youth for technical and operator-level positions.	1st year to 3rd year	Rs. 347 Lakhs
			<u>Sensitive Receptors – Schools, Temples, Historical Places</u> We hereby submit that the EIA Report has already included all major sensitive receptors within the 10 km study area, as		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			presented in Table 2.3.2. This includes: • Nearest schools • Nearest hospitals and health centers • Rivers, water bodies, and surrounding settlements • Reserved forests and eco-sensitive areas • Notified Historical places, tourist locations, and archaeological sites		
			<u>On Springs in the Vicinity</u> We hereby inform that major water bodies such as the Mandavi River, Kudne River, Dicholi River, and other ponds/tanks have been documented in the EIA. We further submit that the project will not extract any groundwater; therefore, no impact on village wells or springs is anticipated.		
			<u>Fresh Water Source & Wastewater Disposal</u> We hereby submit that the entire water requirement of 4735 KLD (Phase-1: 2820 KLD& Phase-2: 1915 KLD) will be sourced from Mandavi River / Treated Water supplied by Government of Goa Water Treatment Plant. We have obtained assurance for water supply by the Office of the	1st year to 3rd year	Rs. 4000 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			Executive Engineer, Works Division – III, Bicholim, vide Order No. DDW / WD.III / ASW / 2025-26 dated 22-11-2025 in Phase wise. We hereby assure that: • The project will follow Zero Liquid Discharge (ZLD) technology. • All effluents will be treated in the ETP, Multiple Effect Evaporator (MEE), and Condensate Polishing Unit (CPU). • No wastewater will be discharged outside the premises.		
			<u>Raw Materials & By-product Disposal</u> We hereby submit that raw materials such as maize, bajra, jowar, corn, broken rice and other grains will be sourced from Goa and nearby states, as detailed in Table 2.8.1 of the EIA Report. We hereby furnish the details of by-products: • DDGS (Distillers Dried Grain Soluble) will be nutritive cattle feed • CO_2 will be recovered and sold to beverage/industrial units • Impure spirit will be reused or sold to authorized buyers • No hazardous solid waste except minimal spent oil		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			will be disposed through approved recyclers		
			<u>Pollution Control Measures</u> We hereby submit that the following pollution control measures will be installed as per the EIA: • High-Efficiency Electrostatic Precipitators (ESPs) for 2 × 68 TPH Boilers • ESP ensures particulate matter levels stay below 30 mg/Nm³ • Boilers will have 61 m high stacks for proper dispersion • Automatic interlock system will stop fuel feeding if ESP fails (Chapter 2, Table 2.9.1 and Chapter 10 of the EIA) **Bag filters will be installed at:** • Material handling • Conveyor de-dusting • Storage and unloading points **Other air pollution control measures include:** • Ultra-low NOx burners • Automated lime dosing for SOx control • Covered conveyors • Dust suppression systems	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			• Asphalted internal roads • Fly ash storage in silos All emissions will be within MoEF&CC, CPCB & SPCB norms.		
			Health, Safety & Worker Welfare We hereby assure that the project will maintain the highest standards of health and safety: • Occupational Health Centre • PPE for workers and mandatory safety training • Periodic health check-ups • Fire safety systems as per PESO • Emergency Response & Disaster Management Plan (ERDMP) • Controlled truck movement and internal road safety measures	1st year to 3rd year	Rs. 80 lakhs
			<u>Skilled Jobs & Local Capacity Building</u> We hereby furnish that local youth will be encouraged to take up operator-level, technical, laboratory, maintenance and safety-related jobs. Training and certification programs will be conducted to enhance their employability.	1st year to 3rd year	Rs. 347 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
2	Shri. Digambar A. Naik Maina Navelim	He states that he is an Ex Dy Sarpanch and a resident of Maina. He sates that the EIA report is total bogus. There is an archaeological site nearby, there are lakes, temples, school around 300 meters away from the Project site which are not recorded in the EIA Report. There is a high-tension line totally opposite the Proposed Project. The earlier unit, employed other migrants and outsiders, hence we had to object to the same. However, the said company shut down their unit. Thereafter one more unit had started but the employee's problems were not solved and settlement was not done and they closed down suddenly leaving all the villagers who were employed unemployed. He states that there were cashew nut plantations, and water bodies which were affected by the operations of the previous units on the area. He states that he is not objecting to the project, however, they should provide employment to the local youth and villagers. He requests the project proponent to conduct CSR activities for the benefits of the locals and nearby villages.	**<u>On the allegation that the EIA Report is "bogus"</u>** We hereby submit that the EIA Report has been prepared strictly as per the Standard Terms of Reference issued by MoEF&CC and by following all procedures prescribed under EIA Notification, 2006. The study includes detailed baseline data, site-specific surveys, secondary data, topographical analysis, and statutory environmental impact assessment methodologies. We respectfully clarify that the EIA has covered all required environmental components and sensitive locations within the 10 Km study area.		
			<u>Archaeological Sites, Lakes, Temples, Schools & Sensitive Receptors</u> We hereby submit that notified archaeological sites, tourist places, and historical locations are already documented in the EIA under the Environmental Setting section (Table 2.3.2). We also hereby submit that nearest schools, hospitals, villages, water bodies (rivers,		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			ponds) have been included in the EIA.		
			<u>High-Tension Line Opposite to the Project Site</u> We hereby submit that the high-tension line corridor has already been identified and clearly marked in the project layout within the EIA Report. We hereby assure that no construction activity will take place under the transmission line and all safety clearances mandated by CEA and Electrical Inspectorate will be strictly followed.		
			<u>Issues With Past Companies and Local Employment</u> We hereby assure that local youth will be given priority employment in our project and eligible villagers will be considered first for available posts.	1st year to 3rd year	Rs. 347 Lakhs
			<u>On Alleged Damage to Cashew Plantations and Water Bodies by Earlier Units</u> We hereby assure that our project includes the following robust environmental safeguards:	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			• Zero Liquid Discharge (ZLD): absolutely no wastewater discharge • High-efficiency ESP for boilers: PM < 30 mg/Nm³ • Fly ash storage in silos only • Covered material handling systems • Greenbelt of 33% area • Strict monitoring as per CPCB/SPCB norms These measures will ensure that nearby plantations, lakes, and natural resources will not be affected.		
			<u>Employment to Local Youth & Villagers</u> We hereby assure that maximum possible employment will be provided to locals Local candidates will be given preference for unskilled, semi-skilled, and skilled positions. Skill development and training support will also be provided so that local youth can qualify for technical roles.	1st year to 3rd year	Rs. 347 Lakhs
			<u>CSR Activities for Local Development</u> Under developmental initiatives we have already renovated Panchayat Anganvadi shed and will undertake further	1st year to 3rd year	Rs. 763 lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			developmental activities in coordination with • Local Panchayat, • Village leaders, and • Community representatives, • to ensure that benefits reach the local population, including: • Drinking water improvements • Support to schools • Health camps • Road safety measures • Village infrastructure improvements Developmental activities will be taken up in a sustained and structured manner.		
3	Shri. Pradeep Naik Maina Navelim	He stated that he is resident of the Maina Navelim. He stated that for the public hearing no awareness was done, not even 100 people are there and he stated that public hearing should be reschedule.	**<u>On Awareness of the Public Hearing</u>** We hereby inform that the Public Hearing notice was duly published in the newspapers and displayed at all required public locations as per the EIA Notification, 2006. All statutory procedures for public intimation like announcement in FM Radio, announcement through mike in Auto, displaying notice in Panchayat offices, meeting with Village heads have been done and have been fully complied with by the Goa State Pollution		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			Control Board and the District Administration.		
4	Shri. Shivaj iNaik Maina	He stated that he is the ex-Sarpanch of Mayem village. He stated that he is happy to know that the villagers will get employment through this company. He submitted that the hearing is wrongly done as there is no mention of the schools and other historical sites/water bodies, nallas, springs present in the vicinity in the EIA report. He stated that after the mining stopped there was only one industry that is Mohit ispat present in the area. However, now there are 7 plants present. which have caused a vast destruction in the villages. He sought to know lad to be used for transportation by the Project Proponent. He stated that there are a lot of non goans presently employed by the said companies, he raised a concern about the safety of the villagers due to this.	**<u>Employment Opportunities</u>** We hereby assure that maximum possible jobs will be provided to locals, as detailed in the EIA Report.	1st year to 3rd year	Rs. 347 Lakhs
			<u>On the Concern That Sensitive Features Are Not Listed in the EIA</u> We hereby submit that the EIA Report has already included all major sensitive receptors within the 10 km study area, as presented in Table 2.3.2. This includes: • Nearest schools • Nearest hospitals and health centers • Rivers, water bodies, and surrounding settlements • Reserved forests and eco-sensitive areas • Notified Historical places, tourist locations, and archaeological sites		
			<u>On the Claim That "The Hearing Is Wrongly Done"</u> We hereby inform that the Public Hearing notice was duly published in the newspapers and displayed at all required public locations as per the EIA		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			Notification, 2006. All statutory procedures for public intimation and public participation have been fully complied with by the Goa State Pollution Control Board and the District Administration.		
			<u>On Mining Closure and Increase in New Industries</u> We hereby assure that M/s Centreal Biofuels Limited is committed to: • Zero Liquid Discharge (no wastewater discharge) • ESP for boiler emissions (PM < 30 mg/Nm³) • Strict monitoring by GSPCB • Greenbelt development over 33% of the area These measures will not cause destruction to land, water bodies, vegetation, or the surrounding villages.	1st year to 3rd year	Rs. 6670 Lakhs
			<u>On Roads to Be Used for Transportation</u> We hereby submit that only the notified industrial roads will be used for transportation of raw materials and finished products. We hereby assure that: • No heavy vehicle movement will be routed through		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			narrow village internal roads. • A dedicated entry/exit will be used for trucks. • Speed limits will be imposed. • Vehicles will be covered to prevent spillage and dust. • Movement will be regulated to avoid inconvenience to villagers.		
			<u>On Employment of Non-Goans in Existing Industries</u> • We hereby assure that local village residents will be given priority for employment. • Local youth will be encouraged and trained for skilled positions. • External manpower will be engaged only for highly specialized roles where local availability is limited. We hereby assure that the safety of villagers will not be compromised in any manner.	1st year to 3rd year	Rs. 347 Lakhs
			<u>Safety of Villagers and Community Welfare</u> We hereby assure that: • 24×7 security and gate-control system will be maintained. • Entry of external workforce will be regulated.		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			• All workers will be registered and identity-verified. • Village boundaries will not be disturbed. • Developmental activities will be undertaken to support village infrastructure, schools, health camps, and other needs.		
5	ShriNilkhantGawas Navelim	He stated that he is the resident of Maina Navelim. He questioned as to how this Public hearing taken? There is no awareness to this public hearing? Only government servants and employees of company villagers are present. Further he asked who will get benefit through this? Why was not awareness created of this public hearing. He stated that on these plot area, 3 units had operated earlier i.e. Kalyani Tech and MN Tech both got shut down and still, no compensation is given to employees. | Whether the company M/s. Central Bio fuels will be doing the same? He stated that he is in favor of project. He questioned as to the purpose of this public hearing since no people have come for the	**<u>On Awareness of the Public Hearing</u>** We hereby inform that the Public Hearing notice was duly published in the newspapers and displayed at all required public locations as per the EIA Notification, 2006. All statutory procedures for public intimation like announcement in FM Radio, announcement through mike in Auto, displaying notice in Panchayat offices, meeting with Village heads have been done and have been fully complied with by the Goa State Pollution Control Board and the District Administration.		
			<u>On the Statement That "Only Government Staff and Company Employees Are Present"</u> We hereby inform that the Public Hearing is an open public process, and any resident could		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		Public Hearing only few people present. He questioned as to how the project proponent /authorities will control the coal Pollution? which is going to be transported to this plant. He stated that the road from sanquelim to Kotambi has no proper transport infrastructure how it will take heavy vehicles. He stated that EIA states the employment of 500 will be generated to whom who will it be provided? whether people of Navelim or outsiders ? 80% people of Navelim should get the job. He inquired as to how Will control pollution? The village people is already facing lot of health problem and pollution issues.	attend after seeing the public notice. Attendance is voluntary, and we do not have no control over who chooses to attend.		
			<u>Benefits of Project</u> We hereby submit that the project will provide: • Direct employment during construction and operation, • Indirect employment through transportation, logistics, maintenance, and support services, • CSR benefits to nearby villages, • Local procurement of raw materials from farmers (maize, sorghum, bajra, broken rice etc.), • Village development support in consultation with the Panchayat. Thus, locals will be the primary beneficiaries.	1st year to 3rd year	Rs. 347 Lakhs
			<u>On Previous Companies (Kalyani Tech, MN Tech) Who Shut Down Without Settling Workers</u> We hereby clarify that we bear no liability for pending dues or settlements of those entities. However, we hereby assure the villagers that our project shall:		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			• Comply with all labour laws, • Maintain full transparency in employment, • Provide priority employment to local residents,		
			<u>Purpose of This Public Hearing</u> We hereby submit that the Public Hearing is: • A mandatory legal requirement under the EIA Notification, 2006 • A forum to present facts about the project, • A platform for villagers to raise concerns, • A procedure for incorporating public suggestions into the Final EIA Report. All concerns raised today are recorded, addressed, and will be included in the final submission to MoEF&CC.		
			<u>On Control of Coal Pollution and Coal Transport</u> We hereby assure that stringent measures are proposed in the EIA to control fugitive dust and emissions from coal handling and transport:	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			• Covered coal trucks with tarpaulin • unloading with dust suppression • Water sprinklers on internal roads • Coal storage in covered sheds • Paved internal roads • Regular road cleaning • ESP (Electrostatic Precipitator) for boiler emissions • Stack height of 61 m for proper dispersion • Online monitoring of stack emissions These measures will ensure that coal dust does not affect nearby villages or plantations.		
			<u>On Poor Road Conditions (Sanquelim to Kotambi)</u> We hereby submit that: • Heavy vehicle movement will be restricted to permitted roads. • Speed restrictions will be imposed. • No truck movement will be routed through narrow village internal roads. • The company will coordinate with local authorities wherever road strengthening is required. We hereby assure that village safety and convenience will be protected.	1st year to 3rd year	Rs. 46 lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			<u>On Employment:</u> We hereby furnish that the project will create substantial direct and indirect employment opportunities as detailed in Chapter 1 and Chapter 8 of the EIA Report. We hereby assure that: • Maximum possible employment will be provided to local villagers. • Local candidates will receive first preference for unskilled, semi-skilled, and skilled jobs, subject to eligibility. Skill-development and training programs will be conducted to equip local youth for technical and operator-level positions.	1st year to 3rd year	Rs. 347 Lakhs
			<u>Pollution Control measures</u> We hereby submit that the project includes state-of-the-art environmental safeguards, including: **Air Pollution Control** • High-efficiency ESP for boilers (PM < 30 mg/Nm³) • 61 m stack height • Covered conveyors • Dust suppression systems • Greenbelt over 33% of the site	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			Water Pollution Control • Complete Zero Liquid Discharge (ZLD) • No wastewater will be discharged to outside premises • Treated water reused within the plant premises **Solid Waste Management** • DDGS as cattle feed • Ash will be stored silos and given to brick manufacturers **Noise Control** • Acoustic enclosures will be provided noise generating equipments. • Greenbelt development These measures will ensure that the project does not contribute to health problems or pollution in nearby areas.		
6	ShriVikasKamatSanquelim	Absent	---		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
7	Shri. Rajesh Sawal Virdi Sankhali	He stated that he is the resident of Virdi He stated that the Ex-Chairman Sanquelim Council and Government is taking initiative for new projects. Government has totally failed to control employment in private company.The company should give proper picture about the employment to be generated and who will be employed. He stated the Vedanta company last year advertised regrading recruitment in the GOA news paper but held interview at Bagalkot. The Vedanta company was given communidade land for meagre amount of 25 paisa by government. But no benefit is given to local people. He stated that many people are educated these people should be given jobs. He stated that transportation route is not clearly mentioned — 2 access usgao from tembai&Sanquelim cannot be	**<u>On Employment Transparency</u>** We hereby submit that the project will generate substantial direct and indirect employment, as detailed in Chapter 8 of the EIA Report. We hereby furnish the approximate employment details • Operation Phase: ~300 direct + indirect employment We hereby assure that: • Local villagers will be given priority in recruitment • Educated youth from nearby villages including Virdi, Navelim, Mayem, Sanquelim will be considered first • Outsiders will be taken only for highly specialized roles, if required A skill-gap survey and training program will be conducted in consultation with the Panchayat	1st year to 3rd year	Rs. 347 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		used as transportation road by the company. He stated that the Dattawadi bridge 1962 Portuguese blast the bridge and reconstructed government. He stated that the By pass road sanction Karapur to Sanquelim but till date not constructed. The Usgao road is used by ten wheeler heavy vehicles which is causing danger of accidents to 2 wheeler and 4 wheeler. He stated that there is no infrastructure development and transport is totally failure. He stated that the CSR percentages amount sanctioned is not Used for village development. The funds should be for public benefit for making footpath / etc. He stated that not only Navelim people but all the Goans face the pollution and consider all areas and CSR funds for all. He stated that the schools are not mentioned in their EIA report, rivers are not shown springs are not preserved and for this fully blame the Government.	**Benefit Locals** We hereby assure that: • Transparent recruitment will be followed • Employment will follow all labour laws and equal-pay rules • No discrimination will be made between local and outside workers • All contract work will be encouraged to be taken up by local contractors, wherever feasible		
			Transportation Route We hereby submit that: • Heavy vehicle movement will be restricted to permitted roads. • Speed restrictions will be imposed. • No truck movement will be routed through narrow village internal roads. • The company will coordinate with local authorities wherever road strengthening is required. We hereby assure that village safety and convenience will be protected.	1st year to 3rd year	Rs. 46 lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		He stated that the all pollution, accidents , transport pollution, health problems we have to face. He stated that for pollution free govt said to use 10 wheel vehicles in their new rules. He stated that way Government is not coming up with clear statement. He stated that Sesa Goa/Vedanta has permission to built pump house for drawing water from the river without any payment. He wanted to know how many contract basis employment and Direct or regular employment will be generated. He stated to inspect the company, check their salaries locals are less paid compare to outsiders. He stated that 500 employees will be taken how many will be locals and how many will be outsiders are not mentioned. He stated that to clean air machinery has to be installed to know correct picture.	**<u>Infrastructure Development & Transport System</u>** As part of developmental activities proposed, we hereby assure support for: • Village roads-related assistance (if permitted) • Streetlights • Footpaths • Community infrastructure • Public amenities CSR will be planned in consultation with village Panchayats.	1st year to 3rd year	Rs. 763 Lakhs
			<u>CSR Funds Not Used for Village Development</u> We hereby assure we will take up developmental activities, prioritising: • Health camps • School improvement • Drinking water facilities • Road safety infrastructure • Village amenities (footpaths, benches, community hall support etc.)	1st year to 3rd year	Rs. 763 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		Govt should inspect the village and see the pollution. He stated the contract outsourced should be given by local authorities.	**<u>Water Drawl Permissions</u>** We hereby submit that:M/s Centreal Biofuels Limited has applied for water drawl permission Approval has already been issued by the PWD Assistant Engineer, Bicholim,vide Order No. DDW/DIII/SD1/F39/411 25-26 dated 22/09/2025 No water will be drawn illegally or without Government permission		
8	ShriLakhan Gawas, Navelim	He Stated that the Pollution Control Board is present Here, However it does not take any measures to Control the pollution. He stated that the AQ1 is 82 in Navelim village. He stated that there is no improvement in the air quality. He Stated that there is a heritage temple built in 1934 in the village which is fully covered with dust all the time. He stated that there is no proper health care facility provided to the villagers. The villagers have to go to Government hospital in case of medical emergency. M/s. Vedanta has set up a health care clinic in the area, however only basic	**<u>Air Quality</u>** We hereby assure that the project uses best-in-class air pollution control systems, including: • High-efficiency Electrostatic Precipitator (ESP) (PM < 30 mg/Nm³) • 61-metre stack for proper dispersion • Covered conveyors • Dust suppression systems • Greenbelt over 33% of total area • Online Continuous Emission Monitoring System (CEMS)	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		facilities are available. He stated that there is mention of skilled and semi-skilled employment in the EIA. He sought to know if any survey is conducted to verify the same. He sought to know the source of raw material which will be used by the Project Proponent. He stated that heat in summer is unbearable and there are so many Heath Problems to the villagers. He stated that there should be proper health care facilities provided to the villagers. He stated that there is no awareness among the villagers about this public hearing and only a handful of villagers are present. He stated that there is no yield of coconuts. He stated that the water bodies are spoiled and there is no fish In the water. He alleged that nobody is concerned about the villagers that why should the villagers take the dust generated by these companies.	**<u>Heritage Temple</u>** We hereby assure that the temple will not be affected by emissions from our project because: • Coal handling will be fully covered • Trucks will be tarpaulin-covered • Fly ash will be stored in closed silos • ESP will ensure ultra-low particulate emissions • No dust-generating discharge will be permitted outside the premises We remain committed to protecting local cultural heritage.		
			Health Care Facilities for Villagers We hereby assure we will take up • Periodic free health camps for villagers • Support for local primary healthcare needs • Medical check-ups for workers and nearby community members • Coordination with existing Primary health centres to improve facilities	1st year to 3rd year	Rs. 77 lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			Skilled and Semi-Skilled Jobs We hereby assure that: • A detailed skill-gap assessment will be done during recruitment • Local youth will be trained for operator-level and technical jobs • Maximum jobs will be offered to Goan residents first We hereby commit to working with the Panchayat to identify eligible candidates.	1st year to 3rd year	Rs. 347 Lakhs
			Raw Material Source We hereby furnish that the raw materials include: Maize, Sorghum, Bajra, Jowar, Broken rice, Corn We hereby submit that these will be sourced from Local farmers to the extent possible&Farmers from Maharashtra and Karnataka		
			Impact on water bodies We hereby assure that our project includes the following robust environmental safeguards: • Zero Liquid Discharge (ZLD): absolutely no wastewater discharge	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			• High-efficiency ESP for boilers: PM < 30 mg/Nm³ • Fly ash storage in silos only • Covered material handling systems • Greenbelt of 33% area • Strict monitoring as per CPCB/GSPCB norms These measures will ensure that nearby plantations, lakes, and natural resources will not be affected.		
9	ShriDevanandSinari Amona	He States that they have not received the notice and he was inquisitive why the people have not turned up for the Public Hearing. He states that for the last Public Hearing regarding the oxygen plant, there were 700 to 800 objections against Vedanta, however, it was noticed that they changed the whole situation from black to white and it was proven that going for a public hearing was a waste of time. He states that the Ethanol plant will emit a lot of toxic gases which will cause blood cancer and throat cancers. He states that he has been following up complaint of pollution from 2018 regarding Vedanta, however no action is been taken in the matter. Tn 2024 the village panchayat has passed a Gram Sabha resolution that there is a lot pollution being cause in the area. He states that he met the SEE, GSPCB regarding the complaint on air pollution but	**<u>Low Attendance</u>** We hereby inform that the Public Hearing notice was duly published in the newspapers and displayed at all required public locations as per the EIA Notification, 2006. All statutory procedures for public intimation and public participation have been fully complied with by the Goa State Pollution Control Board and the District Administration.		
			<u>Health problems</u> We hereby submit that the project includes state-of-the-art environmental safeguards, including: **Air Pollution Control**	Rs. 6670 Lakhs	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		he replied to a complaint saying the pollution is cause by the traffic in the area. He was informed by the GSPCB official to take action at the village panchayat level. He states that Mr. PravinFadte has approached the high court In the matter as the GSPCB is not giving justice. He states that the children playing in the area are affected by the pollution in the area. He states that he also approached the Scientist 'D" for inspection of a complaint regarding graphite particles. He states that he met the Ex Member Secretary GSPCB, however she said that it's the NEERT who will look into the matter. He states that the villagers and locals have been affected by the pollution and the graphite as they Pose lung infections, the youth and children are affected and even carryon the same disease when they get married. He states that when the authorities are given the authority to stop the pollution the concerned authorities have to look into the matter and give justice to the people who are affected. He states that if the toxic gases are let out at night all will be affected without knowing about it. He requests the authorities to study the matter and provide justice. He questions when he files the RTI	• High-efficiency ESP for boilers (PM < 30 mg/Nm³) • 61 m stack height • Covered conveyors • Dust suppression systems • Greenbelt over 33% of the site **Water Pollution Control** • Complete Zero Liquid Discharge (ZLD) • No wastewater will leave the plant • Treated water reused inside the facility **Solid Waste Management** • DDGS as cattle feed • Ash will be stored in silos and given to brick manufacturers • **Noise Control** • Acoustic enclosures • Greenbelt development These measures will ensure that the project does not contribute to health issues		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		why he is required to make a huge payment for the document requested as he states that he is fighting for justice for the people. He questions why all this is happening since 2008 till date and why are they suffering all this and why justice is not being given till date. He states that the GSPCB has to be scrapped for not controlling the pollution. He states that the people would have welcomed a non-polluting unit which would not create any pollution in the area. He requests the Chairman GSPCB to look into the complaint filed regarding pollution in the area regarding high levels of carbon content in the air. He states that he objects to the operation of the Greenfield Project-2 x 300 KLPD Grain based Ethanol/ ENA Plant, 2 x 7.0 MW Co-generation power plant. He states that in Bihar a similar unit has plant has been operating and people have been adversely affected by the pollution caused by it, Hence due to this reason he too opposes this project.	**<u>Past Complaints Against Vedanta & Other Units</u>** We hereby submit that the complaints raised earlier about pollution in the area are related to other companies and not to M/s Centreal Biofuels Limited. This Public Hearing is only for our proposed project. We hereby assure that we will strictly follow all pollution-control measures mentioned in our EIA Report and operate fully as per GSPCB and CPCB norms. We will ensure that no scope is created for complaints against our project.	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
10	ShriVithal Shiva Gawas Navelim	He stated that the he is the resident of Navelim. He stated that the factory in Navelim Thankful to the Government. He stated that the textile kalyani and MN Tech Created Job Opportunities both got shut down. He stated that for this Public Hearing no awareness is generated and not mentioned any benefit to the people, side business to the people has people would have come to take the benefit. Only newspaper have published the advertisement. He stated that whether the agents from outside will be brought and employed and how many Direct and Indirect should be clear and given proper statement to be taken employment for fixed planned. He stated that the gates should be opened to take public grievances if company opens and appoint PRO. He welcomed the factory and maximum people should get the benefit from it.	**<u>On Awareness of the Public Hearing</u>** We hereby inform that the Public Hearing notice was duly published in the newspapers and displayed at all required public locations as per the EIA Notification, 2006. All statutory procedures for public intimation like announcement in FM Radio, announcement through mike in Auto, displaying notice in Panchayat offices, meeting with Village heads have been done and have been fully complied with by the Goa State Pollution Control Board and the District Administration.		
			<u>Local Employment</u> We hereby furnish that the project will create substantial direct and indirect employment opportunities as detailed in Chapter 1 and Chapter 8 of the EIA Report. We hereby assure that: • Maximum possible employment will be provided to local villagers. • Local candidates will receive first preference for unskilled, semi-skilled, and skilled jobs, subject to eligibility. • Skill-development and training programs will be conducted to equip local youth for technical and operator-level positions.	1st year to 3rd year	Rs. 347 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			Benefits Under developmental initiatives we have already renovated Panchayat Anganvadi shed and will undertake further developmental activities in coordination with • Local Panchayat, • Village leaders, and • Community representatives, • to ensure that benefits reach the local population, including: • Drinking water improvements • Support to schools • Health camps • Road safety measures • Village infrastructure improvements Developmental activities will be taken up in a sustained and structured manner.	1st year to 3rd year	Rs. 763 Lakhs
11	Shri. RohidasKansekar Navelim	He stated that he is the Sarpanch of Village PanchayatNavelim. He stated that the Hon'ble Chief Minister was requested fora establishment of plant/company in the Village which will help in the development of the villages,	**IDC Norms** We hereby assure that we will follow all IDC norms and coordinate with Local Panchayat for taking up developmental activities		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		that is when he came to know about this project and he is happy about it. He stated that the notice were displayed on the Panchayats notice board about the Public Hoaring, He stated that the report was studied and a meeting was held to Know about the project. He stated that grains which we use to produce ethanol which will help the farmers to sell their yield. He stated that the employment will be generated to the locals, He stated that he is happy that such a greenfield project is coming up In this village. He only requested the Project Proponent that it should abide by the IDC norms and grant 80% jobs to the locals. He fully supports the project of M/s. Centreal Biofuels Limited.	**On Employment:** We hereby furnish that the project will create substantial direct and indirect employment opportunities as detailed in Chapter 1 and Chapter 8 of the EIA Report. We hereby assure that: • Maximum possible employment will be provided to local villagers. • Local candidates will receive first preference for unskilled, semi-skilled, and skilled jobs, subject to eligibility. Skill-development and training programs will be conducted to equip local youth for technical and operator-level positions.	1st year to 3rd year	Rs. 347 Lakhs
12	Smt. KalpanaGawas Navelim	She states she is the Dy. Sarpanch of NavelimPanchayat. She states that this project will provide employment opportunities to the locals and villagers. She states that she fully supports the operation of the Greenfield Project-2 x 300 KLPD Grain based Ethanol/ ENA Plant, 2 x 7.0 MW Co-generation Power plant, She requests the Project Proponent to conduct CSR facilities to the local villages. She request the Project Proponent to take precautions and to see that the Ethanol	**On Employment:** We hereby furnish that the project will create substantial direct and indirect employment opportunities as detailed in Chapter 1 and Chapter 8 of the EIA Report. We hereby assure that: • Maximum possible employment will be provided to local villagers. • Local candidates will receive first preference for unskilled, semi-skilled, and skilled jobs, subject to eligibility.	1st year to 3rd year	Rs. 347 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
		project will not be create any pollution in the area due to the its operation.	Skill-development and training programs will be conducted to equip local youth for technical and operator-level positions.		
			<u>CSR Activities for Local Development</u> Under developmental initiatives we have already renovated Panchayat Anganvadi shed and will undertake further developmental activities in coordination with • Local Panchayat, • Village leaders, and • Community representatives, • to ensure that benefits reach the local population, including: • Drinking water improvements • Support to schools • Health camps • Road safety measures • Village infrastructure improvements Developmental activities will be taken up in a sustained and structured manner.	1st year to 3rd year	Rs. 763 Lakhs
			<u>Pollution Control Measures</u> • We hereby submit that the following pollution control	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			measures will be installed as per the EIA: • High-Efficiency Electrostatic Precipitators (ESPs) for 2 × 68 TPH Boilers • ESP ensures particulate matter levels stay below 30 mg/Nm³ • Boilers will have 61 m high stacks for proper dispersion • Automatic interlock system will stop fuel feeding if ESP fails (Chapter 2, Table 2.9.1 and Chapter 10 of the EIA) **Bag filters are used only for:** • Material handling • Conveyor de-dusting • Storage and unloading points **Other air pollution control measures include:** • Ultra-low NOx burners • Automated lime dosing for SOx control • Covered conveyors • Dust suppression systems • Asphalted internal roads • Fly ash storage in silos All emissions will be withinCPCB norms.		
13	Shri. Narayan	He stated that he is the resident of Navelim. He is Panch Member of Navelim. A plant is in Navelim has come ,infavours	**<u>Pollution Control Measures</u>** • We hereby submit that the following pollution control	1st year to 3rd year	Rs. 6670 Lakhs

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
	Gawas Navelim	but pollution should be controlled by Goa State Pollution Control Board. He stated that the 2 or 3 plants are there is Navelim and many people face problem. He stated that the CM Sawant and other politician talked about bio fuels He stated that about 500 employees will be employed is mentioned in the ETA report. It should be properly mentioned whether employment is for skilled or unskilled and benefit should given to locals. He stated that just like today the Panch Authorities are considered same will be seen for future and Goa State Pollution Control Board should control pollution.	measures will be installed as per the EIA: • High-Efficiency Electrostatic Precipitators (ESPs) for 2 × 68 TPH Boilers • ESP ensures particulate matter levels stay below 30 mg/Nm³ • Boilers will have 61 m high stacks for proper dispersion • Automatic interlock system will stop fuel feeding if ESP fails (Chapter 2, Table 2.9.1 and Chapter 10 of the EIA) **Bag filters are used only for:** • Material handling • Conveyor de-dusting • Storage and unloading points **Other air pollution control measures include:** • Ultra-low NOx burners • Automated lime dosing for SOx control • Covered conveyors • Dust suppression systems • Asphalted internal roads • Fly ash storage in silos All emissions will be withinCPCB norms.		

Sl. No	Name & Village	Issues Raised	Compliance	Time schedule	Budget allocation
			<u>On Employment</u> We hereby submit that the project will generate substantial direct and indirect employment, as detailed in Chapter 8 of the EIA Report. We hereby furnish the approximate employment details: • Construction Phase: ~200 persons • Operation Phase: ~300 direct + indirect employment We hereby assure that: • local villagers will be given priority in recruitment • Educated youth from nearby villages will be considered first • Outsiders will be taken only for highly specialized roles, if required • A skill-gap survey and training program will be conducted in consultation with the Panchayat	1st year to 3rd year	Rs. 347 Lakhs
14	Shri. Prasad Naik Navelim	He stated that he fully supports the project of M/s. Centreal Biofuels Limited.	Noted		
15	Anshi Naik Navelim	She states she is the Panch Member of NavelimPanchayat. She states that she fully supports the opeation of the Greenfield Project-2 x 300	Noted		