



Letter no: BAEPL/ 2023/ 29

Dt. 16.05.2023

To

**The Additional Principal Chief Conservator of Forest**  
Ministry of Env. Forest and Climate Change,  
Govt. of India ,Regional Office, (Eastern Zone)  
A/3, Chandrasekharapur  
Bhubaneswar-751023

Sub: **Submission of Six monthly Environmental Compliance status report for the period from October,2022 to March,2023**

Sir,

With reference to the above subject, we are submitting herewith the Six monthly compliance status report to the conditions stipulated in the Environmental Clearance issued by the Govt. of India, Ministry of Environment, Forest and Climate Change for favour of kind acceptance.

For Bio Agro Energy Pvt. Ltd  
For BIO AGRO ENERGY PVT. LTD.

  
DY. GENERAL MANAGER  
ADMIN. LEGAL & PR  
**DGM- Admin, Legal & PR**

Encl: a/a

- Copy to:**
1. The Regional Director Central Pollution Control Board, Eastern Zonal office, southern Conclave, Block-502, 5<sup>th</sup> and 6<sup>th</sup> floor, 1582 Rajdanga Main road, Kolkata-700107
  2. Member Secretary, State Pollution Control Board, Odisha , Paribesh Bhawan, A/118, Nilakanatha Nagar , Unit-8, Bhubaneswar-751012.
  3. Regional Officer, State Pollution Control Board, Bolangir.

**Bio-Agro Energy Pvt. Ltd,**

CIN : U241200R2021PTC037684, Email : office@bioagroenergy.in

N-6/454, IRC Village, 3rd Floor, Opp. Crown Hotel, Bhubaneswar - 751015, Odisha, Tel. : 0674 - 3500284 / 3500285

**Regd. Office :** N-2/25, IRC Village, Nayapalli, Bhubaneswar-751015, Khodha, Odisha, Tel.No.: +91 11 674 2559009

Six Monthly Compliance Status report  
complying to Specific and General  
Environmental Clearance Conditions for  
the period

**(From 1<sup>st</sup> October -2022 to 31<sup>st</sup> March -2023)**

Of

**M/s Bio Agro Energy Pvt. Ltd**

Village- Bankbija & Saradhapali, Po- S. Kalapathar,  
Tehsil: Sonapur, Dist- Sonapur, Odisha, Pin – 767017

**Submitted to:**

Ministry of Environment , Forest and Climate Change  
Regional office (Eastern Zone), A/3 , Chandrasekhar  
pur, Bhubaneswar -751023, Odisha

**By :**

**M/s Bio Agro Energy Pvt. Ltd**



Compliance to the conditions stipulated in the Environmental Clearance issued by Ministry of Environment, Forest & Climate Change vide File No- IA-J-11011/196/2022-IA-II(I), EC Identification No- EC22A060OR148841 dated 28/07/2022 for the Proposed 200 KLPD Grain based Ethanol plant along with 5.0 MW Co-generation Power plant at village – Bankbija & Saradhapali, Tehsil- Sonepur, Dist-Sonepur, Odisha -767017.

**A. Specific Conditions- Period of Report : March ending 2023**

| Sl. No. | Specific Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Compliance                                                                                                                              |
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| (i).    | As per the Notification S.O. 2339(E), dated 16 <sup>th</sup> June, 2021, project falls in category B2 and the proposed capacity of 200 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. | Noted.<br>After commissioning, Ethanol shall be used exclusively for fuel blending programme only.<br>The conditions shall be complied. |
| (ii).   | 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.                                                                                                                                                                                                                                                                                                                                                      | Noted.<br>The condition shall be complied.                                                                                              |
| (iii).  | The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat sewage generated from factory premises.                                                                                                                                                                                                                                                                                                                                                                                                                                 | Noted.<br>Plant is designed for Zero Liquid discharge.<br>The condition shall be adhered to                                             |
| (iv).   | 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.                                                                                                                                                                                                                                                                                                                                  | Conversion of land already made by Tahasildar and Orders to that effect have been obtained                                              |
| (v).    | Total Fresh water requirement shall not exceed 4 KL/KL of ethanol production and will be met from Mahanadi River. Prior permission shall be obtained for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Noted.<br>The conditions shall be adhered to                                                                                            |



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|         | surface water withdrawal before start of construction activities. No ground water recharge shall be permitted within the premises. Industry shall construct a storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption                                                                                                                                                                                                                                                              |                                              |
| (vi).   | The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. ESP shall be installed with the boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm <sup>3</sup> . Boiler ash will be utilized in proposed in-house brick manufacturing unit. PP shall use biomass like rice husk/bagasse as fuel for the proposed boiler. Coal shall not be used as fuel. PP shall meet 10% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas. | Noted.<br>The conditions shall be adhered to |
| (vii).  | CO <sub>2</sub> generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.                                                                                                                                                                                                                                                                                                                                                                                                                                      | Noted.<br>The conditions shall be complied.  |
| (viii). | PP shall allocate at least Rs. 50 Lakhs/annum 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.                                                                                                                                                                                                                | Noted.<br>The conditions shall be complied.  |
| (ix).   | 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.                                                                                                                                                                                                                                                                                                                                                                                       | Noted.<br>The conditions shall be complied.  |
| (x).    | The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefightingsystem shall be as per the norms. PESO certificate shall be obtained.                                                                                                                                                                                                                                                                                                                                         | Noted<br>The conditions shall be complied.   |
| (xi).   | Process organic residue and spent carbon, if any, shall be sent to Cementand other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF. Filter press shall be installed.                                                                                                                                                                                                                                                                                                        | Noted.<br>The condition shall be complied.   |



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| (xii)   | <p>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>Noted.</p> <p>The conditions shall be complied.</p>                                               |
| (xiii). | <p>The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area @ 2500 trees per hectares, mainly along the plant periphery. 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 shall be developed before commissioning of the plant.</p>                                                                           | <p>Noted.</p> <p>To be complied</p>                                                                  |
| (xiv).  | <p>PP proposed to allocate Rs. 2.28 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for monitorable activities like up-gradation of schools with provision of facilities e.g. Class rooms, playground, Laboratory, Library, Computer class, toilets, Drinking Water Facilities, solar light/solar power support for uninterrupted power supply etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.</p> | <p>Noted.</p> <p>The condition shall be adhered to in consultation with District Administration.</p> |
| (xv).   | <p>There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc. Village road shall be maintained and proper safety shall be ensured by installation of proper road safety measures.</p>                                                                                                     | <p>Noted.</p> <p>The condition shall be complied as directed</p>                                     |



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| (xvi)    | Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment. | Noted.<br>The condition shall be complied.  |
| (xvii)   | Continuous online (24x7) monitoring system for stack emissions 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.                                                                                                                                                                                | Noted.<br>The conditions shall be complied. |
| (xviii). | 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 setup to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ ManagingDirector/CEO as per company hierarchy                                                                                                                                                                                          | Noted.<br>The condition shall be complied.  |

**B. General Condition :**

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| (i). | 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 | Noted<br><br>Prior approval will be taken if at all any expansion or modification takes place |
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|        | 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                                                                                                                                                                                                                                                                 |                                                                                                          |
| (ii).  | The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.                                                                                                                                                                                                                                                                                    | Noted.<br>LED has been considered for lighting purpose in the premises. The condition shall be complied. |
| (iii). | 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).                                    | Noted.<br>The conditions shall be complied.                                                              |
| (iv).  | 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.                                        | Noted.<br>All the directions will be adhered to as per norms                                             |
| (v).   | 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. | Noted.                                                                                                   |
| (vi).  | A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban                                                                                                                                                                                                                                                                                                 | --Noted                                                                                                  |



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|        | local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                   |
| (vii). | 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.                                                                                                                                                                                                                      | Noted.<br><br>EC and six-monthly Compliance Report for March 2023 has been has been sent to SPCB, Regional office and Regional Office of the Ministry.                                                                                                                                                                                                                                            |
| (viii) | The environmental statement for each financial year ending 31 <sup>st</sup> 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.                                                                                                                                                                                          | Noted.<br><br>The Plant is under process of construction.                                                                                                                                                                                                                                                                                                                                         |
| (ix).  | 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. | Complied.<br><br>Information in related to the Environment Clearance from MoEF&CC for the project, has been published in two local newspapers: Statesman – Bhubaneswar (English) on 22.04.2023 (Annexure 1a) and Sambad – Odisha (Odia) (Annexure 1b) on 21 <sup>st</sup> April 2023 .<br><br>Copy of the advertisements have been forwarded to Regional Office of the Ministry along with report |
| (x).   | The project authorities shall inform the Regional Office as well as the Ministry,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Noted.<br>Date of Financial Closer- 31 <sup>st</sup> . March                                                                                                                                                                                                                                                                                                                                      |



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|       | the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.                                                                           | EC-28.07.2022<br>CTE- 15.09.2022<br>Date of start of Project-<br><br>Excavation work started for Boundary wall on 19/09/2022<br><br>Excavation started for Civil Foundation on 27/3/2023 |
| (xi). | This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and anyother Court of Law, if any, as may be applicable to this project. | Noted.                                                                                                                                                                                   |

