

SIX MONTHLY POST EC COMPLIANCE REPORT

(For the period of October 2023 to March 2024)

60 KLPD GRAIN BASED DISTILLERY PLANT (ETHANOL) ALONG WITH 2.5 MW POWER GENERATION

**AT POST: GAT NO. 1190, KHADKI, TAL – DAUND,
DIST. – PUNE, MAHARASHTRA**

OF

M/S VASUNDHARA GREEN BIO ENERGY PRIVATE LIMITED

- **Environment Clearance Identification No. EC22A060MH121927, Dated 31st August 2022**

Submitted to

Regional Office,

**Ministry of Environment and Forest, climate Change
(MOEF &CC),**

**Ground Floor, East Wing, New Secretariat Building, Civil
Line, Nagpur- 440001**

JUNE 2024



VASUNDHARA GREEN BIO ENERGY PVT LTD.

Reg. Office : Meghdoot Building, 1st Floor, S. No. 12/2,
Opposite Akashwani Kendra, Hadapsar, Pune - 411028

Date: 09-05-2024

To,
Regional Office,
Ministry of Environment and Forest, Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur-440001.

Subject: Submission of Six-Monthly Post Environmental Clearance Compliance Report for the period of October 2023 to March 2024 against the Environmental Clearance of 60 KLPD Grain Based Distillery Plant (Ethanol) along with 2.5 MW Power Generation (Environmental Identification No. EC22A060MH121927 Dated 31st August 2022), at Gat No. 1190, Khadki, Tal-Daund, Dist. - Pune, Maharashtra- by M/s Vasundhara Green Bio-Energy Private Limited.

Reference: 60 KLPD Grain Based Distillery Plant (Ethanol) along with 2.5 MW Power Generation the Environmental Identification no. - EC22A060MH121927 Dated on 31st August 2022

Dear Sir,

With reference to the above subject, we are submitting the Current Status of our manufacturing unit, monitoring reports, data sheet and point wise environmental clearance compliance status to various stipulations laid down in Environmental clearance of cogeneration & distillery by the EAC, Moef & CC and SEIAA, Maharashtra.

We hope the above information is in line with your requirement.

Thanking You,

Yours faithfully,

For M/s Vasundhara Green Bio-Energy Private Limited


Authorized Signatory

Encl: Compliance report

CC

- Department of Environment Gov. of Maharashtra
- MPCB Mumbai Office
- MPCB Pune Office



ENVIRONMENT CLEARANCE



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Director

VASUNDHARA GREEN BIO-ENERGY PRIVATE LIMITED

S.No 13/4a,Vithal Nagar, opp Akashwani Solapur Road , Pune,
Maharashtra ,,Pune,Maharashtra-411028

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/MH/IND2/281236/2022 dated 21 Jul 2022. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC22A060MH121927
2. File No.	IA-J-11011/243/2022-IA-II(I)
3. Project Type	New
4. Category	A
5. Project/Activity including Schedule No.	5g(a)-Grain Based distilleries for Ethanol Blended Petrol
6. Name of Project	Proposed 60 KLPD Grain Based Distillery Plant (Ethanol) along with 2.5 MW Power Generation at Gat No. 1190, Khadki, Tal -Daund, Dist. - Pune by M/s Vasundhara Green Bio-Energy Private Limited
7. Name of Company/Organization	VASUNDHARA GREEN BIO-ENERGY PRIVATE LIMITED
8. Location of Project	Maharashtra
9. TOR Date	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 31/08/2022

(e-signed)
A N Singh
Scientist E
IA - (Industrial Projects - 2 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

This is a computer generated cover page.



This has reference to your online proposal no. IA/MH/IND2/281236/2022, dated 21st July, 2022 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the project proposal seeking environmental clearance for setting up of 60 KLPD Grain Based Ethanol Plant alongwith 2.5 MW co-generation power plant located at Gat No. 1190, Village Khadki, Tehsil Daund, District Pune, Maharashtra by M/s. Vasundhara Green Bio-Energy Private Limited.

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

4. The details of products and capacity as under:

Sr No	Name of Unit	Name of the products /by products	Production capacity
1	Distillery	Ethanol	60 KLPD
2	Cogeneration power Plant	Power	2.5 MW
3	DWGS Dryer	DDGS	30 TPD
4	Fermentation	Carbon Dioxide	45 TPD

5. Standard ToR and public Hearing is not applicable as the project falls under category B2 as per Notification S.O. 2339(E), dated 16th June, 2021. It was informed that no litigation is pending against the project.

6. Total land area required is 8.0 hectares. Greenbelt will be developed in total area of 2.70 hectares i.e., 33.75 % of total project area. The estimated project cost is Rs. 75 Crores. Capital cost of EMP would be Rs. 19.40 Crores and recurring cost for EMP would be Rs. 0.61 Crores per annum. Industry proposes to allocate Rs. 1.5 Crores towards Extended EMP (Corporate Environment Responsibility). Total Employment will be 170 persons as direct & indirect.

7. PP reported that there are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Water bodies: Bhima River is flowing at a distance of 5.5 Km in North East direction and Roti nala is flowing at a distance of 1.6 Km in South West direction from project site.

8. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.089 µg/m³, 0.070 µg/m³, 0.045 µg/m³ and 0.053 µg/m³ with respect to PM10, PM 2.5 ,SO₂ & NO_x. The

resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

9. Total fresh water requirement for distillery including co-generation power plant 317 m³/day, which will be met from Bhima River. Application has been submitted to Executive Engineer, Department for management, Ujani dam, Department of Water Resources, Government of Maharashtra vide letter no. VGBEPL/14/2022-23 dated 20th July 2022. Raw Stillage (401 KLPD) will be sent to decanter followed by MEE and dryer to produce DDGS. Effluent (Condensate/ Spent lees /blowdown) of 360 m³/day quantity will be treated through Condensate polishing unit of capacity 500 m³/day. STP will be installed to treat sewage generated from factory premises. The plant will be based on Zero Liquid discharge system and no effluent/treated water will be discharged outside factory premises.

10. Power requirement will be 2.0 MW and will be met from proposed 2.5 MW cogeneration power plant. ESP with a stack height of 60 m will be installed with 22 TPH biomass fired boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm³. 1000 kVA DG set will be used as standby arrangement during power failure and stack height (6 m) will be provided as per CPCB norms to the proposed DG sets.

11. Details of process emissions generation and its management:

- ESP with a stack height of 60 meters will be installed for controlling the particulate emissions.
- Coal shall not be used as fuel.
- Online Continuous Emission Monitoring System will be installed with the stack and data will be transmitted to CPCB/SPCB servers.
- CO₂ (45 TPD) generated during the fermentation process will be collected by utilizing CO₂ scrubbers and collected in proposed bottling plant.

12. Details of Solid waste/Hazardous waste generation and its management:

- DDGS (Distilled Dried Grains Stillage) (30 TPD) will be sold as cattle feed / fish feed / prawn feed.
- Boiler ash (4.6 TPD) will be used for brick manufacturing in proposed brick manufacturing plant inside plant premises/supplied to brick manufacturers/ given to farmers to be used as manure.
- Used oil will be sold to authorized recyclers
- CPU & STP sludge will be used as manure.

13. As per the Notification S.O. 2339(E), dated 16th June, 2021, PP has submitted self-certification in the form of notarized affidavit declaring that the proposed capacity of 60 KLPD will be used for manufacturing of fuel ethanol only.

14. PP has reported that the total land of 8 Hectares is under possession of M/s. Vasundhara Green Bio-Energy Private Limited and land use conversion application has been submitted to Revenue Department, Government of Maharashtra dated 19th July, 2022.

15. EAC also discussed the following issues during its meeting held during 11th - 12th August, 2022:

- Land use conversion certificate shall be obtained before start of construction activities.
- Atleast 15% parking area shall be developed in total land area.
- Freshwater requirement per KL of ethanol production. EAC suggested to not exceed it 4 KL/KL of ethanol production.
- 60 days storage shall be provided for rain water storage.
- 10% of total power requirement shall be sourced from renewable energy.
- Native tree species shall be included while doing greenbelt development and in consultation with DFO. The tree density shall be maintained as 2500 trees/ Ha. Uniform green belt shall be developed along the plant boundary within the plant premises including the western boundary of the plant. Tree plantation shall be done along the road connecting plant to the main road.
- OHS budget allocated is Rs. 25 lakhs.
- Instead of supplying RO facilities to nearby villages, provide solar lighting and school upgradation in two villages as CER activities.
- Prescribed standards of PM shall be 50 mg/Nm³ as bagasse is being used as fuel.
- EHS head shall report to Head of Organization.
- Filter press shall be installed instead of sludge drying beds.

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

16. The proposal was considered by the EAC (Meeting ID: IA/IND2/13302/11/08/2022) and meeting was held on 11th - 12th August, 2022 in the Ministry, wherein the project proponent and their environmental consultant namely M/s. Techno Green Solution, presented the case under B2 category. The Committee **recommended** the project for grant of environmental clearance.

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

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 for **setting up of 60 KLPD Grain Based Distillery Plant (Ethanol) along with Power Generation of 2.5 MW located at Gat No. 1190, Khadki, Tal -Daund, Dist. - Pune, Maharashtra by M/s. Vasundhara Green Bio-Energy Private Limited**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

A. Specific Condition:

- (i). As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed capacity of 60 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.
- (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.

- (iii). NOC from the MIDC for surface water supply shall be obtained before starting plant construction for the project activities, State Pollution Control Board / Pollution Control Committees 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.
- (iv). Total Fresh water requirement shall not exceed 4 KL/KL of ethanol production and will be met from Bhima River. No ground water recharge shall be permitted within the premises. Industry shall construct a rainwater storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
- (v). Spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). Treated effluent will be recycled/reused for make up water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat sewage generated from factory premises.
- (vi). ESP alongwith 60 m high stack shall be provided to biomass fired boiler to control particulate emission within $50\text{mg}/\text{Nm}^3$ and $30\text{ mg}/\text{Nm}^3$ for coal as fuel. SO_2 and NO_x emissions shall be below $100\text{ mg}/\text{Nm}^3$. At no time, the emission levels should exceed beyond 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. Coal shall not be used as fuel.
- (vii). 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.
- (viii). Boiler ash will be used for brick manufacturing in proposed brick manufacturing plant inside plant premises/supplied to brick manufacturers in covered trucks/ given to farmers to be used as manure. PP shall use biomass like rice husk/bagasse as fuel for the proposed boiler. Low sulphur coal with maximum sulphur content of 0.5% shall only be used only in case

of biomass unavailability. PP shall meet 10% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas.

- (ix). CO₂ generated from the process shall be collected in proposed bottling plant.
- (x). PP shall allocate at least Rs. 25 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.
- (xi). 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.
- (xii). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. PESO certificate shall be obtained.
- (xiii). 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. Filter press shall be installed for drying of sludge.
- (xiv). 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.
- (xv). The green belt of at least 5-10 m width shall be developed in 2.7 ha nearly 33% of the total project area with tree density @2500 trees per hectares, mainly along the plant periphery. Uniform green belt shall be developed along the plant boundary within the plant including the western boundary of the plant. Tree plantation shall be done along the road connecting plant to the main road. 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.

- (xvi). PP proposed to allocate Rs. 1.5 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.
- (xvii). 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.
- (xviii). Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
- (xix). 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.
- (xx). 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/ Managing Director/CEO as per company hierarchy.

- (xxi). 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.

B. General Condition:

- (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 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.
- (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).
- (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.
- (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.
- (vi) 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.

- (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.
- (viii) 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.
- (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 <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.
- (x) 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.
- (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 any other Court of Law, if any, as may be applicable to this project.

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.

(A. N. Singh)
Scientist-'E'

Copy to: -

1. The Secretary, Department of Environment, Government of Maharashtra, Mumbai 400 032
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001 Maharashtra
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai – 22
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Pune, Maharashtra
7. Guard File/Monitoring File/Parivesh portal/Record File

(A. N. Singh)
Scientist-'E'

E-mail: aditya.narayan@nic.in
Tel. No. 11-24642176

Signature Not Verified
Digitally signed by A N Singh
Scientist E
Date: 8/31/2022 7:46:05 PM

PART A

PROJECT INFORMATION

PROJECT INFORMATION SHEET

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)		:	Industrial Project (Distillery)
2.	Name of the project		:	Proposed 60 KLPD Grain Based Distillery Plant (Ethanol) along with 2.5 MW Power Generation at Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune by M/s Vasundhara Green Bio-Energy Private Limited
3.	Clearance letter (s) / OM No. and Date		:	EC Letter No. of Distillery – F. No. IA-J-11011/243/2022-IA-II(I)
4.	Location		:	Khadki, Daund,
	a.	District (S)	:	Pune
	b.	State (s)	:	Maharashtra
	c.	Latitude/ Longitude	:	18°21'20.03"N 74°41'5.68"E
5.	Address for correspondence			
	a.	Address of Concerned Project Manager Chief Engineer (with pin code & Telephone / telex / fax number	:	Shri. Mahendra Popat Wagh – Director Khadki, Tal – Daund, Dist. – Pune. Mail Id- vasundharagreenacc@gmail.com Contact No. - 9637535189
	b.	Address of Project: Engineer/Manager (with pin code/ Fax numbers)	:	
6.	Salient features			
	a.	of the project	:	60 KLPD Grain based distillery at above location.
	b.	of the environmental management plans	:	<p>A Effluent generation: Effluent (Condensate/ Spent lees /blowdown) of 360 m3/day quantity will be treated through Condensate polishing unit of capacity 500 m3/day.</p> <p>B. ESP with a stack height of 60 m is installed with 22 TPH biomass fired boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm3. 1000 kVA DG set will be used as standby arrangement during power failure and stack height (6 m) will be provided as per CPCB norms to the proposed DG sets.</p> <p>C.Solid waste;</p> <ul style="list-style-type: none"> • DDGS (Distilled Dried Grains Stillage) (30 TPD) will be sold as cattle feed / fish feed / prawn feed. • Boiler ash (4.6 TPD) will be used for brick manufacturing in supplied to brick manufacturers/ given to farmers to be used as manure. • Used oil will be sold to authorized recyclers • CPU & STP sludge will be used as

				manure.	
7.	Breakup of the project area		:		
	a.	submergence area forest & non-forest	:	Not Applicable	
	b.	Others			
		Total Plot Area	:	80000 Sq. M	
		Built - Up Area (Including Road)	:	31,499.38 Sq. M	
		Open Space available	:	11661.61 Sq. M	
		Green belt area	:	27246 Sq. M	
8.	Breakup of the project affected Population with enumeration of Those losing houses / dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless laborer's/artisan		:	Project land is owned by project proponent. So no population is affected	
	a.	SC, ST/Adivasis	:	No	
	b.	Others (Please indicate whether these Figures are based on any scientific and systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	:	No	
9.	Financial details		:		
a.	Project costs as originally planned & subsequent revised estimates and the year of price reference. b. Allocations made for Environmental Management Plan with item wise & year wise breakup.		:	Distillery: 75 Cr.	
Following expenditures have already made towards Environmental Management Plan. Separate funds were allocated for implementation of environmental protection measures / EMP. Refer Table for EMP cost Environmental Management Plan (EMP)					
Sr . N o.			Environment Aspect	Capital Cost (in Lacs)	Recurri ng Cost (in Lacs)
1			Air Pollution Control (Stack & ESP)	200	10
2			CO2 Plant	400	5
2			Condensate Polishing Unit	200	10
			MEE	450	5
	2	Dryer, Silo, cooling system & Packing (DWGS dryer)	600	10	

			3	Green Belt Development	25	4.5
			4	Rain water Harvesting	15	2
			5	Environment Monitoring (Online Monitoring System)	15	5
			6	Solid Waste Management	10	5
			7	Occupational Health	25	5
			Total		1940	61.5
c	Benefit Cost Ratio / Internal rate of Return and the year of assessment.		No			
d	Whether (c) includes the cost of Environmental Management as shown in the above.		Yes			
e	Actual expenditure incurred on the Project so far		55.29 Cr			
f	Actual expenditure incurred on the environmental management plans so far		19.40 Cr			
10.	Forest land requirement a. The status of approval for diversion of Forestland for non-forestry use b. The Status of clearing felling c. The status of compensatory Afforestation programme in the light of actual field experience		:	Not Applicable		
11.	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information		:	Not Applicable		
12.	Status of construction		:	Construction work is going on.		
	a.	Date of commencement (Actual and/or planned)	:	February 2023		
	b.	Date of completion (Actual and/or planned)	:	March 2024		
13.	Reasons for the delay if the Project is yet to start		:	Not applicable.		
14	Dates of site visits		:			
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:			
	b.	Date of site visit for this monitoring report	:	-		
15.	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for		:	-		

	Logistic support for site visits)		
	(The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.)	:	-

PART B

COMPLIANCE

OF

EC CONDITIONS

Compliance status to Conditions stipulated in Environmental Clearance (EC) granted for 60 KLPD Grain based Distillery project Gat No. 1190, Khadki, Tal –Daund, Dist. – Pune- by M/s. Vasundhara Green Bio Energy Private Limited vide letter EC Identification No. EC22A060MH121927 Dated 31/08/2022.

95% Installation of 60 KLPD grain-based distillery is completed.

Sr. No.	EC Conditions		Compliance
A. Specific Condition:			
I.	As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed capacity of 60 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.	:	Complied, Industry will follow Notification S.O. 2339(E), dated 16 th June, 2021 and as per self-declaration submitted to EAC, MOEF &CC. Industry manufacture ethanol and will be used completely for EBP Programme.
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.	:	Complied, <ul style="list-style-type: none"> • Industry provided ESP and stack to 22 TPH Boiler • Industry provided 500 CMD capacity of CPU to treat MEE condensate, spent lees and other effluent. • Fire hydrant system installed
III.	NOC from the MIDC for surface water supply shall be obtained before starting plant construction for the project activities, State Pollution Control Board / Pollution Control Committees 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.	:	Complied, Industry is not located in MIDC area. Industry submitted application to irrigation department. Industry constructed Rainwater Storage Pond having 130m length, 50 m width & 6m depth.
IV.	Total Fresh water requirement shall not	:	Will be complied, Water permission

	exceed 4 KL/KL of ethanol production and will be met from Bhima River. No ground water recharge shall be permitted within the premises. Industry shall construct a rainwater storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.		application is submitted to irrigation department. Industry submitted application to irrigation department No ground water recharge in within premises. Industry constructed Rainwater Storage Pond having 130m length, 50 m width & 6m depth.
V.	Spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. The condensate, spent lees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). Treated effluent will be recycled/reused for makeup water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat sewage generated from factory premises.	:	Complied, industry provided MEE, Dryer, CPU to treat spent wash and other effluent. Spent wash will be concentrated and dried to form DDGS to be used as cattle feed. The condensate, spent lees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). Treated effluent will be recycled/reused for makeup water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises.
VI.	ESP along with 60 m height stack shall be provided to biomass fired boiler to control particulate emission within 50mg/Nm ³ and 30 mg/Nm ³ for coal as fuel. SO ₂ and NO _x emissions shall be below 100 mg/Nm ³ . At no time, the emission levels should exceed beyond 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. Coal shall not be used as fuel.	:	Complied industry provided 60 m stacks and ESP to 22 TPH Boiler.
VII.	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.	:	Complied, Land conversion is completed copy of document is enclosed as annexure I
VIII.	Boiler ash will be used for brick manufacturing in proposed brick manufacturing plant inside plant premises/supplied to brick manufacturers in covered trucks/ given to farmers to be used as manure. PP shall use biomass like rice husk/bagasse as fuel for the proposed boiler. Low sulphur coal with maximum sulphur	:	Will be complied, Boiler ash will be used for brick manufacturing supplied to brick manufacturers in covered trucks/ given to farmers to be used as manure. PP not installed solar power by generating power inside plant premises/adjacent/nearby areas.

	content of 0.5% shall only be used only in case of biomass unavailability. PP shall meet 10% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas.		PP informed they complete within one year
IX.	CO2 generated from the process shall be collected in proposed bottling plant.	:	Complied, CO2 generated from the process will be collected in bottling plant. Work of Co2 bottling plant is in progress.
X.	PP shall allocate at least Rs. 25 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.	:	Partially complied, provision of Rs. 25 Lakhs/annum for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health will be set up. All workers & employees is provided with required safety kits/mask for personal protection.
XI.	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.	:	Will be complied, Training will be provided to all employees on safety and health aspects of chemicals handling. Safety and visual reality training will be provided to employees.
XII.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. PESO certificate shall be obtained.	:	Complied, Industry will make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system will be as per the norms.
XIII.	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. Filter press shall be installed for drying of sludge.	:	Not applicable
XIV.	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.	:	Complied, The Industry provided ZLD system and recycling maximum waste minimization measures to reduce wastewater generation.
XV.	The green belt of at least 5-10 m width shall be developed in 2.7 ha nearly 33% of the total	:	Complied, In 2.7 ha of the entire project area, the industry has developed a Green

	project area with tree density @2500 trees per hectares, mainly along the plant periphery. Uniform green belt shall be developed along the plant boundary within the plant including the western boundary of the plant. Tree plantation shall be done along the road connecting plant to the main road. 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.		Belt Area, mainly close to the plant's periphery. Along the entire plant's perimeter, including its western border, a uniform green belt is formed. Along the route that connects the plant to the main road, trees are planted. 6750 Native species have been developed and plant species are chosen in accordance with CPCB rules in consultation with the State Forest Department. Greenbelt development occurs prior to plant commissioning. Green Belt plan is enclosed as annexure II.
XVI.	PP proposed to allocate Rs. 1.5 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for monitor able 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.	:	Will be complied, Industry allotted Rs. 1.5 crores for the Extended EMP (CER), to be utilized as per the CER plan. In addition, all CER-recommended activities will be finished before the plant is commissioned, after consulting with the district administration. CER plan is enclosed as annexure III.
XVII.	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.	:	Complied, 9593.02 Sq.m Area inside the plant premises earmarked for parking of vehicles for raw materials and finished products..
XVIII	Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution	:	Will be complied, Storage of raw materials is silos. Biomass/bagasse is stored in covered sheds . Road construction is in progress The APC system is interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.

	Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.		
XIX.	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.	:	Complied, Online Monitoring system is installed. For online continuous monitoring of effluent, the unit will install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. Photographs of online monitoring system is enclosed as annexure IV.
XX.	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/ Managing Director/CEO as per company hierarchy.	:	Complied, A separate Environmental Management Cell equipped with full-fledged laboratory facilities is set up to carry out the Environmental Management and Monitoring functions. EMC head will report directly to Head of Organization/ Managing Director/CEO as per company hierarchy. Monitoring cell is enclosed as annexure V
XXI.	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.	:	Not complied, The Industry will 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.
B. General Condition:			
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	:	Noted.

	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.																		
II.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	:	Complied, industry provided LED bulb for lighting.																
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).	:	Complied, Monitoring reports are attached as Annexure VI																
IV.	The company shall undertake all relevant measures for improving the socioeconomic 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.	:	Will be complied, The Industry has provision to install RO Plants in ZP School of Khadki Worth 10 Lakh for the CER activities. The industry will undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment. PP informed they will be completed within one year																
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.	:	Complied, The Industry provided capital investment of Rs. 1940.00 lakh and a recurring cost of Rs 61.5 lakh per annum for environmental protection measures. <table border="1"> <thead> <tr> <th>Sr . No.</th><th>Environment Aspect</th><th>Capital Cost (in Lacs)</th><th>Recurring Cost (in Lacs)</th></tr> </thead> <tbody> <tr> <td>1</td><td>Air Pollution Control (Stack & ESP)</td><td>200</td><td>10</td></tr> <tr> <td>2</td><td>CO2 Plant</td><td>400</td><td>5</td></tr> <tr> <td>2</td><td>Condensate</td><td>200</td><td>10</td></tr> </tbody> </table>	Sr . No.	Environment Aspect	Capital Cost (in Lacs)	Recurring Cost (in Lacs)	1	Air Pollution Control (Stack & ESP)	200	10	2	CO2 Plant	400	5	2	Condensate	200	10
Sr . No.	Environment Aspect	Capital Cost (in Lacs)	Recurring Cost (in Lacs)																
1	Air Pollution Control (Stack & ESP)	200	10																
2	CO2 Plant	400	5																
2	Condensate	200	10																

			<table> <tr> <td></td><td>Polishing Unit</td><td></td><td></td></tr> <tr> <td></td><td>MEE</td><td>450</td><td>5</td></tr> <tr> <td>2</td><td>Dryer, Silo, cooling system & Packing (DWGS dryer)</td><td>600</td><td>10</td></tr> <tr> <td>3</td><td>Green Belt Development</td><td>25</td><td>4.5</td></tr> <tr> <td>4</td><td>Rain water Harvesting</td><td>15</td><td>2</td></tr> <tr> <td>5</td><td>Environment Monitoring (Online Monitoring System)</td><td>15</td><td>5</td></tr> <tr> <td>6</td><td>Solid Waste Management</td><td>10</td><td>5</td></tr> <tr> <td>7</td><td>Occupational Health</td><td>25</td><td>5</td></tr> <tr> <td></td><td>Total</td><td>1940</td><td>61.5</td></tr> </table>		Polishing Unit				MEE	450	5	2	Dryer, Silo, cooling system & Packing (DWGS dryer)	600	10	3	Green Belt Development	25	4.5	4	Rain water Harvesting	15	2	5	Environment Monitoring (Online Monitoring System)	15	5	6	Solid Waste Management	10	5	7	Occupational Health	25	5		Total	1940	61.5
	Polishing Unit																																						
	MEE	450	5																																				
2	Dryer, Silo, cooling system & Packing (DWGS dryer)	600	10																																				
3	Green Belt Development	25	4.5																																				
4	Rain water Harvesting	15	2																																				
5	Environment Monitoring (Online Monitoring System)	15	5																																				
6	Solid Waste Management	10	5																																				
7	Occupational Health	25	5																																				
	Total	1940	61.5																																				
VI.	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.	:	Complied. Copy of EC letter is submitted to grampanchyat																																				
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.	:	Complied, Industry Submitted six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to Regional Office of MoEF&CC, Nagpur and same copy with Environmental clearance uploaded on the website of the industry. https://vasundharagreen.in .																																				
VIII.	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	:	Will be complied project not yet in operation and will be in operation from this year																																				

	compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.		
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 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.	:	Complied, The Industry informed 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/ . Advertise copy of local newspaper is attached as Annexure VII
X.	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.	:	Noted
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 any other Court of Law, if any, as may be applicable to this project.	:	Noted.

ANNEXURES

LAND CONVERSION DOCUMENT

उपविभागीय अधिकारी दौंड-पुरंदर याचे कार्यालय उपविभाग पुरंदर

E-mail Id - sdodp2013@gmail.com

दुरध्वनी क्र. ०२११५/२२२०७९

क्र. एनए/एसआर/ १२१ /२०२२

पुरंदर दि.०८/०१/२०२३

प्रति,

तहसिलदार दौंड
ता.दौंड जि.पुणे



विषय - जमिन अकृषिक झाल्याची नोंद संबंधित जमिनीच्या गा.नं.नं २
तसेच ७/१२ सदरी घेणेबाबत

मौजे खडकी ता.दौंड जि.पुणे येथील जमिन ग.नं ११९० पै.क्षेत्र ८०००० चौ.मी. क्षेत्र या जागेवरील नियोजित शेतीपुरक (Grain Based Distillery) या औद्योगिक वापराच्या रेखांकन व बांधकाम परवानगी मिळणेबाबत.

संदर्भ - १) वसुंधरा ग्रीन बायो एनर्जी प्रा.लि.तर्फे मा.संचालक,श्री.विकास रामचंद्र रासकर, हडपसर, पुणे -२८ यांचा या कार्यालयाकडील अर्ज

२) महाराष्ट्र शासन महसुल व वन विभाग यांचेकडील परिपत्रक क्र.एनए-२०१७/प्र.क्र.११५/टी-१ दि.१९ ऑगस्ट २०१७

३) नगर रचनाकार बारामती शाखा बारामती पत्र क्र.एनएबीपी /मौजे खडकी / ता.दौंड / ग.न.११९० पै /नरबा/११८८ दि.२०/१०/२०२२

उपरोक्त नमुद विषयान्वये, शासन परिपत्रक दिनांक १९/०८/२०१७ मधील परिच्छेद क्रं. (II) (i) (ii) (iii) मध्ये नमुद केलेप्रमाणे अर्जदार वसुंधरा ग्रीन बायो एनर्जी प्रा.लि.तर्फे मा.संचालक,श्री.विकास रामचंद्र रासकर, हडपसर, पुणे -२८ यांनी मौजे खडकी ता.दौंड जि.पुणे येथील जमिन ग.नं ११९० पै.क्षेत्र ८०००० चौ.मी. क्षेत्र या जागेवरील नियोजित शेतीपुरक (Grain Based Distillery) या औद्योगिक वापराच्या रेखांकन व बांधकाम परवानगी मिळणेबाबत जमिन अकृषिक झाल्याची नोंद संबंधित जमिनीच्या गा.नं.नं. २ तसेच ७/१२ सदरी घेणेबाबत संदर्भित पत्र क्रं.१ अन्वये विनंती अर्ज या कार्यालयाकडे दाखल केलेला आहे.

२. अर्जदार यांनी विनंती केलेल्या मिळकतीचे वर्णन खालीलप्रमाणे आहे.

अ.क्र.	जमिन मालकाचे नांव	सर्व्हे नं/गट नं/ सिटी सर्व्हे नं	जमिनीचे वापरातील बदलाचे क्षेत्र (चौ.मी.)
१	वसुंधरा ग्रीन बायो एनर्जी प्रा.लि.तर्फे संचालक,श्री.विकास रामचंद्र रासकर	११९०	८०००० चौ.मी.
२	वसुंधरा ग्रीन बायो एनर्जी प्रा.लि.तर्फे संचालक,श्री.महेंद्र पोपट वाघ		
	एकुण क्षेत्र		८०००० चौ.मी.
	प्रयोजन		नियोजित शेतीपुरक (Grain Based Distillery) या औद्योगिक वापराच्या

रेखांकन व बांधकाम परवानगी

३. प्रकरणी अर्जदार यांनी सादर केलेले रेखांकन आराखडे नगररचना आणि मूल्य निर्धारण विभाग बारामती शाखा बारामती यांनी पत्र क्र.एनएबीपी /मौजे खडकी / ता.दोंड / ग.न.११९० पै /नरबा/११८८ दि.२०/१०/२०२२ रोजीचे पत्रान्वये मंजूर केलेले आहेत. नगर रचनाकार बारामती शाखा बारामती यांनी उपरोक्त दिलेल्या अभिप्रायामध्ये अर्जदार यांचेकडून विकास शुल्काची र रु १४८४६४६/-, आणि कामगार कल्याण कराची र रु २०७५१०३/- वसूल करणेबाबत कळविण्यात आलेले होते .

तसेच या कार्यालयाकडील अकृषिक आकारणीची होणारी रक्कम पुढीलप्रमाणे

अ.क्र.	तपशील	रक्कम
१	अकृषिक आकारणी क्षेत्र (चौ.मी.) औद्योगिक प्रयोजन	८०००० चौ.मी.
२	बिनशेती आकारणीचा दर (प्रति चौ.मी.)	०.१० पैसे
३.	बिनशेती करावयाच्या क्षेत्रावरील वार्षिक आकारणी	८०००/-
४	रुपांतरीत कराची आकारणी	४००००/-
५	जिल्हा परिषद कर	५६०००/-
६	ग्रामपंचायत कर	८०००/-
७	वतन संवर्गातील जमिन असल्यास ५० टक्के नजराना रक्कम	---/-
	वसूल करावयाची एकुण रक्कम रुपये	११२०००/-

अर्जदार यांनी अकृषिक आकारणीची र रु ११२०००/- चलन नं MH013140357 202223 E दि. ०२/०१/२०२३ अन्वये शासकीय तिजोरीत जमा केलेली आहे. तसेच रेखांकनाप्रमाणे होणारी विकास शुल्काची र रु १४८४६४६/-, चलन नं MH013140024 202223 E. ०२/०१/२०२३ अन्वये शासकीय तिजोरीत जमा केलेली आहे. तसेच कामगार कल्याण कराची र रु २०७५१०३/- डी डी द्वारे शासकीय तिजोरीत दि.०४/०१/२०२३ जमा केलेली आहे.

सबब आपणास या पत्रान्वये कळविण्यात येते कि, महाराष्ट्र जमीन महसूल अधिनियम १९६६ चे कलम ४४ अ मधील तरतुदीनुसार तसेच शासन परिपत्रक दिनांक १९/०८/२०१७ मधील परिच्छेद क्रं. (II) (i) (ii) (iii) मध्ये नमुद केलेप्रमाणे मौजे खडकी ता.दोंड जि.पुणे येथील जमिन ग.नं ११९० पै,क्षेत्र ८०००० चौ.मी. क्षेत्र या जागेवरील नियोजित शेतीपुरक (Grain Based Distillery) या औद्योगिक वापराच्या रेखांकन व बांधकाम परवानगी प्रयोजनाकामी, मंजूर विकास नियंत्रण नियमावलीतील तरतुदीनुसार, अर्जदार यांस खालील अटी व शर्तीवर अकृषिक व बांधकाम परवानगी देत आहे.

अटी व शर्ती

अ) रेखांकनाबाबतच्या अटी

- १) विषयांकित रेखांकनातील भूखंड/इमारती हे प्रादेशिक योजनेच्या तरतुदी तसेच प्रचलित नियमावलीतील शेती विभागामध्ये अनुज्ञेय असलेल्या कारणांसाठीच वापरणे आवश्यक आहे.
- २) येथे कोणतेही विकास कार्य सुरु करणेपुर्वी हे रेखांकन जागेवर आखून भूमि अभिलेख खात्याकडून प्रमाणित करून घ्यावे लागेल. रेखांकन जागेवर आखलेवर, कोणत्याही भूखंडाचे किमान क्षेत्रफळ, नकाशावर दर्शविल्यापेक्षा कमी भरता कामा नये. तसेच रस्त्याची रुंदीचे क्षेत्र मंजूर रेखांकनात दर्शविल्यापेक्षा कमी भरता उपयोगी नाही. यामध्ये काही फेरफार झाल्यास अभिन्यास पुन्हा मंजूर करून घ्यावा लागेल. अशा प्रमाणित रेखांकनाची प्रत या कार्यालयाकडे सादर करून त्यास अंतिम मंजूरी घेतल्याशिवाय कोणतेही विकास करणेत येऊ नये.
- ३) रेखांकनातील रस्ते, गटारे खुली जागा, व सुविधा क्षेत्र इत्यादी अर्जदारांनी जागेवर स्वखर्चाने व समाधानकारकरित्या विकसीत करणे आवश्यक आहे.

- ४) पाणी पुरवठा व सांडपाणी निचरा व्यवस्था अर्जदारांनी स्वखर्चाने व समाधानकारकरित्या करणे आवश्यक राहिल. जमिनीची मालकी, हद्दी, वहिवाट इत्यादीबाबत काही वाद उत्पन्न झाल्यास त्यास अर्जदार जबाबदार राहतील.
- ५) अर्जदाराने सादर केलेली कोणतीही माहिती अथवा कागदपत्रे ही चुकीची/दिशाभूल करणारी आढळल्यास प्रस्तुतची शिफारस रद्द समजणेत येईल.
- ६) वरील जागेचा वापर फक्त औदयोगिक वापरासाठी करण्यात यावा व बांधकाम मंजूर नकाशाप्रमाणे असावे.
- ७) स्थलदर्शक नकाशावर दर्शविल्याप्रमाणे नियोजित बांधकामापासून पुढील, मागील व बाजूची अंतरे प्रत्यक्षात जागेवर असली पाहिजेत व त्याखालील जागा कायम खुली ठेवावी.
- ८) नियोजित इमारतीसाठी आवश्यक असणाऱ्या पाण्याची सोय, सांडपाण्याची व मैला निर्मुलनाची व्यवस्था नसल्यास, प्रत्यक्ष वापरापूर्वी अर्जदाराने केली पाहिजे.
- ९) नियोजित बांधकामापेक्षा वेगळे बदल करावयाचे असल्यास किंवा वापर बदलावयाचा असल्यास पुर्व परवानगी घेणे आवश्यक राहिल.
- १०) जागेच्या हद्दी, क्षेत्र, मालकी हक्क, वहिवाट व अधिकृत पोहोच मार्ग इत्यादीबाबत काही वाद निर्माण झाल्यास त्यास अर्जदार जबाबदार राहतील.
- ११) प्रकाश व वायुविजन यासाठी ठेवलेल्या खिडक्यांचे क्षेत्र हे त्या संबंधीत खोलीच्या क्षेत्राच्या १/१० पेक्षाकमी असु नये.
- १२) विषयांकित जागेचे एकुण क्षेत्र विचारात घेऊन बांधकाम नकाशांची छाननी केलेली असुन परवानगीबाबत शिफारस केली आहे. सबब उक्त जागेची तुकड्या तुकड्याने अथवा गुंठेवारी प्रमाणे अनाधिकृत उपविभागणी करुन विक्री करता येणार नाही.
- १३) बांधकाम सुरु करणेपूर्वी अग्निशमन विभाग , महाराष्ट्र शासन यांचेकडील provisional fire NOC सादर करणे आवश्यक आहे. तसेच सदर विभागाकडील दि. ०४.०३.२०२२ चे पत्र क्र. MFS/५१/२०२२/३९१ मधील सर्व अटी व शर्ती अर्जदार यांच्यावर बंधनकारक राहिल.
- १४) विषयांकित बांधकाम नकाशाची छाननी, अनुज्ञेय चटई क्षेत्र, भुव्याप्त क्षेत्र याबाबतीत केलेली आहे. बांधकाम नकाशातील गणितीय चुका वा जागेवर बांधकाम नकाशावर नमुद केल्या व्यतिरिक्त जादा बांधकाम असल्यास त्यास संबंधित वास्तुशिल्पी व अर्जदार जबाबदार राहतील.
- १५) विषयाधिन जागेवर नियोजित औदयोगिक वापर सुरु करणेपूर्वी महाराष्ट्र प्रदुषण महामंडळाचा ना हरकत दाखला घेणे अर्जदारावर बंधनकारक राहिल.
- १६) मंजूर बांधकाम नकाशानुसार बांधकाम जागेवर पुर्ण झाल्यानंतर बांधकामाचा वापर सुरु करणेपूर्वी समुचित प्राधिकरणाकडुन भोगवटा प्रमाणपत्र घेणे भूखंडधारकावर बंधनकारक राहिल.
- १७) विषयांकीत रेखांकन व बांधकाम नकाशाची छाननी प्रस्तावासोबत उपलब्ध असणाऱ्या कागदपत्रांच्या आधारे केलेली आहे. (उदा. ७/१२ उतारे, कुलमुखत्यारपत्र, संमत्तीपत्र, मोजणी नकाशा इ.)या कागदपत्रांच्या अधिकृततेबाबत व अद्यावत नोंदीबाबत अर्जदार जबाबदार राहतील.
- १८) विषयाधिन जागेवर नियोजित औदयोगिक वापर सुरु करणेपूर्वी महाराष्ट्र औद्योगिक विभागाचे ना हरकत प्रमाणपत्र घेणे अर्जदारावर बंधनकारक राहिल.
- १९) भविष्यात कोणत्याही वेळेस नियमानुसार कोणतेही अन्य वाढीव शासकीय शुल्क देणे इत्यादी लागू असल्याचे आढळून आल्यास व फ़रक आढळून आल्यास सदरच्या शासकीय रक्कमेचा भरणा तात्काळ करणे अर्जदारावर बंधनकारक राहिल .
- २०) बिनशेती प्रस्तावित जागेचे अथवा गट नंबर मधील उर्वरीत जागेचे तुकडे पाडून अथवा गुंठेवारी प्रमाणे अनधिकृतरित्या भूखंड पाडता येणार नाहीत अशाप्रकारे अनधिकृतरित्या तुकडेपाडल्यास ही परवानगी रद्द समजणेत येईल.
- २१) नियोजित बांधकामामुळे भूखंडावर असलेल्या कोणाच्याही हक्काचा भंग होणार नाही याची जबाबदारी अर्जदार/मालकाने घेतली पाहिजे.
- २२) सदर वापर हा शेतीपुरक (Grain Based Distillery) औदयोगिक वापरासाठी होत असल्याने त्यामधून बाहेर पडणारा कचरा, हवा, व उपयोगात येणा-या पाण्यामुळे व दुषित पाण्यामुळे आजुबाजुचे



- नैसर्गिक प्रवाह(ओढे/नाले) प्रदुषित होणार नाही याची खबरदारी अर्जदार यांनी घेणे आवश्यक राहिल. त्याकरिता अर्जदार यांनी स्वतंत्र पुरक व्यवस्था स्वखर्चाने व स्वजबाबदारीवर करणे आवश्यक राहिल.
- २३) प्रकरणी केंद्रीय विस्फोटक विभागाची परवानगी घेणे आवश्यक असून उक्त परवानगी घेतल्या शिवाय बांधकाम सुरु करू नये.
- २४) विषयाधिन जागेवर नियोजित औदयोगिक वापर सुरु करणेपुर्वी महाराष्ट्र प्रदुषण महामंडळाचा ना हरकत प्रमाणपत्र घेणे अर्जदारावर बंधनकारक राहिल.
- २५) महाराष्ट्र ग्रामविकास व जलसंधारण विभाग यांचेकडील परिपत्रक क्र.संकीर्ण-२००९ /प्र.क्र.१२३ /पॅरा-७ दिनांक ३० ऑक्टोबर २००९ अन्वये बांधकाम परवानगी दिलेल्या प्रत्येक प्रकरणामध्ये युनिक क्रमांक देणेत यावा असे नमुद केलेले आहे. त्यानुसार सदर प्रकरणास युनिक क्रमांक खालील प्रमाणे दिलेला आहे.

वर्ष कोड	जिल्हा कोड	तालुका कोड	निर्धारण अधिकारी कोड	निर्धारण अधिका-यांनी दिलेला प्रकरण क्र.	बांधकामाचा टप्पा
२ ० २ २	१ १	१ १ १	० ६	० १ २ १	० ०

वरील नमुद केलेल्या अटीपैकी कोणत्याही अटीचे किंवा शर्तीचे पालन न केल्यास तसेच अर्जदार यांनी सादर केलेली कोणतीही माहिती अथवा कागदपत्रे चुकीची व दिशाभुल करणारी निदर्शनास आल्यास अथवा वेळोवेळी अस्तित्वात असलेल्या कायद्यांचा भंग झालेस सदरची परवानगी रद्द समजण्यात यावी. जमिन अकृषिक झालेबाबतची योग्य ती नोंद नमुद मिळकतीचे ७/१२ सदरी घेण्याकामी फेरफार घेण्यासंदर्भात कार्यवाही करण्यास तसेच त्यानुसार गाव नमुना नं २ अदयावत करून दुरुस्त अधिकार अभिलेखाची प्रत व फेरफार अर्जदारास उपलब्ध करून देणेबाबत संबंधित तलाठी खडकी यांना आपले स्तरावरून कळविण्यात यावे. तसेच विषयांकित मिळकत अकृषिक झालेबाबतची नोंद नमुद मिळकतीचे ७/१२ सदरी व गाव नमुना नं २ ला घेणेची कार्यवाही संबंधित गाव कामगार तलाठी यांचे स्तरावरून झाली किंवा कसे? याची पडताळणी आपले स्तरावरून करणेत येऊन तदनंतर प्रस्तुतची नोंद तालुका नमुना नं २ ला घेणेकामी योग्य ती कार्यवाही करावी.



(Signature)
(प्रमोद गायकवाड)
उपविभागीय अधिकारी
दौंड-पुणे उपविभाग पुणे

✓ १) अर्जदार वसुंधरा ग्रीन बायो एनर्जी प्रा.लि.तर्फे मा.संचालक ,श्री.विकास रामचंद्र रासकर व इतर १ हडपसर , पुणे -२८

२) प्रत तलाठी खडकी ता.दौंड जि.पुणे

२/- प्रस्तुत पत्रात नमुद केलेप्रमाणे औदयोगिक प्रयोजनाकामी जमिन अकृषिक झाल्याची नोंद गाव नमुना नं २ मध्ये घेण्यात येऊन पत्रात नमुद केलेल्या अकृषिक सा-याची रक्कम प्रत्येक वर्षी अर्जदार यांचेकडून न चुकता वसूल करण्यात यावी. तसेच उपरोक्त नमुद अटी व शर्तीचा भंग होणार नाही याची दक्षता घ्यावी.

३) उपअधिक्षक भूमि अभिलेख दौंड यांना माहितीसाठी व पुढील आवश्यक त्या कार्यवाहीसाठी

४) नगररचना कार्यालय बारामती यांना माहितीसाठी व पुढील आवश्यक त्या कार्यवाहीसाठी

(Signature)
(प्रमोद गायकवाड)
उपविभागीय अधिकारी
दौंड-पुणे उपविभाग पुणे

GREENBELT







CER DETAILS

Table 1- Detailed environment management plan

Sr. No.	Environment Aspect	Capital Cost (in Lacs)	Recurring Cost (in Lacs)
1	Air Pollution Control (Stack & ESP)	200	10
2	CO2 Plant	400	5
3	Condensate Polishing Unit	200	10
4	MEE	450	5
5	Dryer, Silo, cooling system & Packing (DWGS dryer)	600	10
6	Green Belt Development	25	4.5
7	Rain water Harvesting	15	2
8	Environment Monitoring (Online Monitoring System)	15	5
9	Solid Waste Management	10	5
10	Occupational Health	25	5
Total		1940	61.5

PHOTOGRAPHS OF ONLINE MONITORING SYSTEM





Environment Management Cell

Chairman

Directors

Managing Director

Chief Chemist

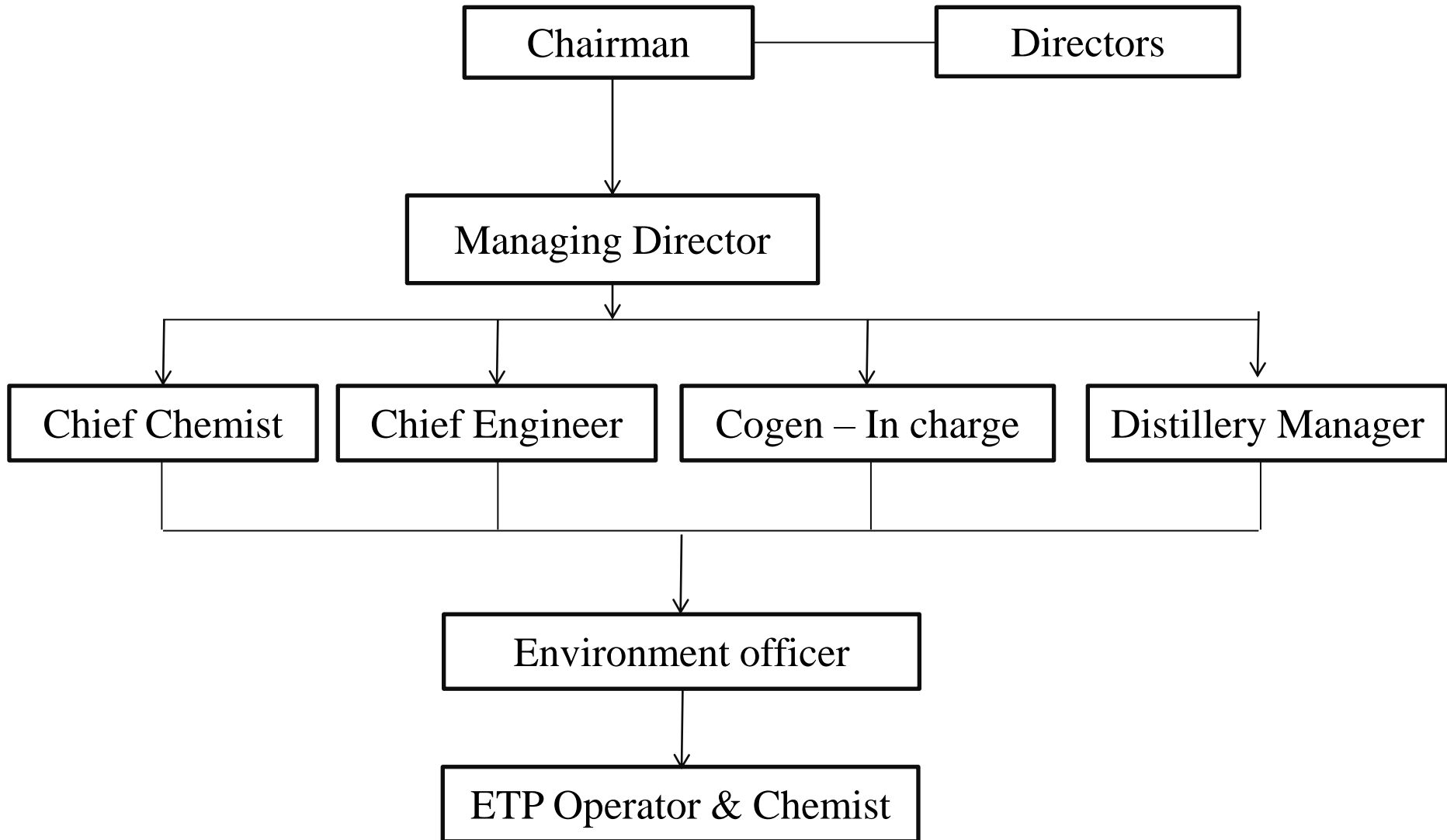
Chief Engineer

Cogen – In charge

Distillery Manager

Environment officer

ETP Operator & Chemist



ENVIRONMENT MONITORING REPORTS

Ambient Air Quality

Noise Level

Soil

Water

Sewage

DG set



TEST REPORT

Report No:	EHSM/2023/Nov/R-1324	Issue Date	24/11/2023
Name and Address of Customer	M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	16/11/2023	Sampling duration	1440 Min
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	30°C	Wet bulb temperature	28°C
Relative Humidity	71 %	Sampling done by	EHS Matrix Pvt. Ltd, Pune
Start Date of Analysis	18/11/2023	End Date of Analysis	23/11/2023

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO ₂)	17.8	µg/m ³	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO _x)	25.0	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	75.0	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	34.0	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.9	mg/m ³	≤ 04	

Remark- All above results are within National Ambient Air Quality standards.
BDL – Below Detectable Limit.



Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:		EHSM/2023/Nov/ R-1325		Issue Date		24/11/2023	
Name and Address of Customer		M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune					
Sample Name		Noise		Sample Description		Ambient Noise	
Date of Sampling		16/11/2023		Sampling duration		Spot Time	
Sampling done by		EHS Matrix Pvt.Ltd, Pune					
Results							
Sr. No.	Locations		Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))		Method
1.	Near Main Gate		68.4	59.0	75/70		CPCB Guideline
2.	Near Stack Area		66.3	56.5			
3.	Near Distillery		67.5	55.0			
Remark-							
➤ All above Noise level results are within Central Pollution Control Board Standards limit.							
➤ Day/Night -75/70 dB.							



Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:	EHSM/2023/Nov/ R-1326	Issue Date	24/11/2023
Name and Address of Customer	M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune		
Sample Name	Air	Sample Description	Fugitive Emission
Date of Sampling	16/11/2023	Sampling duration	1440 Min
Sampling Location	Near Bagasse Yard	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	32°C	Wet bulb temperature	27°C
Relative Humidity	54 %	Sampling done by	EHS Matrix Pvt. Ltd, Pune
Start Date of Analysis	18/11/2023	End Date of Analysis	23/11/2023

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO ₂)	17.0	µg/m ³	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO ₂)	25.0	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	82.0	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	43.0	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.7	mg/m ³	≤ 04	

➤ **Remark-** All above results are within National Ambient Air Quality standards.
BDL – Below Detectable Limit.



Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:	EHSM/2023/Nov/ R-1327	Issue Date	24/11/2023
Name and Address of Customer	M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune		
Sample Name	Soil	Sample Description	Soil
Date of Sampling	16/11/2023	Sampling Time	11:00 AM
Sampling Location	Project Site	Sampling Procedure	--
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sample Quantity	02 Kg
Start Date of Analysis	18/11/2023	End Date of Analysis	23/11/2023

Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	Soil Texture			Manual Of Soil Testing
	a) Sand	33	%	
	b) Silt	24	%	
	c) Clay	43	%	
2	pH at 25°C	7.4	--	IS 2720(Part 26) 1987
3	EC at 25°C	378.0	µS/cm	IS 14767 : 2000
4	Moisture Content	8.0	%	Manual Of Soil Testing
5	Organic Matter	1.0	%	IS 2720(Part 22) 1972
6	Cation Exchange Capacity	0.8	meq/100g	Manual Of Soil Testing
7	Bulk Density	0.6	g/cm ³	Manual of Soil; Testing
8	Available Phosphorus	45.0	mg/Kg	Manual Of Soil Testing
9	Available Nitrogen	210.0	mg/Kg	Manual Of Soil Testing
10	Water Holding Capacity	49.0	%	Manual Of Soil Testing
11	Calcium (as Ca)	33.0	mg/Kg	Manual Of Soil Testing
12	Magnesium (as Mg)	22.0	mg/Kg	Manual Of Soil Testing
13	Lead (as Pb)	<1.0	mg/Kg	Manual Of Soil Testing
14	Copper (as Cu)	<1.0	mg/Kg	Manual Of Soil Testing
15	Zinc (as Zn)	2.7	mg/Kg	Manual Of Soil Testing
16	Cadmium (as Cd)	<1.0	mg/kg	Manual Of Soil Testing
17	Iron (as Fe)	4.0	mg/Kg	Manual Of Soil Testing
18	Manganese (as Mn)	16.0	mg/Kg	Manual Of Soil Testing
19	Potassium (as K)	145.0	Mg/Kg	Manual of Soil Testing



Authorized Signatory
Mr. Rahul Patil
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik
Baugh, Sinhgad Road, Pune - 411051.
+91 20 2435 6133
+91 90961 85285 / +91 91585 60571

Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018
ISO/IEC 17025 : 2017 (NABL)



TEST REPORT

Report No:	EHSM/2023/Nov/R-1328	Issue Date	24/11/2023
Name and Address of Customer	M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune		
Sample Name	Drinking Water	Sample Description	Drinking Water
Date of Sampling	16/11/2023	Sampling Time	11.30 AM
Sampling Location	Cooler	Sampling Procedure	APHA 1060
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sample Quantity	02 L
Start Date of Analysis	18/11/2023	End Date of Analysis	23/11/2023

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (IS 10500:2012)	Methods
1	Colour	Clear	Hazen	5.0	APHA 2120 B, 23 rd Ed.2017
2	Odour	Agreeable	ppm	Agreeable	IS 3025 (Part 5)
3	Turbidity	<1	NTU	Agreeable	APHA 2130 B, 23 rd Ed. 2017
4	Taste	Agreeable "a"	--	<1	IS : 3025 (Part 8):1984
5	pH at 25°C	7.13	--	6.5 to 8.5	APHA 4500 B, 23 rd Ed.2017
6	Total Dissolved Solids TDS	65.0	mg/L	<500	APHA 2540 C, 23 rd Ed.2017
7	Total Hardness (as CaCO ₃)	32.0	mg/L	<200	IS 3025 (Part 21)
8	Total Alkalinity	20.0	mg/L	<200	IS 3025 (Part 23)
9	Sulphate (as SO ₄)	5.0	mg/L	<200	IS 3025 (Part 24)
10	Nitrate (as NO ₃)	1.0	mg/L	<45	APHA 4500 NO3, 23 rd Ed.2017
11	Fluoride (as F)	<0.1	mg/L	<1.0	APHA 4500 F, 23 rd Ed.2017
12	Residual free Chlorine	0.3	mg/L	>0.2	APHA 4500 Cl, 23 rd Ed.2017
13	Chloride (as Cl)	10.0	mg/L	<250	APHA 4500 Cl, 23 rd Ed.2017
14	Calcium(as Ca)	8.0	mg/L	<75	IS 3025 (Part 40)
15	Magnesium (as Mg)	5.0	mg/L	<30	IS 3025 (Part 46)
16	Iron (as Fe)	0.10	mg/L	<0.3	APHA 3111, 23 rd Ed.2017
17	Total Coliform	Absent	MPN/100ml	<2	IS 1622:1981
18	E.coli.	Absent	MPN/100ml	<2	IS 1622:1981

➤ Remark- The above water sample is Comply with required limit as per 10500:2012.



Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:	EHSM/2024/Feb/R-910	Issue Date	23/02/2024
Name and Address of Customer	M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	14/02/2024	Sampling duration	1440 Min
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	30°C	Wet bulb temperature	28°C
Relative Humidity	70 %	Sampling done by	EHS Matrix Pvt. Ltd, Pune
Start Date of Analysis	16/02/2024	End Date of Analysis	22/02/2024

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO ₂)	16.0	µg/m ³	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO _x)	21.0	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	70.0	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	31.0	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.8	mg/m ³	≤ 04	

Remark- All above results are within National Ambient Air Quality standards.
BDL – Below Detectable Limit.



Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:		EHSM/2024/Feb/ R-911		Issue Date		23/02/2024	
Name and Address of Customer		M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune					
Sample Name		Noise		Sample Description		Ambient Noise	
Date of Sampling		14/02/2024		Sampling duration		Spot Time	
Sampling done by		EHS Matrix Pvt.Ltd, Pune					
Results							
Sr. No.	Locations	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))	Method		
1.	Near Main Gate	66.4	57.0	75/70	CPCB Guideline		
2.	Near Stack Area	64.3	54.3				
3.	Near Distillery	65.8	52.0				
Remark-							
➤ All above Noise level results are within Central Pollution Control Board Standards limit.							
➤ Day/Night -75/70 dB.							



Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:	EHSM/2024/Feb/ R-912	Issue Date	23/02/2024
Name and Address of Customer	M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune		
Sample Name	Air	Sample Description	Fugitive Emission
Date of Sampling	14/02/2024	Sampling duration	1440 Min
Sampling Location	Near Bagasse Yard	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	30°C	Wet bulb temperature	27°C
Relative Humidity	59 %	Sampling done by	EHS Matrix Pvt. Ltd, Pune
Start Date of Analysis	16/02/2024	End Date of Analysis	22/02/2024

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO ₂)	15.0	µg/m ³	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO ₂)	22.0	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	78.0	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	40.0	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.6	mg/m ³	≤ 04	

➤ **Remark-** All above results are within National Ambient Air Quality standards.
BDL – Below Detectable Limit.



Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:	EHSM/2024/Feb/ R-913	Issue Date	23/02/2024
Name and Address of Customer	M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune		
Sample Name	Soil	Sample Description	Soil
Date of Sampling	14/02/2024	Sampling Time	11:30 AM
Sampling Location	Project Site	Sampling Procedure	--
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sample Quantity	02 Kg
Start Date of Analysis	16/02/2024	End Date of Analysis	22/02/2024

Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	Soil Texture			Manual Of Soil Testing
	a) Sand	36	%	
	b) Silt	23	%	
	c) Clay	41	%	
2	pH at 25°C	7.5	--	IS 2720(Part 26) 1987
3	EC at 25°C	398.0	µS/cm	IS 14767 : 2000
4	Moisture Content	9.0	%	Manual Of Soil Testing
5	Organic Matter	1.1	%	IS 2720(Part 22) 1972
6	Cation Exchange Capacity	0.7	meq/100g	Manual Of Soil Testing
7	Bulk Density	0.66	g/cm ³	Manual of Soil; Testing
8	Available Phosphorus	40.0	mg/Kg	Manual Of Soil Testing
9	Available Nitrogen	243.0	mg/Kg	Manual Of Soil Testing
10	Water Holding Capacity	50.0	%	Manual Of Soil Testing
11	Calcium (as Ca)	32.0	mg/Kg	Manual Of Soil Testing
12	Magnesium (as Mg)	20.0	mg/Kg	Manual Of Soil Testing
13	Lead (as Pb)	<1.0	mg/Kg	Manual Of Soil Testing
14	Copper (as Cu)	<1.0	mg/Kg	Manual Of Soil Testing
15	Zinc (as Zn)	2.1	mg/Kg	Manual Of Soil Testing
16	Cadmium (as Cd)	<1.0	mg/kg	Manual Of Soil Testing
17	Iron (as Fe)	4.4	mg/Kg	Manual Of Soil Testing
18	Manganese (as Mn)	13.0	mg/Kg	Manual Of Soil Testing
19	Potassium (as K)	133.0	Mg/Kg	Manual of Soil Testing



Authorized Signatory
Mr. Rahul Patil
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik
Baugh, Sinhgad Road, Pune - 411051.
+91 20 2435 6133
+91 90961 85285 / +91 91585 60571

Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018
ISO/IEC 17025 : 2017 (NABL)



TEST REPORT

Report No:	EHSM/2024/Feb/R-914	Issue Date	23/02/2024
Name and Address of Customer	M/s Vasundhara Green Bio-Energy Private Limited Gat No. 1190, Khadki, Tal – Daund, Dist. – Pune		
Sample Name	Drinking Water	Sample Description	Drinking Water
Date of Sampling	14/02/2024	Sampling Time	11.50 AM
Sampling Location	Cooler	Sampling Procedure	APHA 1060
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sample Quantity	02 L
Start Date of Analysis	16/02/2024	End Date of Analysis	22/02/2024

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (IS 10500:2012)	Methods
1	Colour	Clear	Hazen	5.0	APHA 2120 B, 23 rd Ed.2017
2	Odour	Agreeable	ppm	Agreeable	IS 3025 (Part 5)
3	Turbidity	<1	NTU	Agreeable	APHA 2130 B, 23 rd Ed. 2017
4	Taste	Agreeable "a"	--	<1	IS : 3025 (Part 8):1984
5	pH at 25°C	7.3	--	6.5 to 8.5	APHA 4500 B, 23 rd Ed.2017
6	Total Dissolved Solids TDS	58.0	mg/L	<500	APHA 2540 C, 23 rd Ed.2017
7	Total Hardness (as CaCO ₃)	28.0	mg/L	<200	IS 3025 (Part 21)
8	Total Alkalinity	23.0	mg/L	<200	IS 3025 (Part 23)
9	Sulphate (as SO ₄)	5.0	mg/L	<200	IS 3025 (Part 24)
10	Nitrate (as NO ₃)	1.0	mg/L	<45	APHA 4500 NO3, 23 rd Ed.2017
11	Fluoride (as F)	<0.1	mg/L	<1.0	APHA 4500 F, 23 rd Ed.2017
12	Residual free Chlorine	0.33	mg/L	>0.2	APHA 4500 Cl, 23 rd Ed.2017
13	Chloride (as Cl)	12.0	mg/L	<250	APHA 4500 Cl, 23 rd Ed.2017
14	Calcium(as Ca)	9.0	mg/L	<75	IS 3025 (Part 40)
15	Magnesium (as Mg)	5.0	mg/L	<30	IS 3025 (Part 46)
16	Iron (as Fe)	0.10	mg/L	<0.3	APHA 3111, 23 rd Ed.2017
17	Total Coliform	Absent	MPN/100ml	<2	IS 1622:1981
18	E.coli.	Absent	MPN/100ml	<2	IS 1622:1981

➤ Remark- The above water sample is Comply with required limit as per 10500:2012.



Authorized Signatory
Mr. Rahul Patil
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik
Baugh, Sinhgad Road, Pune - 411051.
+91 20 2435 6133
+91 90961 85285 / +91 91585 60571

Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018
ISO/IEC 17025 : 2017 (NABL)

**ADVERTISEMENT
IN
LOCAL NEWS PAPER**

लोकमत शुक्रवार दि. २२.९.२०२२

PUBLIC NOTICE

This is to inform all that the Export Appraisal Committee, Government of India has granted Environmental Clearance to Vasundhara Green Bio Energy Pvt. Ltd. Located at Meghdoot Building, 1st Floor, S. No. 12/2, Opposite Akashwani Kendra, Hadapsar, Pune-411028 for expansion of Grain based distillery unit from 60-kilo liters per day capacity. This Environmental Clearance is granted under the provision of EIA notification dated 14th September 2006. The copy of environmental clearance is available on website <http://vasundharaenergy.com> and www.pafresh.nic.in. Factory address: Gat no. 1190, Khadaki, Tal. Daund, Dist. Pune.

This advertisement is published in the public interest, according to the general conditions specification in the Environmental Clearance.

M/s Vasundhara Green Bio Energy Pvt. Ltd.
Director

जालीर नोटीस

मे. वसुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेड
प्लॉट नं. १२/२, खडकी, माझगा-बी.१, निहाळ-पुणे
आपूर्ति आयोग सरकार भारत सरकारने वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Export Appraisal Committee, GOI) यांच्याकडून १४ सप्टेंबर २००६ रोजी देण्यात आलेल्या पर्यावरण विनियमन अधिनियम २००६ च्या अटीनुसार वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Environmental Clearance) देण्यात आले आहे. या पर्यावरण विनियमन अधिनियम २००६ च्या अटीनुसार वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Environmental Clearance) देण्यात आले आहे. या पर्यावरण विनियमन अधिनियम २००६ च्या अटीनुसार वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Environmental Clearance) देण्यात आले आहे. या पर्यावरण विनियमन अधिनियम २००६ च्या अटीनुसार वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Environmental Clearance) देण्यात आले आहे.

मे. वसुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेड,
निहाळ

पुणे शुक्रवार दि. २२.९.२०२२

जालीर नोटीस

मे. वसुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेड,
प्लॉट नं. १२/२, खडकी, माझगा-बी.१, निहाळ-पुणे-४११०२८
आपूर्ति आयोग सरकार भारत सरकारने वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Export Appraisal Committee, GOI) यांच्याकडून १४ सप्टेंबर २००६ रोजी देण्यात आलेल्या पर्यावरण विनियमन अधिनियम २००६ च्या अटीनुसार वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Environmental Clearance) देण्यात आले आहे. या पर्यावरण विनियमन अधिनियम २००६ च्या अटीनुसार वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Environmental Clearance) देण्यात आले आहे. या पर्यावरण विनियमन अधिनियम २००६ च्या अटीनुसार वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Environmental Clearance) देण्यात आले आहे. या पर्यावरण विनियमन अधिनियम २००६ च्या अटीनुसार वासुंधरा ग्रीन बायो एनर्जी प्रायव्हेट लिमिटेडला (Environmental Clearance) देण्यात आले आहे.

This is to inform all that the Export Appraisal Committee, Government of India has granted Environmental Clearance to Vasundhara Green Bio Energy Pvt. Ltd. Located at Meghdoot Building, 1st Floor, S. No. 12/2, Opposite Akashwani Kendra, Hadapsar, Pune-411028 for expansion of Grain based distillery unit from 60-kilo liters per day capacity. This Environmental Clearance is granted under the provision of EIA notification dated 14th September 2006. The copy of environmental clearance is available on website <http://vasundharaenergy.com> and www.pafresh.nic.in. Factory address: Gat no. 1190, Khadaki, Tal. Daund, Dist. Pune.

This advertisement is published in the public interest, according to the general conditions specification in the Environmental Clearance.

M/s Vasundhara Green Bio Energy Pvt. Ltd.
Director

CONSENT TO ESTABLISH & OPERATE

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

RED/L.S.I (R60)
No:- Format1.0/CC/UAN No.MPCB-
CONSENT-0000149737/CE/2302001564

Date: 22/02/2023

To,
M/S VASUNDHARA GREEN BIO-ENERGY PRIVATE
LIMITED
Gat 1190, KHADKI,
TAL-DAUND, DIST.- PUNE



Your Service is Our Duty

**Sub: Consent to Establish for 60 KLPD grain based Distillery & 2.5 MW Co
gen plant under Red Category**

Ref: Minutes of 28th Consent Committee Meeting of 2022-23 held on 25.01.2023

Your application No.MPCB-CONSENT-0000149737 Dated 02.10.2022

For: Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
- The capital investment of the project is Rs.75 Crs. (As per C.A Certificate submitted by industry)**
- Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Ethanol	60	KL/D
2	Power	2.5	MW
3	CO2	45	MT/Day

- Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	311	As per Schedule-I	Recycle 100% to achieve ZLD

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	10	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler-22 TPH	1	As per Schedule -II
2	S-2	DG set-1000 kVA	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Boiler Ash	4	MT/Day	Segregation	To brick Manufacturing
2	yeast Sludge	0.7	MT/Day	Composting	Used as manure
3	CPU sludge	1.5	MT/Day	Composting	Used as manure
4	DDGS	30	MT/Day	--	As Cattle Feed

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	100	Ltr/A	Reprocessing	To Authorized Reprocesser

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. IA-J-11011/243/2022-IA-II(I) dtd 31.08.2022
11. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
12. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity. (Establish)
- . This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	100000.00	MPCB-DR-14720	11/10/2022	NEFT

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1.Conditions for Trade effluent:

A]

- I. As per your application, you have proposed Effluent Treatment Plant with decanter followed by MEE and dryer for treatment of spent effluent. For other Effluents viz. Condensate/ Spent lees /blowdown), you have proposed Condensate polishing unit of capacity 500 m3 /day.
- II. The treated effluent shall be 100 % reused/recycled in process and for secondary purposes so as to achieve Zero Liquid Discharge. In no any case industrial effluent shall find its way outside the factory premises directly/indirectly.

B] Industry shall provide CPU for recycle/reuse of treated effluent.

2.Conditions for Sewage/ Domestic effluent:

- i. You shall provide sewage treatment plant for the treatment of 10 CMD sewage generation due to expansion and provide including disinfection facility.
- ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No	Parameter	Concentration not to exceed(in mg/l except for pH
1.	pH	6.5-9.0
2.	BOD	100
3.	TSS	100

- iii. Treated sewage shall be used on land for gardening/ irrigation by achieving above prescribed standards.

3. The industry shall have bilateral agreement with farmers on whose land the treated effluent is used for irrigation purposes and copy of the agreements with validity shall be submitted to the Regional/Sub-Regional office of the board.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	761.00
2.	Domestic purpose	15.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	348.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO₂
1	Boiler-22TPH	ESP	60	Bagasse/Biomass	240 MT/Day	0.20	960.00
1	DG set-1000 KVA	Acaustic Enclosure	30	HSD	147 Ltr/Hr	1.00	70.56

2. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------

6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office MPCB.
8. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
9. Industry shall provide Online Continuous Emission Monitoring System (OCEMS) i.e. flow meter and night vision camera to ensure the Zero Liquid Discharge (ZLD) of spent wash and OCEMS for Boiler stack for PM parameter.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs 5.0 Lakhs	15 Days	Compliance of Consent Conditions & Environmental Clearance	Up to Commissioning of the Project	Up to Commissioning of the Project

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				



SCHEDULE-IV
General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.

12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
14. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.

25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
34. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
35. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
36. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.

37. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year
38. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

This certificate is digitally & electronically signed.



MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd, 3rd
and 4th floor, Opp. Cine
Planet Cinema, Near Sion
Circle, Sion (E),
Mumbai-400022

RED/L.S.I (R60)

Date: 07/06/2024

No:- Format1.0/CC/UAN No.MPCB-
CONSENT-0000198186/CO/2406000632

To,
M/S VASUNDHARA GREEN BIO-ENERGY PRIVATE
LIMITED
Gat 1190, KHADKI,
TAL-DAUND, DIST.- PUNE



Your Service is Our Duty

Sub: Consent to Operate (Part) for 60 KLPD grain-based distillery (out of proposed 90 KLPD) & 2.5 MW Co Gen plant under Red Category

- Ref:**
1. Consent to Establish Format1.0/CC/UAN No.MPCB-
CONSENT-0000149737/CE/2302001564 dtd 22.02.2023
 2. Consent to establish for expansion vide No Format1.0/CC/UAN
No.MPCBCONSENT-0000190887/CE/2403001589 dtd 16.03.2024
 3. Minutes of 33rd Consent Committee Meeting of 2022-23 held on
28.03.2024

Your application No.MPCB-CONSENT-0000198186 Dated 09.02.2024

For: Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 28/02/2025**
2. **The capital investment of the project is Rs.75 Crs. (As per C.A Certificate submitted by industry)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Ethanol	60	KL/D
2	Power	2.5	MW
3	CO2	45	MT/Day

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

<i>Sr No</i>	<i>Description</i>	<i>Permitted (in CMD)</i>	<i>Standards to</i>	<i>Disposal Path</i>
1.	Trade effluent	311	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	10	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

<i>Sr No.</i>	<i>Stack No.</i>	<i>Description of stack / source</i>	<i>Number of Stack</i>	<i>Standards to be achieved</i>
1	S-1	Boiler-22 TPH	1	As per Schedule -II
2	S-2	DG set-1000 kVA	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

<i>Sr No</i>	<i>Type of Waste</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
1	Boiler Ash	4	MT/Day	Segregation	To brick Manufacturing
2	yeast Sludge	0.7	MT/Day	Composting	Used as manure
3	CPU sludge	1.5	MT/Day	Composting	Used as manure
4	DDGS	30	MT/Day	--	As Cattle Feed

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

<i>Sr No</i>	<i>Category No./ Type</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
1	5.1 Used or spent oil	100	Ltr/A	Reprocessing	To Authorized Reprocesser

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. IA-J-11011/243/2022-IA-II(I) dtd 31.08.2022
- Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .

13. The industry shall create an Environment Cell by appointing an Environmental Engineer / Expert for looking after day-to-day activities related to Environment / Pollution control.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	100000.00	MPCB-DR-24690	22/02/2024	RTGS

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1.Conditions for Trade effluent:

A] As per your application, you have provided Effluent Treatment Plant with decanter followed by MEE and dryer for treatment of spent effluent. For other Effluents viz. Condensate/ Spent lees /blowdown), you have provided Condensate polishing unit of capacity 500 m3 /day.

B] Industry shall provide CPU for recycle/reuse of treated effluent.

2.Conditions for Sewage/ Domestic effluent:

i. You shall provide sewage treatment plant for the treatment of 10 CMD sewage generation due to expansion and provide including disinfection facility.

ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No	Parameter	Concentration not to exceed(in mg/l except for pH
1.	pH	6.5-9.0
2.	BOD	100
3.	TSS	100

iii. Treated sewage shall be used on land for gardening/ irrigation by achieving above prescribed standards.

3. The industry shall have bilateral agreement with farmers on whose land the treated effluent is used for irrigation purposes and copy of the agreements with validity shall be submitted to the Regional/Sub-Regional office of the board.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	761.00
2.	Domestic purpose	15.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	348.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO₂
S-1	Boiler (22TPH)	ESP	60	Bagasse/Biomass	8300 Kg/Hr	0.20	796.80
S-2	DG set-1000 kVA	Acoustic Enclosure	30	HSD	147 Ltr/Hr	1.00	70.56

2. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------

6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office MPCB.
8. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
9. Industry shall provide Online Continuous Emission Monitoring System (OCEMS) i.e. flow meter and night vision camera to ensure the Zero Liquid Discharge (ZLD) of spent wash and OCEMS for Boiler stack for PM parameter.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate(Part-I)	Rs 5.0 Lakhs	15 Days	Compliance of Consent Conditions & Environmental Clearance	Continuous	28.02.2026

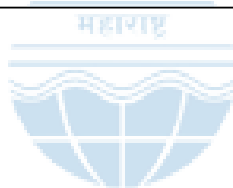
If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No. BO/MPCB/AS(T)/Circular/B-240229FTS0122

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				



SCHEDULE-IV

General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.

11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
14. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.

25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
34. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
35. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
36. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.

37. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

This certificate is digitally & electronically signed.

