

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	SIA/MH/IND2/75304/2010
Compliance ID	113806217
Compliance Number(For Tracking)	EC/M/COMPLIANCE/113806217/2024
Reporting Year	2024
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	04-12-2024
RO/SRO Name	Dr Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur
Note:- SMS and E-Mail has been sent to Dr Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.	

Six Monthly Compliance Report December 2024

Adlers Bioenergy Limited

Survey No. 284/B, Post Gaurgaon, Off Latur Barshi Highway, Tal. Kalamb , Dist. Osmanabad, Maharashtra

Submitted To

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



ADLERS BIO-ENERGY LIMITED
adding value to grain farming
CIN : U24116PN2005PLC021751

Date:03.12.2024

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

Sub: Submission of six monthly compliance report for Expansion Grain Based Distillery from 25 KLPD to 60 KLPD at Gaurgaon, Maharashtra for July to December 2024

Dear Sir,

We are herewith submitting compliance report as per the condition mentioned in the Environmental Clearance Identification No. EC23B022MH148280 Dated: 25.09.2023.

Submitting compliance report as given below,

Particulars	Description
1. Name of the Project	Expansion Grain Based Distillery from 25 KLPD to 60 KLPD Sy. No. 284 (B), village Gaurgaon, Taluka Kallamb, Dist. Osmanabad , Maharashtra by Adlers Bioenergy Ltd.
2. Project Proponent	Adlers Bioenergy Limited
3. Current status of the project	EC received on 25.09.2023 Project site construction work is in progress
4. Contact details of the nodal officer	Mr. Sachin Vaidya Vulcan House, 1 st Floor, Shakuntal Building, 46/10 Law College Road, Pune- 411004 Email Id: sachin.vaidya@adlersmail.com
5. Project Information sheet	Enclosure-I
6. Compliance condition status in the Environmental Clearance Identification No. EC23B022MH148280 Dated: 25.09.2023.	Enclosure-II

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

Thanking You
Yours faithfully,

For Adlers Bio-Energy Limited


(Sachin Vaidya)
Director



Part-I
DATA SHEET

1	Project Type: River Valley / Mining / Industry / Thermal / Nuclear/ Others (Specify)	Industry
2	Name of the Project	Expansion of Grain Based Distillery from 25 KLPD to 60 KLPD at Sy. No. 284 (B), Village Gaurgaon, Taluka Kallamb, District Osmanabad (Maharashtra) by M/s. Adlers Bioenergy Ltd.
3	Clearance letter(S)/OM No. and Date	EC Letter No. EC (MR)-2009/290/CR.57/TC.1 dated 17 th Feb 2010 copy attached EC Identification No. EC23B022MH148280 dated 25.09.2023 copy attached
4	Location a) District (s)	Osmanabad
	State (s)	Maharashtra
	Location latitude / longitude	Latitude 18°26'22.58"N, Longitude 76° 09'22.97"E
5	Address for Correspondence	
	a) Address of the Managing Director (with Pin code / Telephone / Telex / Fax / Numbers)	Mr. Sachin Vaidya (Director) Vulcan House, 1 st Floor, Shakuntal Building, 46/10 Law College Road, Pune- 411004 Email Id: sachin.vaidya@adlersmail.com Mob. No. 9822297976/8668473255
6	Salient Features	
	a) of the Project	The project is located at Sy. No. 284 (B), Subhash Nagar, Village Gaurgaon, Taluka Kallamb, District Osmanabad (Maharashtra).
	b) of the Environmental Management Plans	Environment Management Plan Includes – Green Belt Development (Plantation with mostly indigenous plant species), Effluent is being utilized for ash quenching. Ash is rich in potash hence, it is used as a manure in farm Ash is sent to brick manufacturer/ to farmers as it is rich in potash. For air pollution control 35 m stack with ESP
7	Breakup of the Project Area	
	Submergence area: Forest & Non Forest	N.A.
	Others	Plot Area- 19 Ha.
8	Break up the Project affected population with the enumeration of those losing Houses/Dwelling units only, Agricultural Land & Landless Laborers /Artisans:	Project land is owned by project proponent. So no population is affected.
	a) SC,ST / Adivasi	N.A.
	b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)	N.A.

9 (a)	Financial Details: Project cost as originally planned and subsequent revised estimates and the year of price reference.	Total Project Cost. Rs. 16.35 Cr.
(b)	Allocation made for environmental management plans with item wise and year wise breakup	Capital cost: 2.3 Cr. O & M cost/ Year- 30 Lakhs
d)	Whether (c) includes the cost of environmental management as shown in the above	Yes
e)	Actual expenditure incurred on the project so far.	134.81 Cr.
f)	Actual expenditure incurred on the environmental management plans so far	2, 20, 60, 000/-
10	Forest Land Requirement:-	
a)	The Status of approval for diversion of forest land for non-forestry use.	N.A.
b)	The status of clearing felling	N.A.
c)	The Status of compensatory afforestation, if any comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	N.A.
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads) if any with quantitative information required.	N.A.
12	Status of construction (Actual & / or Planned)	The project is constructed in accordance to EC
a)	Date of commencement (Actual & / or Planned)	12.12.2008
b)	Date of completion (Actual & / or Planned)	15.07.2009
13	Reasons for the delay if the project is yet to start	NIL
14.	Dates of the site visits- The dates on which the project was monitored by the Regional Office on previous occasions, if any	NIL
a)	Details of correspondence with project authorities for obtaining action plan/information on status of compliance to safeguards other than the routine letters for logistics support for site visit. (The monitoring report may obtain the details of all letters issued so far but the later reports may cover only the letters issued subsequently.	No show cause or closure notices received from MPCB or CPCB. We are regularly monitoring both air & water data as per CPCB guidelines & parameters are within limit.

Post EC Compliance Project information as per EC Letter No. - EC23B022MH148280 dated 25/09/2023

Sr. No.	Specific Conditions: SEAC Conditions	Compliance
1.	PP to deposit Bank Guarantee of Rs. 1.00 Cr with Maharashtra pollution control board towards Remediation Plan Natural and Community Resources Augmentation Plan.	Bank guarantee has been submitted to SPCB. Copy of the same is attached as submitted.
2.	PP to implement remediation plan and Natural and Community augmentation plan within two years from the date of grant of Environmental Clearance. The overall implementation of the plan should be overseen by an expert agency from IIT/COEP	Agreed.
3.	PP to ensure to utilize CER fund (Rs.16.40 lakhs.) before the commissioning of the manufacturing activity in consultation with the District Collector	As per EC compliance condition, Proponent had to get collector permission letter for CER fund utilization. We have received permission form Collector office Dharashiv vide letter no. Out No.ZPD/GAD 2 /VP/P3 /W.No.2094/2024 dated 09.08.2024.
4.	PP to submit copy of water supply from the MIDC	Complied. PP has submit water noc.
5.	PP to obtain all necessary NOCs from the Competent Authority before taking any effective steps on site.	PP has received consent to establish & consent to operate. Copy is attached as Annexure.
6.	PP to ensure augmentation of the existing ETP and CPU by modifying and introducing new treatment units etc. to ensure discharge within the permissible limits of the consent.	Noted and complied.
7.	PP to ensure that, no waste water shall go outside the premises in any form as identified in the Public Hearing. All treated waste water shall be reused/recycles within the premises	Noted and complied.
8.	PP to prepare and implement a plan and conduct a study to assess impact of their activities on soil and ground water with the help of reputed Government organisations, agricultural universities etc. PP shall carry out all necessary remediation action as per recommendations of the study.	Noted.
9.	PP to submit their plan to comply with the observations made in the certified compliance of existing Consent to Operate	Noted.
10.	PP to complete development of mandatory green belt immediately with the provision of drip irrigation and submit photographs	Industry has developed 33% green belt area with the provision of drip irrigation.
11.	PP proposes to sale carbon di oxide gas by providing bottling plant for collection and storage of carbon dioxide gas. PP to ensure that no carbon dioxide gas is emitted to the atmosphere. PP to carry out demand supply calculations of CO2 gas for beverage industry and explore alternate use of CO2 gas capture and use.	Noted.

Post EC Compliance Project information as per EC Letter No. - EC23B022MH148280 dated 25/09/2023

12.	PP to carry out physiochemical analysis report of the compost proposed to be used as manure and obtain approval from the competent Authority so as to ensure its safe use on agricultural land	Not applicable
13.	PP to provide Zero Liquid Discharge Effluent Treatment PP to explore possibility to assess techno-economic feasibility of using technology for MEE such as low temperature/mechanical vapour compressor etc. so as to reduce operation cost and use of natural resources. ZLD scheme to be technically vetted by IIT/NIT experts and submitted	Noted & complied.
14.	PP to ensure enclosed storage with impervious flooring of all raw materials and chemicals, no open storage be practiced so as to avoid odour nuisance and its impact on the soil in case of spillage	All the raw materials and chemicals are stored in closed Godowns in the storage room.
15.	PP to submit copies of MoU executed with the brick manufacturer for disposal of boiler ash along with their quantities	Noted.
16.	PP to provide asphaltting on all internal roads so as to reduce particulate matter pollution during playing of vehicles within the premises	Noted.
17.	PP to submit detailed report on technical adequacy of all pollution control equipment including air, water, noise etc. as PP is not proposing any modification / augmentation for proposed expansion	Noted and complied. Existing monitoring and suffice the purpose.
18.	PP to ensure to reduce spent wash generation within 6-8 KL/KL of alcohol produced	Noted and complied.
19.	PP to ensure to restrict fresh water consumption within 10 KL/KL of alcohol production	Noted and complied.
20.	PP to prepare and submit detailed technical plan with application of proper technology to control odour nuisance	Detailed technical plan submitted in EIA to control odour nuisance.
21.	PP to complete rain water harvesting facility before the commissioning of the manufacturing activity	The rainwater harvesting facility is in progress.
SEIAA Conditions		
1.	PP to submit Bank Guarantee of Rs. 1.00 Cr towards effective implementation of remediation plan and Natural and Community Resource augmentation Plan. PP to implement remediation plan and Natural and Community Resource augmentation Plan within 6 months from grant of this Environment Clearance. PP also to submit penalty of Rs 16.4 Lakh	Bank Guarantee of Rs. 1.00 Cr submitted towards effective implementation of remediation plan and natural and community resource augmentation plan with a penalty of Rs. 16.4 Lakh.
2.	Maharashtra Pollution Control Board to ensure that, action has been initiated against the PP under the Section 15 (read with Section 19) of Environment (Protection) Act, 1986 for violation provisions of EIA notification, 2006	Noted.
3.	PP submitted that they have obtained plan approval from Town Planner Osmanabad. dated 25.02.2014.	The open space shown on layout reserved for greenbelt only.

Post EC Compliance Project information as per EC Letter No. - EC23B022MH148280 dated 25/09/2023

	PP further submitted undertaking dated 10.05.2023 stating Plot areas 181400 m ² and Green belt of 76000 m ² (41.89%) is provided	
4.	PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan,, Peeple, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25 th June, 2019. The saidplantation to be completed in the first year of operation of Environmental Clearanceunder expert guidance of Miyawaki experts / arborist	The plantation of Native indigenous tree is done.
5.	PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time	Complied, the entire solid waste is converted as composting and used as manure
6.	PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time	The only Hazardous waste generated is spent oil will shall be sent to authorised recycler
7.	PP to identify all sources of fugitive air pollution on site and provide pollution controlmeasures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time	Noted.
8.	PP to, ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of anychemical to the atmosphere and leakage to the soil	All the chemicals are stored in closed Go-downs in the storage room
9.	PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as:per conditions stipulated in license/approval of the Petroleum & Explosive SafetyOrganization (PESO).	PESO guidelines are strictly implemented for storage and transportation of Ethanol. PESO certificate is attached as annexure.
10.	PP to obtain approval and License from the Directorate of Industrial Health & Safety(DIHS) for proposed project and implement all condition stipulated therein. PP to carryout Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensurecompliance of recommendation of the Audit	Noted & complied.
11.	PP to provide solar energy for illumination of Administrative Building, Street Lightsand parking Area	Industry made provision of Solar energy for Administrative Building, street lights and parking area.
12.	PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste, notless than 50 % of the total fuel requirement to the boiler	Noted

Post EC Compliance Project information as per EC Letter No. - EC23B022MH148280 dated 25/09/2023

13.	PP to provide roof top Rain Water Harvesting facility	Industry shall provide 2 nos of recharge pits of size 1.5m x 1.5m x 2.0m.
14.	PP to ensure that proposed project is ZLD	CPU is installed to ensured ZLD.
General Conditions		
1.	The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in	Advertisement has been published in newspaper and same attached as ANNEXURE
2.	The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Control Board, SEIAA and the Regional Office of MoEF&CC at Nagpur, on 15 th June & 1 st December of each calendar year	Noted
3.	Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditures should be reported to the MPCB and the SEIAA	Agreed & noted
4.	A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards	Noted & complied
5.	In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control- equipment's is regained	Noted
6.	PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board	Noted
7.	PP to provide separate drains for storm water and effluent, and ensure that, the stormwater drains are dry all the time and in no case the effluent shall mix with the stormwater drain	Based on the rainfall intensity of the proposed area, storm water drainage system will be designed at the construction stage of the project. Storm water drainage system will

Post EC Compliance Project information as per EC Letter No. - EC23B022MH148280 dated 25/09/2023

		consist of well-designed network of open surface drains with rainwater harvesting pond. A separate drainage system will be provided in which plant effluent will not be mixed.
8.	Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board	Noted & complied.
9.	The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as- amended from time to time by providing adequate noise control measures and protective equipment's like earmuff and ear plug etc.	Industry shall take all precautionary measures to keep the overall noise levels in and around the factory premises shall be kept within the prescribed standards under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
10.	Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.	Not Applicable.
11.	PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time	Agreed & the same will be complied
12.	The Environmental Statement for each financial year ending on 31 st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company alongwith the status of the compliance of the conditions stipulated in the Environmental Clearance letter	Agreed & the same will be complied.

Government of Maharashtra

EC (MR)-2009/290/CR.57/TC.1
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai 400 032
Dated: 17th February, 2010.

To,
M/s. Adlers Bio-Energy Ltd.
Gaurgaon, gat no. 284 Tal: Kalamb,
District: Osmanabad.

**Subject: 25 KLPD Grain Based Distillery Unit at Gaurgaon, gat no. 284, Tal: Kalamb,
District: Osmanabad - Environmental clearance regarding.**

Sir,

This has reference to your communication no. Adlers/EC/004205/2008-09 dated 7th February, 2010 on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee in its 14th meeting and recommended for prior Environment Clearance to State Level Environment Impact Assessment Authority (SEIAA) subject to submission of additional information on the points raised by SEAC. Subsequent information submitted by you, has also been considered by State Level Environment Impact Assessment Authority in its 19th meeting held on 27th January, 2010.

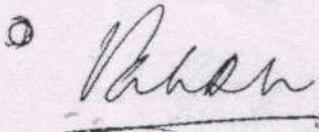
2. It is noted that the proposal is for grant of environmental clearance for 25 KLPD Grain Based Distillery Unit at Gaurgaon, gat no. 284, Tal: Kalamb, District: Osmanabad The project considered by SEAC under Category ' B2 ' of EIA Notification 2006, and screening category is 1(d).

Project information from documents submitted by you & considered by SEAC & SEIAA is summarized as below:

Project: The system to be adopted by the proposed grain based distillery is based on Batch Fermentation Technology. The process involves:

- Milling
- Mashing, cooking & liquefaction
- Fermentation
- Distillation
- Solid separation
- Evaporation

Name of the Project : 25 KLPD Grain Based Distiller Unit
Type of Project : Distillery



Project Proponent : M/s. Adlers Bio-Energy Ltd
Location of the project : Gaurgaon, gat no. 284 Tal: Kalamb, District: Osmanabad
Latitude: 18° 3' to 18° 17' N
Longitude 76° 10' to 76° 17' E

Land : 47 acres
Estimated cost of the project : Rs. 22 Crores

Production capacity:

- Alcohol : 25,000 liters/ day

Raw material requirement:

- Cereal Grain flour having @ 62 % starch content & 66 -68 MTPD wt starch to produce 25,000 LPD of ENA @ 96 % v/v
- Yield 96.0 vol. %, liter/MT from 62 % starch 415 liters @ 96 % v/v
- Impure spirit cut: not to exceed 6 % of the ENA production.
- Efficiencies : Liquefaction: 97-98 %; Fermentation,: 90 % Distillation: 98.5%

Water Requirement:

Total Water requirement: 545 m³/ day;
From MIDC: 250 M3/day

Wastewater generated: Plant operation: 103 m³/ day. Entire effluent would be treated in Effluent Treatment Plant.

Solid Waste Management:

- Suspended solids: 2.0 – 2.5 MT/day
- Boiler ash : 560 – 650 Kg/day

Disposal: sludge can be used as manure.

Fly ash can be used as land filling & manufacturing of bricks.

Air pollution control measures:

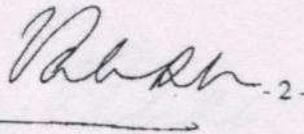
- Water sprinkling on road
- Conveyor belts would be covered with enclosures
- Water spraying system for storage
- Use of low sulphur content coal
- 35 m tall stack with continuous emission monitoring system.
- High efficiency ESP to limit SPM emission to less than 100 Mg/nm³ with one field out.

Green belt development: 30 acers land will be provided for green belt.

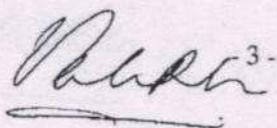
Environmental Management Plan: Capital cost will be Rs. 2, 20, 60,000/-

3. The proposal has been considered by SEIAA in its 19th meeting dated on 27th January, 2010 & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-

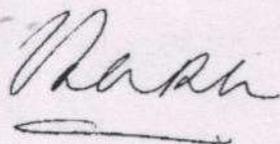
- (i) Project proponent agreed that coal will not be used.
- (ii) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.


- 2 -

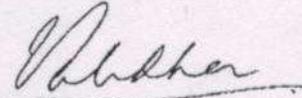
- (iii) No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
- (iv) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (v) No fuel other than mentioned above including coal shall be used without obtaining proper permission.
- (vi) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (vii) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (viii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (ix) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (x) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (xi) The overall noise levels in and around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xii) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xiii) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- (xiv) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xv) Project Proponent shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xvi) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xvii) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xviii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xix) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xx) Separate silos will be provided for collecting and storing bottom ash and fly ash.

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- (xxi) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
- (xxii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://envis.maharashtra.gov.in>
- (xxiii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (xxiv) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xxv) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the factory in the public domain.
- (xxvi) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xxvii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- (xxviii) The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.
4. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
5. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations by the power plant.



6. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
7. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.



(Valsa R Nair Singh)
Secretary, Environment
department & MS, SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.), Chairman, SEIAA, 502, Charleville, 'A' Road, Churchgate, Mumbai- 400 020, Maharashtra.
2. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.
3. The Secretary, Energy department, Govt. of Maharashtra, Mantralaya, Mumbai - 400032., Maharashtra
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Aurangabad
7. Collector, Osamnabad,
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Director(TC-1), Dy. Secretary(TC-2), Scientist-1, Environment department
10. Select file (TC-3).

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax:
24044532/4024068/4023516
Website: <http://mpcb.gov.in>
Email: jdwater@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:- Format 1.0/CC/UAN No.MPCB- 2107000796
CONSENT-0000113667/CE

Date: 14/07/21

To,
M/s.ADLERS BIO ENERGY LTD,
SURVEY NO. 284/B, AT POST GAURGAON,
OFF LATUR BARSHI HIGHWAY,
TAL. KALAMB, DIST. OSMANABAD.



Sub: Consent to establish for Grain Based Distillery.

- Ref:**
1. Earlier consent having no-BO/CAC-Cell/UAN No0000059473/R/CAC-1905001180, dtd-17.05.2019.
 2. Minutes of Consent Committee Meeting held on 27.05.2021 & 28.05.2021.

Your application No.MPCB-CONSENT-0000113667 Dated 05.05.2021

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:

1. The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.
2. The capital investment of the project is Rs.3.8397 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	Rectified Spirit (RS) to Ethanol	750	KL/M

(Grain based Distillery Capacity shall not exceed 25 KLPD)

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	0	As per Schedule-I	Not Applicable
2.	Domestic effluent	0	As per Schedule-I	Not Applicable

Maharashtra Pollution Control Board
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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	0	0	1	As per Schedule -II

(As per previous consent of existing unit)

6. Non-Hazardous Wastes:

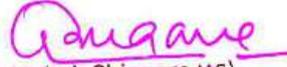
Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	NA	0	--NA--	0	00

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
	NA				

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. There shall not be any change in existing water consumption and effluent generation.
11. Industry shall submit Bank Guarantee of Rs.5.0 Lakhs towards compliance of consent conditions.
12. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity. (Establish)

For and on behalf of the
Maharashtra Pollution Control Board.


(Ashok Shingare IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	15000.00	TXN2105000398	06/05/2021	Online Payment

Copy to:

1. Regional Officer, MPCB, Aurangabad and Sub-Regional Officer, MPCB, Latur
 - They are directed to ensure the compliance of the consent conditions.
 - They are directed to obtained the B.G. of Rs.5.0 towards compliance of 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] ETP provided in existing distillery unit
B] Industry shall provide CPU for recycle/reuse of treated effluent.
C] i. The applicant shall operate ETP to treat the effluent so as to achieve the following standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No.	Parameter	Standards prescribed by the Board
		Limiting concentration in mg/l except pH
1.	pH	6.5-8.5
2.	Colour and Odour	Absent
3.	Oil and Grease	10
4.	BOD 27°C 3 days	100 (disposal for on-land irrigation)
5.	Sulphate	1000
6.	SS	100
7.	COD	250
8.	Chloride	600
9.	Total dissolved solids	2100

- ii. In no any case industrial effluent shall find its way outside the factory premises directly/indirectly.
iii. Industry shall take an approval to adopt any alternative technology equivalent to concentration and incineration such as spray dryer with boiler, rotary dryer with aux fuel & boiler gasification, etc. for achieving ZLD.

D] Industry shall operate Online Continuous Emission Monitoring System (OCEMS) and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's server directly through the data logger without any intermediate server.

2. Conditions for Sewage/ Domestic effluent:

- i. You have provided septic tank and soak pit (for sewage below 20 CMD).
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. The sewage shall be treated by using septic tank and soak pit and overflow if any shall be used on-land for gardening/irrigation.



- 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.
- The operation of distillery should be restricted to 270 days in a year and that it will not operate during rainy season.
- 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	0.00
2.	Domestic purpose	0.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

- 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:

- 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
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- 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.
- 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.
- 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).
- 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
--------------------	---------------	------------------------

- 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 install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 and connected to MPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
8. 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.
9. 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).

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	5.0 Lakhs	Within 15 Days	Towards compliance of Consent condition	Upto Commissioning of the project	COU or Five Years

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 industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
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 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.



Maharashtra Pollution Control Board

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11. 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.
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. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
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. Industry 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).
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. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
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 industry should comply with the Hazardous and Other Wastes (M & TM) 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 April to March in Form-IV by 30th June of every year.
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. 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.
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.

For and on behalf of the
Maharashtra Pollution Control Board.


(Ashok Shingare IAS),
Member Secretary



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Maharashtra)

To,

The Director
ADLERS BIOENERGY LIMITED
Village Gaurgaon, Taluka Kallamb, Osmanabad -413507

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 SEIAA vide proposal number SIA/MH/IND2/75304/2010 dated 15 Apr 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC23B022MH148280 |
| 2. File No. | SIA/MH/IND2/75304/2010 |
| 3. Project Type | Expansion |
| 4. Category | B1 |
| 5. Project/Activity including Schedule No. | 5(g) Distilleries |
| 6. Name of Project | Expansion of Grain Based Distillery from 25 KLPD to 60 KLPD at Sy. No. 284 (B), Village Gaurgaon, Taluka Kallamb, District Osmanabad (Maharashtra) by M/s. Adlers Bioenergy Ltd. |
| 7. Name of Company/Organization | ADLERS BIOENERGY LIMITED |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | 27 Jan 2010 |

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

Date: 25/09/2023

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (Maharashtra)

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.

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND/75304/2010
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s Adlers Bioenergy Ltd.,
Survey No. 284 (B), Village Gaurgaon,
Tehsil Kallamb, District Osmanabad.

Subject : Environmental Clearance (Violation) for proposed expansion of Grain based distillery from 25 KLPD to 60 KLPD at survey No. 284 (B), Village Gaurgaon, Tehsil Kallamb, District Osmanabad by M/s Adlers Bioenergy Ltd.

Reference : Application no.

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-1 in its meeting under screening category 5(g) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 260th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 03.05.2023.

2. Brief Information of the project submitted by you is as below:-

Sr. No.	Particulars Required	Details																																	
1	Name of the project & Address along with all corner latitude and longitude	Expansion of Grain Based Distillery from 25 KLPD to 60 KLPD at Sy. No. 284 (B), Village Gaurgaon, Taluka Kallamb, District Osmanabad (Maharashtra) by M/s. Adlers Bioenergy Ltd. <table border="1"><thead><tr><th>Location</th><th>Latitude</th><th>Longitude</th></tr></thead><tbody><tr><td>Centre</td><td>18°26'30.54"N</td><td>76°9'13.69"E</td></tr><tr><td>A</td><td>18°26'31.14"N</td><td>76°9'23.23"E</td></tr><tr><td>B</td><td>18°26'33.54"N</td><td>76°9'15.51"E</td></tr><tr><td>C</td><td>18°26'33.80"N</td><td>76°9'8.11"E</td></tr><tr><td>D</td><td>18°26'33.43"N</td><td>76°9'5.45"E</td></tr><tr><td>E</td><td>18°26'29.05"N</td><td>76°9'4.81"E</td></tr><tr><td>F</td><td>18°26'26.87"N</td><td>76°9'17.34"E</td></tr><tr><td>G</td><td>18°26'26.93"N</td><td>76°9'19.47"E</td></tr><tr><td>H</td><td>18°26'27.85"N</td><td>76°9'19.85"E</td></tr><tr><td>I</td><td>18°26'27.31"N</td><td>76°9'21.51"E</td></tr></tbody></table>	Location	Latitude	Longitude	Centre	18°26'30.54"N	76°9'13.69"E	A	18°26'31.14"N	76°9'23.23"E	B	18°26'33.54"N	76°9'15.51"E	C	18°26'33.80"N	76°9'8.11"E	D	18°26'33.43"N	76°9'5.45"E	E	18°26'29.05"N	76°9'4.81"E	F	18°26'26.87"N	76°9'17.34"E	G	18°26'26.93"N	76°9'19.47"E	H	18°26'27.85"N	76°9'19.85"E	I	18°26'27.31"N	76°9'21.51"E
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2	Type of Organization (Private/ Government/ Semi Government etc.)	Private																																	
3	Correspondence Address and contact details of	Mr. S D Bapat Director																																	

	Project Proponent	bapatsd@gmail.com Sy. No. 284 (B), Village Gaurgaon, Taluka Kallamb, District Osmanabad (Maharashtra)
4	Type of project (ToR/EC/Amendment in ToR/Amendment in EC/ Revalidation/ Expansion /Process change etc.)	Expansion under violation category
5	Category of project as per EIA Notification 2006 amended from time to time (Pl. mention category A,B,B1,B2 etc. whichever is applicable)	Category B1 (Violation)
6	If earlier ToR is obtained pl. mention details (ToR letter No. & Date, SEAC/EAC Meeting No.)	ToR letter was issued by MoEFCC, New Delhi vide Letter No. J-11011/422/2011- IA II (I) dated 21 st February, 2012.
7	If earlier EC is obtained pl. mention EC Number &Date	Environmental Clearance for existing 25 KLPD is obtained from SEIAA, Maharashtra vide Letter No. EC(MR)-2009/290/CR.57/TC.1 dated 17 th February, 2010.
8	Whether the proposal is a violation case (yes/no)	Yes
9	Applicability of CRZ clearance (yes /no)	No
11	Whether Scrutiny fees paid as per SEIAA guidelines (Yes/No); If yes pl give payment details	No
12	Name of accredited Environmental Consultant & address along with Accreditation No. & Validity	MITCON Consultancy and Engineering Services Ltd. Behind Dic Office, Agriculture College Campus, Shivajinagar, Pune – 411 005, Maharashtra (India) NABET Accreditation No. NABET/EIA/2124/RA 0229 Rev 02 valid till Feb 05, 2024
13	Name of layout plan approving Authority	Town Planning, Osmanabad
14	Estimated cost of Project (in Rs. Lakhs)	16.35 CR.
15	Area of project (in Sq.m.)	Total plot area available with the factory 19 Ha. (46.95 Acres)
16	Whether 33% green belt is provided (Yes/No)	Yes
17	Area of Green Belt & No. of trees in the proposed project in Sq.m. (Pl. provide 2000 trees per hectare of green belt area)	Total green belt area is 76000.00 sq.m No. of Trees already planted: 8300 Nos. No. of trees to be planted: 6800 Nos.

18	Width of internal roads and turning radius	Min. 12m clear driveway and 14 m turning radius					
19	Details of proposed construction	16840.76 sq.m.					
20	List of Raw materials & Storage Details (Pl. add on in the list if necessary)						
	#	Raw material	Cons. MT/M	Max Storage details	Ha z. Ca t	Proposed precaution to prevent accident	Rema rk
	1.	Grains containing 60% w/w Starch	5100	MS 3500 x 2 = 7000 MT	-	<ul style="list-style-type: none"> • Provision of dyke wall • Firefighting system as per OISD-117 norms. • Fire hydrant system with fire water runoff collection • Storage area will be well ventilated with adequate spacing between units • Restrict entry of unauthorized person • Keeping containers ventilated • Regular monitoring and maintenance • Spare capacity tank to transfer the spill material. 	-
	2.	Chemicals: a) Sodium Hydroxide (Caustic) A. For Main Process Plant (47% Strength) B. For CIP (Fermentation & Evaporation Section, @100% Strength)	2040 180	3000 200 3000	-		-
	3.	b) Sulphuric Acid	2160	-	-		-
	4.	Liquefying Enzyme	2772	3000	-		-
	5.	Scarifying Enzyme	2218	2300	-		-
	6.	NH ₂ -CO-NH ₂ (Urea; 46 % N ₂)	4050	4200			
	7.	Antifoam Agent	750	1000			
	8.	Fuel Requirement: Coal (Low Sulphur, Low ash)	3000	6000			

Production Details									
Sr. No.	Name of product	Existing capacity MT/M	Proposed capacity MT/M	Total capacity MT/M	Name of Product Approving authority				
21	1	RS / ENA / Ethanol / Pharma grade Spirit	25 KLPD	35 KLPD	60 KLPD	Ministry of commerce & Industry			
	2	Indian made Foreign Liquor (IMFL) (only blending and bottling)	18000 LPD	27000 LPD	45000 LPD				
	3	Country Liquor (only blending and bottling)	18000 LPD	27000 LPD	45000 LPD				
22	Water Consumption & Effluent generation (All units in CMD)								
<p>i) Source & Qty. of water requirement (in CMD): Source: MIDC, Latur Total water requirement will be 561 CMD Fresh water required for Distillery with in house Captive plant: 511 CMD Fresh water required for blending and bottling and Domestic: 50 CMD</p> <p>ii) Water supply permission obtained (Yes/No) & approving Authority: Yes MIDC Letter No. 1500/2011 dtd. 01.03.2011 Irrigation Department Letter dtd. 23.03.2018</p>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent generation (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	152	212	364	0	0	0	152	212	364
Industrial cooling	17	24	41	0	0	0	17	24	41
Boiler	27	38	65	17.5	24.5	42	9.5	13.5	23
Domestic Purpose	0	0	-	-	-	-	0	0	-
Green Belt	0	0	-	-	-	-	0	0	-
Other (blending, bottling, washing & Domestic)	38	53	91	12.5	12.5	30	25	36	61
Total	233.75	327.25	561	30	37	72	203.5	285.5	489

23	Quantity of sewage generation (in CMD)	1 m ³ /d		
24	Details of Sewage Treatment and Disposal of treated sewage:	Septic tank with soak pits		
25	Detail of Effluent Generation (unit CMD)			
	Particulars	Existing	Proposed	Total
	Qty. of effluent generation	-	-	-
	Qty. of high TDS/COD Effluent CMD	-	-	-
	Qty. Low TDS/COD effluent CMD	255	356	611
26	Whether Zero liquid Discharge Effluent Treatment is proposed (Yes/No)	Yes		
27	Brief Description of Effluent Treatment scheme	Spent wash/thin stillage will be treated through Decanter followed by evaporation along with dryer to produce DDGS. Condensate, spent lees and blow down will be treated through CPU unit. CPU unit comprises anaerobic followed by aerobic with tertiary treatment.		
28	Qty. of treated effluent proposed to be sent to CETP (pl. mention Name of CETP and its membership Details)	NA ZLD Proposed		
29	Please mention parameters of treated effluent to be achieved as per EP Rule,1986 and or stipulated by the SPCB			
	Parameter	Inlet concentration (mg/l)	Outlet concentration (mg/l)	MPCB norms
	pH	3.5-5.5	6.5 to 7.8	5.5-9
	TSS	100	< 80	<200
	TDS	3500-4500	<2000	<2100
	COD	5000-6000	200	<250
	BOD	2000-3500	80	30
	Heavy metals	-	-	-
	Benzene	-	-	-
Other if any	-	-	-	
30	Brief Note on proposed Rainwater harvesting scheme along with budget	RWH structures will be provided to harvest the rain water from roof top and plant area. Two recharge pits of size 1.5 m x 1.5 m x 2.0 m shall be provided.		

	allocation	Budgetary allocation: 50 Lakhs											
31	Solid Waste management												
	Type of waste	Qty. (MT/M)	Source of Generation	Disposal methods	Pl. mention plan to reduce solid waste generation if any								
	DWGS	5100	Process	Sent to dryer									
	DDGS	1740	Process	Sold as cattle feed									
	Boiler Ash	450	Boiler	Brick Manufacturers									
	CPU Sludge	45	CPU	Composting and used as manure									
	Paper, Glass, Plastic & Aluminium Scrap	12.5	Packaging	Sent to authorized vendors									
32	Hazardous Waste Generation & Disposal (As per HW Rule 2016)												
	Sr. No.	Category	Particulars	Source of Generation	Existing quantity of generation (MT/M)	Proposed qty. & generation MT/M	Total qty. & generation (MT/M)	Method & disposal as per HW Rules, 2016					
	1	5.1	Used/ Spent Oil	DG sets			125	Sent to authorized vendors					
33	Fuel Consumption												
	Sr. No.	Type of Fuel	Consumption Qty. (TPD)			Used for	Ash%			SO2%			Air pollution control
			Exi.	Prop.	Total		Exi.	Prop.	Total	Exi.	Prop.	Total	
	1	Coal	-	-	100	Boiler	-	-					ESP
	2	HSD	-	-	0.2	DG Set							Stack
34	Brief Note on Air Pollution Control equipment's			Proposed stack height (45 m) is as per SPCB/CPCB norms with ESP.									
35	Stack Details (Also include process vent details)												
	Sr. No.	Section/Unit	Source pollutions	Stack No.	Stack height	Height from ground	Internal Diameter (inch)	Temperature of exhaust gas					
	1	Boiler	TPM, SOx	1	45 m	45 m	62.8	180 0C					
36	Energy			a) Source of power Supply: MSEDCL and captive power plant b) Maximum Demand (KVA): Captive Power plant: 1.5 MW MSEDCL: 500 KVA (Stand by) Company also proposes to use 10% of total power requirement from renewable energy sources.									

		c) whether DG sets will be provided (Yes/No): Yes																																													
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		d) Please Mention if high tension line is passing through the plot: No																																													
37	Details of use of renewable energy with budget allocation	<p>i) Total Energy Demand: Captive Power plant: 1.5 MW MSEDCL: 500 kVA (Stand by)</p> <p>ii) Proposed renewable energy source capacity: Company also proposes to use 10% of total power requirement from renewable energy sources.</p> <p>iii) Proposed Budget (in Rs. Lakhs): 20 Lakhs</p> <p>iv) Timeline for implementation: 2 Years</p>																																													
38	Details of public hearing (if applicable)	<p>i) Place of public hearing: As per ToR File No. J-11011 / 422 /2011-IA.II (I) dated 4th May 2021 public hearing was Exempted for expansion project.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Issue raised during public hearing</th> <th>Applicant plan for its compliance / implementation</th> <th>Budget allocation for implementation</th> <th>Specific timeline of compliance</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Sr. No.	Issue raised during public hearing	Applicant plan for its compliance / implementation	Budget allocation for implementation	Specific timeline of compliance	-	-	-	-	-																																			
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			Health safety			
Operation Phase:						
Sr. No.	Attributes	Specific measures	Budget in Rs. lakh	Timeline for 1/5 implement	Responsibility	Remarks
1	Air	Electrostatic Precipitator	80	1 year	EMC	-
2	Water	CPU	110	1 year	EMC	-
3	Noise	Noise monitoring and PPE's	0.5	1 year	EMC	-
4	Soil	Soil monitoring	0.5	1 year	EMC	-
5	Solid waste	Solid waste management	0.2	1 year	EMC	-
6	Hazardous waste	Hazardous waste management	0.2	1 year	EMC	-
7	Fuel & Energy	HSD for back up DG sets	0.5	1 year	EMC	-
8	Safety & health	Occupation Health & Safety	30	1 year	EMC	-
9	Rain water harvesting	Ground water recharge through bore well	15	1 year	EMC	-
10	Implementation of recommendation of LCA	-	-	-	-	-

		11	Implementation recommendation HA20P/Risk Assessment	-	-	-	-	--
		12	Any other please specify	-	-	-	-	-
40	Other Relevant Information	-						
41	Details of skill development program within Organization	Training to workers, Fire & Safety drills						
42	Details of environmental Monitoring Cell (Pl. provide organogram with educated Qualification and experience)	Managing Director						One
		Director						One
		General Manager						One
		Distillery Manager						One
		Environment Officer						One
		Lab Chemist						One
<pre> graph TD MD[Managing Director] --- D[Director] MD --- GM[General manager] D --- DM[Distillery Manager] GM --- DM DM --- LC[Lab Chemist] DM --- EO[Environment Officer] </pre>								
43	Details of court cases if pending in any Hon'ble court	Case No. 587/2016 filed by MPCB						

3. Proposal is a violation proposal and PP has applied under MoEF&CC Office Memorandum dated 07.07.2021. Proposal has been considered by SEIAA in its 260th (Day-2) meeting held on 03.05.2023 and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to submission of Bank Guarantee of Rs. 87.4 Lakhs and penalty of Rs 16.4 Lakh. Now, PP submitted Bank Guarantee of Rs. 87.4 Lakhs and penalty of Rs 16.4 Lakh to Maharashtra Pollution Control Board. SEIAA decided to grant Environment Clearance to the proposal subject to the implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP to deposit Bank Guarantee of Rs. 1.26 Cr with Maharashtra pollution control board towards Remediation Plan Natural and Community Resources Augmentation Plan.
2. PP to implement remediation plan and Natural and Community augmentation plan within two year from the date of grant of Environmental Clearance. The overall implementation of the plan should be overseen by an expert agency from IIT/COEP
3. PP to ensure to utilize CER fund (Rs.16.40 lakhs.) before the commissioning of the manufacturing activity in consultation with the District Collector.
4. PP to submit copy of water supply from the MIDC.
5. PP to obtain all necessary NOCs from the Competent Authority before taking any effective steps on site.
6. PP to ensure augmentation of the existing ETP and CPU by modifying and introducing new treatment units etc. to ensure discharge within the permissible limits of the Consent.
7. PP to ensure that, no waste water shall go outside the premises in any form as identified in the Public Hearing. All treated waste water shall be reused/recycles within the premises.
8. PP to prepare and implement a plan and conduct a study to assess impact of their activities on soil and ground water with the help of reputed Government organisations, agricultural universities etc. PP shall carry out all necessary remediation action as per recommendations of the study.
9. PP to submit their plan to comply with the observations made in the certified compliance of existing Consent to Operate.
10. PP to complete development of mandatory green belt immediately with the provision of drip irrigation and submit photographs.
11. PP proposes to sale carbon do oxide gas by providing bottling plant for collection and storage of carbon dioxide gas. PP to ensure that no carbon dioxide gas is emitted to the atmosphere. PP to carry out demand – supply calculations of CO2 gas for beverage industry and explore alternate use of CO2 gas capture and use..
12. PP to carry out physiochemical analysis report of the compost proposed to be used as manure and obtain approval from the competent Authority so as to ensure its safe use on agricultural land
13. PP to provide Zero Liquid Discharge Effluent Treatment PP to explore possibility to assess techno-economic feasibility of using technology for MEE such as low temperature/mechanical vapour compressor etc. so as to reduce operation cost and use of natural resources. ZLD scheme to be technically vetted by IIT/NIT experts and submitted.
14. PP to ensure enclosed storage with impervious flooring of all raw materials and chemicals, no open storage be practiced so as to avoid odour nuisance and its impact on the soil in case of spillage.
15. PP to submit copies of MoU executed with the brick manufacturer for disposal of boiler ash along with their quantities.
16. PP to provide asphaltting on all internal roads so as to reduce particulate matter pollution during plying of vehicles within the premises.
17. PP to submit detailed report on technical adequacy of all pollution control equipment including air, water, noise etc.as PP is not proposing any modification / augmentation for proposed expansion.
18. PP to ensure to reduce spent wash generation within 6-8 KL/KL of alcohol produced
19. PP to ensure to restrict fresh water consumption within 10 KL/KL of alcohol production

20. PP to prepare and submit detailed technical plan with application of proper technology to control odour nuisance.
21. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.

SEIAA Conditions

1. PP to submit Bank Guarantee of Rs. 87.4 Lakhs towards effective implementation of remediation plan and Natural and Community Resource augmentation Plan. PP to implement remediation plan and Natural and Community Resource augmentation Plan within 6 months from grant of this Environment Clearance. PP also to submit penalty of Rs 16.4 Lakh.
2. Maharashtra Pollution Control Board to ensure that, action has been initiated against the PP under the Section 15 (read with Section 19) of Environment (Protection) Act, 1986 for violation provisions of EIA notification, 2006.
3. PP submitted that they have obtained plan approval from Town Planner Osmanabad dated 25.02.2014. PP further submitted undertaking dated 10.05.2023 stating Plot area is 181400 m2 and Green belt of 76000 m2 (41.89%) is provided.
4. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
5. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
6. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
7. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
8. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
9. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
10. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
11. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
12. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
13. PP to provide roof top Rain Water Harvesting facility.
14. PP to ensure that proposed project is ZLD.

General Conditions:

- I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has

been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <http://parivesh.nic.in>

- II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
- IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
- VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
- VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
- X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
- XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
- XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble

court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Pravin Darade
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Osmanabad.
7. Regional Officer, Maharashtra Pollution Control Board, Aurangabad.

Signature Not Verified

Digitally signed by Shri Pravin C.
Darade , I.A.S.
Member Secretary

Date: 9/25/2023 11:59:44 AM

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-0000174239/CE/2308000938

Date: 11/08/2023

To,
M/s.Adlers Bioenergy Ltd at Su.No. 284 (B), Village-
Gurgaon, Taluka-Kallamb, District Osmanabad.



Sub: Consent to establish for expansion from 25 KLPD distillery to 60 KLPD (Grain based Distillery)

Ref: 1. Application submitted by SRO-Latur.
2. Minutes of 12th CC meeting dtd-02.08.2023.

Your application No.MPCB-CONSENT-0000174239 Dated 21.06.2023

For: Consent to Establish (Expansion) 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.16.4 Crs. (As per undertaking submitted by pp Existing-Rs. 107.42 Crs + Expansion/Increase in C.I. - Rs. 16.40 Crs)**
- Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	RS / ENA / Ethanol / Pharma grade Spirit	35	KL/D
2	Indian made Foreign Liquor (IMFL) (only blending and bottling)	27000	Lit/Day
3	Country Liquor (only blending and bottling)	27000	Ton/D
By Products			
4	CO2 (By-product)	47	Ton/D
5	DDGS/ DWGA (By-product)	39.8	Ton/D

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	237	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	0	As per Schedule-I	Not Applicable

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-20 TPH	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	Coal ash	7.5	Ton/D	Collection	Will be sent to brick manufacturer.
2	Husk and Agri Waste Ash	4.5	Ton/D	Collection	Will be used as manure
3	CPU Sludge	0.025	Ton/D	Collection	Will be used as manure

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	0.7	Ton/Y	Collection	Sent to authorized vendor.

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 should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated- 14.09.2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated- 19/08/2010, fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s) & acquisition of land not be treated as an effective step.
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)
 13. The applicant shall obtain Environmental Clearance from competent authority for expansion of Distillery.
- . This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.



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60aeea35
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b07aeadc
d978b3ea
c980e3ea
da33a0d0

Signed by: Dr. J. B. Sangewar
Joint Director (WPC)
For and on behalf of,
Maharashtra Pollution Control Board
jdwater@mpcb.gov.in
2023-08-11 19:08:57 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	50000.00	TXN2306002977	21/06/2023	Online Payment

Copy to:

1. Regional Officer, MPCB, Aurangabad and Sub-Regional Officer, MPCB, Latur
 - They are directed to ensure the compliance of the consent conditions.
 - They are directed to obtain the B.G. of Rs.5.0 Lakhs towards the compliance of consent condition & obtaining E.C.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. Conditions for Trade effluent:

A] 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 0 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. The sewage shall be treated by using septic tank and soak pit and overflow if any shall be used on-land for gardening/irrigation.

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	62.00
2.	Domestic purpose	0.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	237.00
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
S-1	Boiler-20 TPH	wet Scubber	45	Biomass/ Coal	9375 Kg/Hr	0.20	140.00

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
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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 (expansion)	5.0 Lakhs	Submit within 15 days	Towards compliance of consent condition	Commissioning of unit or 5 Years whichever earlier	Commissioning of unit or 5 Years whichever earlier

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)
**No:- Format1.0/CC/UAN No.MPCB-
CONSENT-0000180497/CO/2403003129**

Date: 28/03/2024

To,
**M/s. ADLERS BIO ENERGY LTD, SURVEY NO. 284/B, AT
POST GAURGAON, OFF LATUR BARSHI HIGHWAY, TAL.
KALAMB, DIST. OSMANABAD**



Sub: Renewal of Consent to Operate in Red/LSI category for Grain Based Distillery 25 KLPD capacity , Blending & Bottling Plant with amalgamation of renewal of consent for RS to Ethanol Plant.

- Ref:**
1. Applications submitted by SRO Latur vide UAN No. MPCB-CONSENT-0000180497 and MPCB-CONSENT-0000176556.
 2. Previous Consent to Operate obtained for 25 KLPD Distillery unit vide no. Format1.0/ BO/ CAC-CELL/ UAN No.MPCBCONSENT-0000059473/ R/ CAC-1905001180 dated 17/05/2019 which was valid up to 31/12/2023.
 3. Previous Consent to Operate obtained for RS to Ethanol vide no. - Format1.0/CC/UAN No.MPCBCONSENT-0000125009/CO/2204000910 dated 17/04/2022 which was valid up to 31/08/2023.
 4. Minutes of 32nd Consent Committee meeting dated 14/03/2024.

Your application No.MPCB-CONSENT-0000180497 Dated 01.09.2023

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 31/12/2028**
2. **The capital investment of the project is Rs.134.8151 Crs. (As per C.A Certificate submitted by industry Existing-Rs. 107.42 Crs (25 KLPD Distillery unit)+ Rs. 3.8397 Crs (RS to Ethanol unit) + Expansion/Increase in C.I. - Rs. 23.5554 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	RS / ENA / Ethanol / Pharma grade Spirit	25	KL/D
2	Rectified Spirit (RS) to Ethanol	25	KL/D
3	Country Liquor (only blending and bottling)	18000	MT/Day

Sr No	Product	Maximum Quantity	UOM
4	Indian made Foreign Liquor (IMFL) (only blending and bottling)	18000	Lit/Day
By Products			
5	CO2	20	MT/Day
6	DDGS/ DWGA	18.2	MT/Day

(Existing Grain Based Distillery Capacity shall not exceed 25 KLPD)

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	100	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	22	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	S1	Boiler 50 TPH	1	As per Schedule -II
2	S2	DG set 750 KVA	1	As per Schedule -II
3	S3	DG Set 125 KVA	1	As per Schedule -II

(As per previous consent of existing unit)

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Coal Ash	7.5	MT/Day	by sale	Sale to Brick Manufacturer.
2	Husk and Agri Waste Ash	4.5	MT/Day	by sale	Sale to Brick Manufacturer

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

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	0.3	MT/A	Send to Authorized Vendor	Sold to Authorized Buyer

- 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. SIA/MH/IND2/75304/2010 dated 25/09/2023.
- Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
- This consent is issued as per Minutes of 32nd Consent Committee meeting dated 14/03/2024.

13. This consent is issued for renewal of Grain Based Distillery 25 KLPD capacity , Blending & Bottling Plant with amalgamation of renewal of consent for RS to Ethanol Plant.
14. This consent is issued after receipt of additional consent fees of Rs. 12,83,150/- as the Capital Investment- Rs. 134.8151 Crores. (As per previous consents CI is Rs. 111.2597 Crores i.e. now applied for renewal with increase in CI by Rs. 23.5554 Crores). Industry has paid Rs. 15000/- along with this application and paid Rs. 75,000/- with another application bearing UAN No. MPCB-CONSENT-0000176556. The applicable renewal fees is Rs. 2,69,630/- (for 01 term). There is increase in CI by Rs. 23.5554 Cr. and industry has obtained Consent to Establish dated 11/08/2023 for EXPANSION of Rs. 16.4 Cr for EXPANSION from 25 KLPD to 60 KLPD (Distillery) unit. Thus, by considering this total applicable fee is Rs. 2,69,630 - Rs. 15000 - Rs. 75000 + Rs. 25000 = Rs. 2,04,630/- (For 01 term). For next 04 terms period consent fees is = Rs. 2,69,630 x 4 = Rs. 10,78,520/- and Rs. 2,04,630/- for existing 01 term, thus industry required to pay consent fees of Rs. 12,83,150/- for total 05 terms period. Payment received.
15. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)



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Signed by: **Dr. Avinash Dhakne**
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2024-03-28 21:38:37 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	75000.00	TXN2307002793	20/07/2023	Online Payment
2	15000.00	TXN2309001913	12/09/2023	Online Payment
3	1283150.00	TXN2401005930	30/01/2024	Online Payment

Copy to:

1. Regional Officer, MPCB, Aurangabad and Sub-Regional Officer, MPCB, Latur
 - They are directed to ensure the compliance of the consent conditions.
 - They are directed to obtain the Bank Guarantees as per Schedule III from industry.
2. Chief Accounts Officer, MPCB, Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. Conditions for Trade effluent:

A] 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 22 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. The sewage shall be treated by using septic tank and soak pit and overflow if any shall be used on-land for gardening/irrigation.

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	367.00
2.	Domestic purpose	25.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	100.00
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
S1	Boiler	ESP	45	Biomass/Coal	9375 Kg/Hr	0.41	140.00
S2	DG Set 750 KVA	Acoustic enclosure	5	Diesel	50 Ltr/Hr	1.00	24.00
S3	DG Set 125 KVA	Acoustic Enclosure	5	Diesel	20 Ltr/Hr	1.00	10.00

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
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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	C2R	Rs. 5 lakhs (Existing BG extended)	Submit renewed copy within 15 days	Towards O&M for achieving consented standards of effluent, stack emission, AAQM.	31/12/2028	30/04/2029

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
1	-	-	-	-	-	-

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
1	-	-	-	-



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.

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)
**No:- Format1.0/CC/UAN No.MPCB-
CONSENT-0000214552/CO/2409001533**

Date: 25/09/2024

To,
Adlers Bioenergy Ltd
Sr. No. 284 (B),at Sr. No. 284 (B), Village Gaurgaon,
Taluka Kallamb, District Osmanabad (Maharashtra)
Kallamb,Osmanabad-Osmanabad



Sub: 1st Consent to Operate in Red/LSI category for EXPANSION in existing Distillery unit from 25 KLPD to 60 KLPD capacity. i.e. for 35 KLPD Distillery Plant.

- Ref:**
1. Application received from Sub-Regional Office, Latur vide UAN No. MPCB-CONSENT-0000214552.
 2. Existing Consent to Operate obtained in Red/LSI category vide no. Format1.0/CC/UAN No.MPCB-CONSENT-0000180497/CO/2403003129 dated 28/03/2024 valid up to 31/12/2028.
 3. Minutes of the 8th Consent Committee Meeting dated 10/09/2024.

Your application No.MPCB-CONSENT-0000214552 Dated 02.07.2024

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 31/12/2028**
2. **The capital investment of the project is Rs.23.55 Crs. (As per C.A Certificate submitted by industry Existing-Rs. 111.2597 Crs + Expansion/Increase in C.I. - Rs. 23.55 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	RS/ENA/Ethanol	35	KL/D
2	Indian made foregin Liqour	27000	Lit/Day
3	Country Liqour	27000	Ton/D
By Products			
4	DDGS (By-product)	39.8	Ton/D

Sr No	Product	Maximum Quantity	UOM
5	CO2 (By-product)	47	Ton/D

(Grain Based Distillery Capacity shall not exceed 60 KLPD)

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	237	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	0	As per Schedule-I	Not Applicable

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	S1	Boiler 20 TPH	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	CPU Sludge	0.025	Ton/D	Storage in covered shed in scientific manner.	Used as manure
2	Coal Ash	7.5	Ton/D	Storage in covered shed in scientific manner.	Will be send to brick manufacturer
3	Husk & Agri waste	4.5	Ton/D	Storage in covered shed in scientific manner.	Used as manure

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

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	0.071	Ton/Y	Send to Authorized vendor	Sale to authorized buyer

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. SIA/MH/IND2/75304/2010 dated 25/09/2023.
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 make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)
13. This consent is issued as per the Minutes of the 8th Consent Committee meeting dated 10/09/2024.

14. 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.



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Signed by: **Dr. Avinash Dhakne**
Member Secretary
For and on behalf of
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2024-09-25 16:40:21 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	250000.00	TXN2407001618	09/07/2024	Online Payment

Copy to:

1. Regional Officer, MPCB, Chhatrapati Sambhaji Nagar and Sub-Regional Officer, MPCB, Latur
- 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] Provided Primary, secondary and tertiary treatment systems as CPU of 650 CMD capacity. CPU outlet is recycled back in to plant activities. Further industry has also provided decanter for spent wash followed by evaporation (MEE) along with dryer to achieve 100% ZLD.

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 0 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	62.00
2.	Domestic purpose	0.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	282.00
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
S1	Boiler 20 TPH	ESP	45	Biomass/ Coal	9375 Kg/Hr	0.41	140.00

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
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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	C2O	Rs. 5 lakhs (New BG)	Within 15 days	Towards O&M for achieving consented standards of effluent, stack emission , AAQM.	31/12/2028	31/12/2029

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
1	-	-	-	-	-	-

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
1	-	-	-	-



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.
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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.

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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.



लोकमत
गुरुवार, २८.९.२०२३

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धाराशिव

epaper.lokmat.com

प्रेस नोट
पर्यावरण, वन आणि हवामान बदल मंत्रालयाने (MOEFCC) मेसर्स, अॅडलर्स बायो एनर्जी लिमिटेड, गौरगाव तालुका - कळंब, जिल्हा - उस्मानाबाद (धाराशिव), महाराष्ट्र येथे 25 klpd वरून 60 klpd पर्यंत धान्य आधारित डिस्टिलरीला विस्तार मंजूरी दिली आहे. E C ओळख क्रमांक E C 23 B 0 2 2 M H 1 4 8 2 8 0 आणि फाइल क्रमांक SIA/MH/IND2/75304/2010 आहे. पर्यावरण मंजूरी पत्राच प्रत M O E F C C कडे आणि मंत्रालयाच्या वेबसाईटवर आणि <https://parivesh.nic.in> वर उपलब्ध आहे.
अॅडलर्स बायो एनर्जी लिमिटेड

Press Note

This is to inform that, Ministry of Environment, Forest and Climate Change (MOEFCC) has granted Environmental clearance to M/s. Adlers Bio energy Limited for expansion of grain based distillery from 25 KLPD to 60 KLPD located at Gourgaoon Village, Taluka: Kallamb, District: Osmanabad (Dharashiv), Maharashtra on dated 25.09.2023. EC Identification No. is EC23B022MH148280 and File No. SIA/MH/IND2/75304/2010. Environmental clearance letter copy is available with the SPCB and at website of the Ministry and at <https://parivesh.nic.in>.

ADLERS BIO-ENERGY LIMITED



भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो)

Petroleum & Explosives Safety Organisation (PESO)

ए-1 और ए-2 विंग, पाँचवा तल, केंद्रीय कार्यालय परिसर, सी.बी.डी. बेलापुर

नवी मुंबई (महा.)- 400614

A1 & A2 wing, 5th Floor, C.G.O. complex, CBD Belapur, Navi Mumbai (M.S.),
Mumbai - 400614

E-mail : jtcemumbai@explosives.gov.in

Phone/Fax No : 022 - 27575946,27573881

संख्या /No. : P/WC/MH/15/6426 (P503594)

दिनांक /Dated : 06/06/2022

सेवा में /To,

M/s. Adlers BioEnergy Limited,
Survey No. 284/B, At Gaurgaon, Latur - Barshi Road,
Near Dhoki,,
Gaurgaon,
Taluka: Kalamb,
District: OSMANABAD,
State: Maharashtra
PIN: 413507

विषय /Sub : Survey No, 284/B, Village Gaurgaon, Taluka Kallamb, Gaurgaon, Taluka: Kalamb, District: OSMANABAD, State: Maharashtra, PIN: 413507 में पेट्रोलियम वर्ग A का अधिष्ठापन-अनुज्ञप्ति जारी करने के बारे में।

Petroleum Class A Installation at Survey No, 284/B, Village Gaurgaon, Taluka Kallamb, Gaurgaon, Taluka: Kalamb, District: OSMANABAD, State: Maharashtra, PIN: 413507 Grant of License regarding.

महोदय
/Sir(s),

कृपया आपके पत्र क्रमांक OIN1071234 दिनांक 20/05/2022 का अवलोकन करें।

Please refer to your letter No. OIN1071234 dated 20/05/2022

विषयान्तर्गत अधिष्ठापन में निम्नलिखित पेट्रोलियम पदार्थों के वर्ग तथा मात्रा के भंडारण के लिए पेट्रोलियम नियम, 2002 के अधीन प्ररूप - XV में स्वीकृत, दिनांक 31/12/2031 तक वैध अनुज्ञप्ति संख्या P/WC/MH/15/6426 (P503594) दिनांक 06/06/2022 भेजी जा रही है।

Licence No. P/WC/MH/15/6426 (P503594) dated 06/06/2022 granted in Form XV under the Petroleum Rules, 2002 and valid till 31/12/2031 for the storage of the following kinds and quantities of Petroleum at the subject installation is forwarded herewith.

पेट्रोलियम का विवरण /Description of Petroleum	किलोलीटरों में अनुज्ञप्त क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	1103.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	1103.00 KL

कृपया पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कड़ाई से पालन करें और अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्ती की तारीख या उससे पूर्व Jt. Chief Controller of Explosives, West Circle, Mumbai को प्रेषित करें।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Jt. Chief Controller of Explosives, West Circle, Mumbai, so as to reach his office on or before the date on which Licence expires.

यह अनुमोदन/ अनुमति अन्य प्राधिकारियों से आवश्यक अनुमति/क्लीयरन्स प्राप्त करने से या यथा लागू अन्य विधियों से छूट नहीं देती है।

This approval/permission, however, does not absolve from obtaining necessary permission/clearance from other authorities or under other statutes as applicable.

भवदीय /Yours faithfully,

(यू. एस. भंगे)
(UJWAL SHANKAR BHANGE)
विस्फोटक नियंत्रक
Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
नवी मुंबई (महा.)/Mumbai

Copy forwarded to :-

1. The Additional District Magistrate, OSMANABAD(Maharashtra) with reference to his NOC No 2021/DC/MAG-5/Kavi-839/CR-20 Dated 27/04/2022

For Jt. Chief Controller of Explosives
Mumbai

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट <http://peso.gov.in> देखें)
(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

Note:-This is system generated document does not require signature.



Maharashtra Pollution Control Board

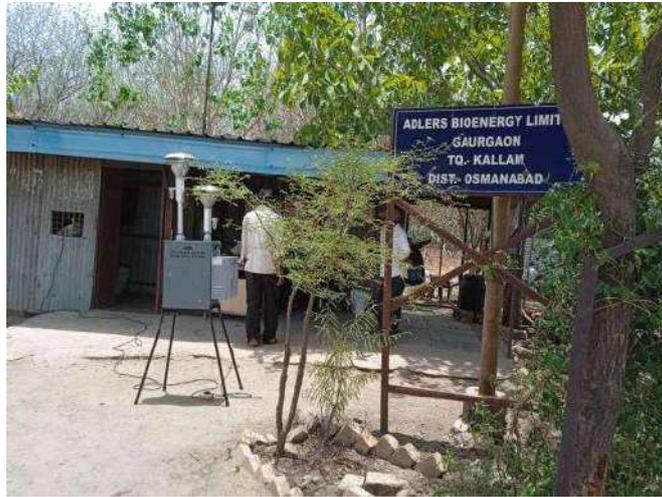
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Bank Guarantee

BG UAN NUMBER:	MPCB-BG-0000073719						
Industry Unit:	ADLERS BIO ENERGY LTD	Industry Name:	ADLERS BIO ENERGY LTD	Industry Address:	GAURGAON,Gaurgaon,Osmanabad		
RO Region:	RO-Aurangabad	SRO Region:	SRO-Latur	BG Obtained for:	CONSENT	BG for:	Establish
Consent No:	260th SEIAA Minutes of Meeting	Consent Date:	03-05-2023	Consent Validity Date:	30-05-2027		
Conditions:	Implementation of remediation & natural & community resource augmentation plan	Compliance period:	30-09-2025	BG No:	SCB.KR/BG-003623000000979	Amount:	1000000
Bank:	Saraswat Co-Op Bank	BG submission Date:	08-07-2024	BG expiry Date:	30-09-2025		

Note: You have been directed to submit original bank guarantee along with this acknowledge letter to concerned regional office.

SITE PHOTOGRAPHS



Rain Water Harvesting Recharge pits



GREENBELT DEVELOPMENT





ETP photographs





Photographs of air pollution control equipment



Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Sample Details	
Adlers bioenergy limited Subhash nagar,gaurgaon,Latur-barshi road Taluka:kalamb District:osmanabad Maharashtra	Sample Code	MITCON/2024-25/October/10957/1
	Name of Sample	Ground water
	Sample Details	Gaurgaon borewell water
	Container Details	2 lit Plastic Can + 100 ml Sterile bottle
	Sample Collected By	MITCON
	Method of sampling	IS 3025 (Part I)
	Sample Collected On	25/10/2024
	Date of Sample Receipt	26/10/2024
	Analysis Start Date	26/10/2024
	End Date of Analysis	04/11/2024

ANALYSIS RESULTS

Sr. No	Parameters	Results	Unit	IS:10500:2012 Required Standards	Test Methods
CHEMICAL POTABILITY					
1.	pH at 25 °C	7.34	-	6.50 to 8.50	APHA 4500 H+, A, 4-95, 23 rd Ed.2017.
2	Temperature	25.1	°C	N.S.	APHA 2550 B,2-69 to 2-70 ,23 rd Ed.2017.
3	Electrical Conductivity at 25 °C	704.5	µS/cm	N.S.	APHA 2510 B,2-56 to 2-58 ,23 rd Ed.2017.
4	Turbidity	<1.0	NTU	≤ 1	IS: 3025 Part-10 (Rev.1,RA:2012)
5	Total Dissolved Solids	421.0	mg/l	≤ 500	APHA 2540 C, 2-69 to 2-70, 23 rd Ed.2017.
6	Total Solids	424.0	mg/l	N.S.	APHA 2540 C, 2-68 to 2-69, 23 rd Ed.2017.
7	Total suspended Solids	<5	mg/l	N.S	APHA 2540 D ,2-70 to 2-71 23 rd Ed 2017
8	Acidity as CaCO ₃	<5	mg/l	N.S.	IS 3025 (part 22),1986,(Rev 1R.A.2014)
9	Total Alkalinity as CaCO ₃	178.05	mg/l	≤ 200	APHA 2320 B, 2-37 to 2-3923 rd Ed.2017..
10	Total Hardness as CaCO ₃	195.12	mg/l	≤ 200	APHA 2340 C ,2-48 to 2-50,23 rd Ed.2017.
11	Calcium as Ca	65.08	mg/l	≤ 75	APHA 3500 Ca B, 3.-69 to 3-70,23 rd Ed.2017.
12	Magnesium as Mg	25.14	mg/l	≤ 30	APHA 3500 Mg B, 3.-86 ,23 rd Ed.2017.
13	Chloride as Cl ⁻	35.46	mg/l	≤ 250	APHA 4500 Cl B,4-75 to 4-76,23 rd Ed.2017.
14	Sulphates as SO ₄	19.14	mg/l	≤ 200	APHA 4500 SO4-E,4-199 to 4-200 23 rd Ed.2017.
15	Nitrate as NO ₃	3.72	mg/l	≤ 45	APHA 4500 NO3 - B 4-127 23 rd Ed.2017.

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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

16	Ammonical Nitrogen as NH ₄ -N	<0.1	mg/l	N.S.	APHA 4500 NH ₃ F, 4-119 to 4-120 23 rd Ed.2017.
17	Total Kjeldahl Nitrogen as NH ₃ -N	<1	mg/l	N.S.	APHA 4500 N org B and 4500 N-NH ₃ C
18	salinity	0.064	ppt	N.S.	By Calculation
19	Fluoride as F	<0.1	mg/l	≤ 1.0	APHA 4500 F-D 4-90 to 4-91 ,23 rd Ed.2017.
20	Total Phosphorous	<1	mg/l	N.S.	APHA 4500 P-C4-162, 23 rd Ed.2017.
21	Silica as SiO ₂	4.93	mg/l	N.S.	APHA 4500 SIO ₂ , C 4-175 to 4-177 ,23 rd Ed.2017.
22	Sodium as Na	9.52	mg/l	N.S.	APHA 3111B, 3-20 to 3-21 , 23 rd Ed.2017.(AAS)
23	Potassium as K	4.50	mg/l	N.S.	APHA 3111B, 3-20 to 3-21 ,23 rd Ed.2017. (AAS)
24	Hexavalent Chromium (as Cr6+)	<0.02	mg/l	N.S.	APHA 3500 Cr-B 3-71 23 rd Ed.2017.
25	Iron (as Fe)	<0.05	mg/l	≤ 0.3	APHA 3111 B, 3-18 to 3-21 , 23 rd Ed.2017.
26	Copper (as Cu)	<0.04	mg/l	≤ 0.05	APHA 3111 B, 3-18 to 3-21 , 23 rd Ed.2017. (AAS)
27	Nickel	<0.01	mg/l	≤ 0.01	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
28	Zinc as Zn	<0.05	mg/l	≤ 5	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
29	Manganese	<0.1	mg/l	≤ 0.1	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
30	Chromium	<0.03	mg/l	≤ 0.05	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
31	Lead	<0.01	mg/l	≤ 0.01	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
32	cadmium	<0.003	mg/l	≤ 0.003	APHA 3111 B, 3-18 TO 3-21 23 rd Ed.2017.(AAS)
33	Phenol	<0.001	mg/l	≤ 0.001	IS 3025 (Part 43)(Rev 1:R.A: 2014
BACTERIOLOGICAL POTABILITY					
01	Total Coliforms	Absent	per100 ml	Absent	IS: 1622 (R.A 1 2014)
02	Faecal coliform	Absent	per100 ml	Absent	IS: 1622 (R.A 1 2014)

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By
(Mrs. Kadambari Deshmukh)



Sandeep
Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address		Sample Details	
Adlers bioenergy limited Subhash nagar,gurgaon,Latur-barshi road Taluka:kallamb District:osmanabad Maharashtra	Sample Code	MITCON/2024-25/October/10957/2	
	Name of Sample	Ground water	
	Sample Details	Nipani borewell water	
	Container Details	2 lit Plastic Can + 100 ml Sterile bottle	
	Sample Collected By	MITCON	
	Method of sampling	IS 3025 (Part I)	
	Sample Collected On	25/10/2024	
	Date of Sample Receipt	26/10/2024	
	Analysis Start Date	26/10/2024	
	End Date of Analysis	04/11/2024	

ANALYSIS RESULTS

Sr. No	Parameters	Results	Unit	IS:10500:2012 Required Standards	Test Methods
CHEMICAL POTABILITY					
1.	pH at 25 °C	7.12	-	6.50 to 8.50	APHA 4500 H+, A, 4-95, 23 rd Ed.2017.
2	Temperature	25.4	°C	N.S.	APHA 2550 B,2-69 to 2-70 ,23 rd Ed.2017.
3	Electrical Conductivity at 25 °C	837.5	µS/cm	N.S.	APHA 2510 B,2-56 to 2-58 ,23 rd Ed.2017.
4	Turbidity	<1.0	NTU	≤ 1	IS: 3025 Part-10 (Rev.1,RA:2012)
5	Total Dissolved Solids	578.0	mg/l	≤ 500	APHA 2540 C, 2-69 to 2-70, 23 rd Ed.2017.
6	Total Solids	583.0	mg/l	N.S.	APHA 2540 C, 2-68 to 2-69, 23 rd Ed.2017.
7	Total suspended Solids	<5	mg/l	N.S	APHA 2540 D ,2-70 to 2-71 23 rd Ed 2017
8	Acidity as CaCO ₃	<5	mg/l	N.S.	IS 3025 (part 22),1986,(Rev 1R.A.2014)
9	Total Alkalinity as CaCO ₃	171.55	mg/l	≤ 200	APHA 2320 B, 2-37 to 2-3923 rd Ed.2017..
10	Total Hardness as CaCO ₃	198.12	mg/l	≤ 200	APHA 2340 C ,2-48 to 2-50,23 rd Ed.2017.
11	Calcium as Ca	65.24	mg/l	≤ 75	APHA 3500 Ca B, 3.-69 to 3-70,23 rd Ed.2017.
12	Magnesium as Mg	29.85	mg/l	≤ 30	APHA 3500 Mg B, 3.-86 ,23 rd Ed.2017.
13	Chloride as Cl ⁻	60.02	mg/l	≤ 250	APHA 4500 Cl B,4-75 to 4-76,23 rd Ed.2017.
14	Sulphates as SO ₄	42.14	mg/l	≤ 200	APHA 4500 SO ₄ -E,4-199 to 4-200 23 rd Ed.2017.
15	Nitrate as NO ₃	<1.0	mg/l	≤ 45	APHA 4500 NO ₃ - B 4-127 23 rd Ed.2017.
16	Ammonical Nitrogen as NH ₄ -N	<0.1	mg/l	N.S.	APHA 4500 NH ₃ F, 4-119 to 4-120 23 rd Ed.2017.



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Issue Date: 04/11/2024

17	Total Kjeldahl Nitrogen as NH ₃ -N	<1	mg/l	N.S.	APHA 4500 N org B and 4500 N-NH ₃ C
18	salinity	0.108	ppt	N.S.	By Calculation
19	Fluoride as F	<0.1	mg/l	≤ 1.0	APHA 4500 F-D 4-90 to 4-91 ,23 rd Ed.2017.
20	Total Phosphorous	<1	mg/l	N.S.	APHA 4500 P-C4-162, 23 rd Ed.2017.
21	Silica as SiO ₂	7.47	mg/l	N.S.	APHA 4500 SiO ₂ , C 4-175 to 4-177 ,23 rd Ed.2017.
22	Sodium as Na	17.6	mg/l	N.S.	APHA 3111B, 3-20 to 3-21 , 23 rd Ed.2017.(AAS)
23	Potassium as K	4.42	mg/l	N.S.	APHA 3111B, 3-20 to 3-21 ,23 rd Ed.2017. (AAS)
24	Hexavalent Chromium (as Cr6+)	<0.02	mg/l	N.S.	APHA 3500 Cr-B 3-71 23 rd Ed.2017.
25	Iron (as Fe)	<0.05	mg/l	≤ 0.3	APHA 3111 B, 3-18 to 3-21 , 23 rd Ed.2017.
26	Copper (as Cu)	<0.04	mg/l	≤ 0.05	APHA 3111 B, 3-18 to 3-21 , 23 rd Ed.2017. (AAS)
27	Nickel	<0.01	mg/l	≤ 0.01	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
28	Zinc as Zn	<0.05	mg/l	≤ 5	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
29	Manganese	<0.1	mg/l	≤ 0.1	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
30	Chromium	<0.03	mg/l	≤ 0.05	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
31	Lead	<0.01	mg/l	≤ 0.01	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
32	cadmium	<0.003	mg/l	≤ 0.003	APHA 3111 B, 3-18 TO 3-21 23 rd Ed.2017.(AAS)
33	Phenol	<0.001	mg/l	≤ 0.001	IS 3025 (Part 43)(Rev 1:R.A: 2014
BACTERIOLOGICAL POTABILITY					
01	Total Coliforms	Absent	Per100 ml	Absent	IS: 1622 (R.A 1 2014)
02	Faecal coliform	Absent	Per100 ml	Absent	IS: 1622 (R.A 1 2014)

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
 Checked By
 (Mrs. Kadambari Deshmukh)



Sandeep Jadhav
 Authorized Signatory
 Dr. Sandeep Jadhav
 (Quality Manager/HOD)

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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Sample Details	
Adlers bioenergy limited Subhash nagar,gurgaon,Latur-barshi road Taluka:kallamb District:osmanabad Maharashtra	Sample Code	MITCON/2024-25/October/10957/2
	Name of Sample	Ground water
	Sample Details	Nipani borewell water
	Container Details	2 lit Plastic Can + 100 ml Sterile bottle
	Sample Collected By	MITCON
	Method of sampling	IS 3025 (Part I)
	Sample Collected On	25/10/2024
	Date of Sample Receipt	26/10/2024
	Analysis Start Date	26/10/2024
	End Date of Analysis	04/11/2024

ANALYSIS RESULTS

Sr. No	Parameters	Results	Unit	IS:10500:2012 Required Standards	Test Methods
CHEMICAL POTABILITY					
1.	pH at 25 °C	7.12	-	6.50 to 8.50	APHA 4500 H+, A, 4-95, 23 rd Ed.2017.
2	Temperature	25.4	°C	N.S.	APHA 2550 B,2-69 to 2-70 ,23 rd Ed.2017.
3	Electrical Conductivity at 25 °C	837.5	µS/cm	N.S.	APHA 2510 B,2-56 to 2-58 ,23 rd Ed.2017.
4	Turbidity	<1.0	NTU	≤ 1	IS: 3025 Part-10 (Rev.1,RA:2012)
5	Total Dissolved Solids	578.0	mg/l	≤ 500	APHA 2540 C, 2-69 to 2-70, 23 rd Ed.2017.
6	Total Solids	583.0	mg/l	N.S.	APHA 2540 C, 2-68 to 2-69; 23 rd Ed.2017.
7	Total suspended Solids	<5	mg/l	N.S	APHA 2540 D ,2-70 to 2-71 23 rd Ed 2017
8	Acidity as CaCO ₃	<5	mg/l	N.S.	IS 3025 (part 22),1986,(Rev 1R.A.2014)
9	Total Alkalinity as CaCO ₃	171.55	mg/l	≤ 200	APHA 2320 B, 2-37 to 2-3923 rd Ed.2017..
10	Total Hardness as CaCO ₃	198.12	mg/l	≤ 200	APHA 2340 C ,2-48 to 2-50,23 rd Ed.2017.
11	Calcium as Ca	65.24	mg/l	≤ 75	APHA 3500 Ca B, 3.-69 to 3-70,23 rd Ed.2017.
12	Magnesium as Mg	29.85	mg/l	≤ 30	APHA 3500 Mg B, 3.-86 ,23 rd Ed.2017.
13	Chloride as Cl ⁻	60.02	mg/l	≤ 250	APHA 4500 Cl B,4-75 to 4-76,23 rd Ed.2017.
14	Sulphates as SO ₄	42.14	mg/l	≤ 200	APHA 4500 SO ₄ -E,4-199 to 4-200 23 rd Ed.2017.
15	Nitrate as NO ₃	<1.0	mg/l	≤ 45	APHA 4500 NO ₃ - B 4-127 23 rd Ed.2017.
16	Ammonical Nitrogen as NH ₄ -N	<0.1	mg/l	N.S.	APHA 4500 NH ₃ F, 4-119 to 4-120 23 rd Ed.2017.



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Issue Date: 04/11/2024

17	Total Kjeldahl Nitrogen as NH ₃ -N	<1	mg/l	N.S.	APHA 4500 N org B and 4500 N-NH ₃ C
18	salinity	0.108	ppt	N.S.	By Calculation
19	Fluoride as F	<0.1	mg/l	≤ 1.0	APHA 4500 F-D 4-90 to 4-91 ,23 rd Ed.2017.
20	Total Phosphorous	<1	mg/l	N.S.	APHA 4500 P-C4-162, 23 rd Ed.2017.
21	Silica as SiO ₂	7.47	mg/l	N.S.	APHA 4500 SiO ₂ , C 4-175 to 4-177 ,23 rd Ed.2017.
22	Sodium as Na	17.6	mg/l	N.S.	APHA 3111B, 3-20 to 3-21 , 23 rd Ed.2017.(AAS)
23	Potassium as K	4.42	mg/l	N.S.	APHA 3111B, 3-20 to 3-21 ,23 rd Ed.2017. (AAS)
24	Hexavalent Chromium (as Cr6+)	<0.02	mg/l	N.S.	APHA 3500 Cr-B 3-71 23 rd Ed.2017.
25	Iron (as Fe)	<0.05	mg/l	≤ 0.3	APHA 3111 B, 3-18 to 3-21 , 23 rd Ed.2017.
26	Copper (as Cu)	<0.04	mg/l	≤ 0.05	APHA 3111 B, 3-18 to 3-21 , 23 rd Ed.2017. (AAS)
27	Nickel	<0.01	mg/l	≤ 0.01	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
28	Zinc as Zn	<0.05	mg/l	≤ 5	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
29	Manganese	<0.1	mg/l	≤ 0.1	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
30	Chromium	<0.03	mg/l	≤ 0.05	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
31	Lead	<0.01	mg/l	≤ 0.01	APHA 3111 B, 3-18 TO 3-21, 23 rd Ed.2017.(AAS)
32	cadmium	<0.003	mg/l	≤ 0.003	APHA 3111 B, 3-18 TO 3-21 23 rd Ed.2017.(AAS)
33	Phenol	<0.001	mg/l	≤ 0.001	IS 3025 (Part 43)(Rev 1:R.A: 2014
BACTERIOLOGICAL POTABILITY					
01	Total Coliforms	Absent	Per100 ml	Absent	IS: 1622 (R.A 1 2014)
02	Faecal coliform	Absent	Per100 ml	Absent	IS: 1622 (R.A 1 2014)

For MITCON Consultancy & Engineering Services Ltd.

Kameshwar
Checked By
(Mrs. Kadambari Deshmukh)



SD
Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Sample Details	
Adlers bioenergy limited Subhash nagar,gaurgaon,Latur-barshi road Taluka:kallamb District:osmanabad Maharashtra	Sample Code	MITCON/2024-25/October/10957/4
	Name of Sample	Effluent
	Sample Details	ETP Inlet
	Container Details	2 lit Plastic Can
	Sample Collected By	MITCON
	Sampling Method	IS 3025 (Part I)
	Sample Collected On	25/10/2024
	Date of Sample Receipt	26/10/2024
	Analysis Start Date	26/10/2024
	End Date of Analysis	04/11/2024

Sr. No.	Parameters	Results	Unit	Test Method
01	pH at 25°C	7.25	-	APHA 4500 H+ , A, 4-95, 23 rd Ed. 2017.
02	Total Suspended Solids	115	mg/l	APHA 2540 D 2-70 to 2-71 23 rd Ed 2017
03	Total Dissolved Solids	1810	mg/l	APHA 2540 C, 2-69 to 2-70 23 rd Ed 2017
04	Chemical Oxygen Demand	1454.0	mg/l	APHA 5220 C,5-20 to 5-21 23 rd Ed 2017
05	Biochemical Oxygen Demand at 27°C for 3 Days	412.0	mg/l	IS: 3025 (Part-44)-1993 (Rev.1, R.A : 2014)
06	Oil & Grease	75.0	mg/l	APHA 5520 B,5-42 to 5-43 23 rd Ed 2017
07	Chloride as Cl	180.95	mg/l	APHA 4500 Cl B, 4-75 to 4-76, 23 rd Ed 2017
08	Sulphate as SO ₄	257.16	mg/l	APHA 4500 -E SO ₄ , 4-199 to 4-200, 23 rd Ed 2017

For MITCON Consultancy & Engineering Services Ltd.

K. Deshmukh
Checked By
(Mrs. Kadambari Deshmukh)



[Signature]
Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Sample Details	
Adlers bioenergy limited Subhash nagar,gaurgaon,Latur-barshi road Taluka:kallamb District:osmanabad Maharashtra	Sample Code	MITCON/2024-25/October/10957/5
	Name of Sample	Effluent
	Sample Details	ETP outlet
	Container Details	2 lit Plastic Can
	Sample Collected By	MITCON
	Sampling Method	IS 3025 (Part I)
	Sample Collected On	25/10/2024
	Date of Sample Receipt	26/10/2024
	Analysis Start Date	26/10/2024
	End Date of Analysis	04/11/2024

Sr. No.	Parameters	Results	Unit	Test Method
01	pH at 25°C	7.39	-	APHA 4500 H+, A, 4-95, 23 rd Ed. 2017.
02	Total Suspended Solids	06	mg/l	APHA 2540 D 2-70 to 2-71 23 rd Ed 2017
03	Total Dissolved Solids	878.0	mg/l	APHA 2540 C, 2-69 to 2-70 23 rd Ed 2017
04	Chemical Oxygen Demand	65.0	mg/l	APHA 5220 C,5-20 to 5-21 23 rd Ed 2017
05	Biochemical Oxygen Demand at 27°C for 3 Days	21.0	mg/l	IS: 3025 (Part-44)-1993 (Rev.1, R.A : 2014)
06	Oil & Grease	<5	mg/l	APHA 5520 B,5-42 to 5-43 23 rd Ed 2017
07	Chloride as Cl	118.24	mg/l	APHA 4500 Cl B, 4-75 to 4-76, 23 rd Ed 2017
08	Sulphate as SO ₄	55.43	mg/l	APHA 4500 -E SO ₄ , 4-199 to 4-200, 23 rd Ed 2017

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By
(Mrs. Kadambari Deshmukh)



Sandeep
Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Issue Date: 04/11/2024

Client's Name & Address	Sample Details	
Adlers bioenergy limited Subhash nagar,gaurgaon,Latur-barshi road Taluka:kallamb District:osmanabad Maharashtra	Sample Code	MITCON/2024-25/October/10957/6
	Name of Sample	Soil
	Sample Details	Factory area
	Container Details	1 kg plastic bag
	Sample Collected By	MITCON
	Sample Collected On	25/10/2024
	Date of Sample Receipt	26/10/2024
	Analysis Start Date	26/10/2024
	End Date of Analysis	04/11/2024

ANALYSIS RESULTS

Sr. No.	Parameters	Results	Unit	Test Method
01	Texture	Clay loam	-	ISRIC soil analysis manual
02	Percentage Of Different Components			
	sand	40	%	ISRIC soil analysis manual
	Silt	25	%	
	Clay	35	%	
03	Soil Moisture	5.02	%	IS 2720 Part II1973
04	Bulk Density	1.08	gm/cm ²	IS 2720 (part XXIX)
05	Water Holding Capacity	38.95	%	IS 14765:2000
06	pH	8.02	--	IS 2720 (Part 26) 1987,Rev..2,Reaff 2011
07	Conductivity	1205.6	µs/cm	IS 14767,2000,Reaff 2016
08	Organic Carbon	0.14	%	IS 2720 (Part 22)
09	Calcium (as Ca)	108.78	mg/kg	ISRIC soil analysis manual
10	Magnesium (as Mg)	63.14	mg/kg	ISRIC soil analysis manual
11	Available Nitrogen	127.56	kg/ha	ISRIC soil analysis manual
12	Phosphorous (as P)	16.50	kg/ha	ISRIC soil analysis manual
13	Potassium (as K)	180.09	kg/ha	ISRIC soil analysis manual
14	Iron (as Fe)	0.29	mg/kg	ISRIC soil analysis manual
15	Zinc (as Zn)	0.18	mg/kg	ISRIC soil analysis manual
16	Copper (as Cu)	0.19	mg/kg	ISRIC soil analysis manual
17	Sodium	37.71	mg/kg	ISRIC soil analysis manual



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Issue Date: 04/11/2024

18	Manganese (as Mn)	0.35	mg/kg	ISRIC soil analysis manual
19	Total Chromium (as Cr)	<0.05	mg/kg	ISRIC soil analysis manual
20	Nickel (as Ni)	<0.02	mg/kg	ISRIC soil analysis manual
21	Cadmium (as Cd)	<0.05	mg/kg	ISRIC soil analysis manual
22	Lead (as Pb)	<0.1	mg/kg	ISRIC soil analysis manual
23	Sodium Absorption Ratio	1.48	-	ISRIC soil analysis manual

For MITCON Consultancy & Engineering Services Ltd.


Checked By
(Mrs. Kadambari Deshmukh)




Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD)

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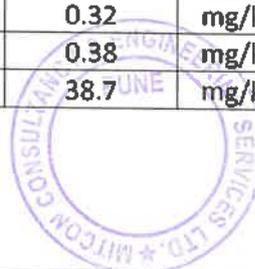
Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Sample Details	
Adlers bioenergy limited Subhash nagar,gaurgaon,Latur-barshi road Taluka:kallamb District:osmanabad Maharashtra	Sample Code	MITCON/2024-25/October/10957/7
	Name of Sample	Soil
	Sample Details	Nipani
	Container Details	1 kg plastic bag
	Sample Collected By	MITCON
	Sample Collected On	25/10/2024
	Date of Sample Receipt	26/10/2024
	Analysis Start Date	26/10/2024
End Date of Analysis	04/11/2024	

ANALYSIS RESULTS

Sr. No.	Parameters	Results	Unit	Test Method
01	Texture	Clay loam	-	ISRIC soil analysis manual
02	Percentage Of Different Components			
	sand	28	%	ISRIC soil analysis manual
	Silt	35	%	
	Clay	37	%	
03	Soil Moisture	8.52	%	IS 2720 Part II1973
04	Bulk Density	1.09	gm/cm ²	IS 2720 (part XXIX)
05	Water Holding Capacity	40.14	%	IS 14765:2000
06	pH	7.89	--	IS 2720 (Part 26) 1987,Rev..2,Reaff 2011
07	Conductivity	789.14	µs/cm	IS 14767,2000,Reaff 2016
08	Organic Carbon	0.18	%	IS 2720 (Part 22)
09	Calcium (as Ca)	98.10	mg/kg	ISRIC soil analysis manual
10	Magnesium (as Mg)	65.02	mg/kg	ISRIC soil analysis manual
11	Available Nitrogen	105.19	kg/ha	ISRIC soil analysis manual
12	Phosphorous (as P)	17.15	kg/ha	ISRIC soil analysis manual
13	Potassium (as K)	170.84	kg/ha	ISRIC soil analysis manual
14	Iron (as Fe)	0.92	mg/kg	ISRIC soil analysis manual
15	Zinc (as Zn)	0.32	mg/kg	ISRIC soil analysis manual
16	Copper (as Cu)	0.38	mg/kg	ISRIC soil analysis manual
17	Sodium	38.7	mg/kg	ISRIC soil analysis manual



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Issue Date: 04/11/2024

18	Manganese (as Mn)	0.32	mg/kg	ISRIC soil analysis manual
19	Total Chromium (as Cr)	<0.05	mg/kg	ISRIC soil analysis manual
20	Nickel (as Ni)	<0.02	mg/kg	ISRIC soil analysis manual
21	Cadmium (as Cd)	<0.05	mg/kg	ISRIC soil analysis manual
22	Lead (as Pb)	<0.1	mg/kg	ISRIC soil analysis manual
23	Sodium Absorption Ratio	1.52	-	ISRIC soil analysis manual

For MITCON Consultancy & Engineering Services Ltd.


Checked By

(Mrs. Kadambari Deshmukh)




Authorized Signatory

Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Issue Date: 04/11/2024

Client's Name & Address	Sample Details	
Adlers bioenergy limited Subhash nagar,gaurgaon,Latur-barshi road Taluka:kallamb District:osmanabad Maharashtra	Sample Code	MITCON/2024-25/October/10957/8
	Name of Sample	Soil
	Sample Details	Nipani
	Container Details	1 kg plastic bag
	Sample Collected By	Gaurgaon
	Sample Collected On	25/10/2024
	Date of Sample Receipt	26/10/2024
	Analysis Start Date	26/10/2024
End Date of Analysis	04/11/2024	

ANALYSIS RESULTS

Sr. No.	Parameters	Results	Unit	Test Method
01	Texture	Clay loam	-	ISRIC soil analysis manual
02	Percentage Of Different Components			
	sand	32	%	ISRIC soil analysis manual
	Silt	25	%	
	Clay	43	%	
03	Soil Moisture	8.10	%	IS 2720 Part II1973
04	Bulk Density	1.09	gm/cm ²	IS 2720 (part XXIX)
05	Water Holding Capacity	59.4	%	IS 14765:2000
06	pH	7.98	--	IS 2720 (Part 26) 1987,Rev..2,Reaff 2011
07	Conductivity	813.2	µs/cm	IS 14767,2000,Reaff 2016
08	Organic Carbon	0.32	%	IS 2720 (Part 22)
09	Calcium (as Ca)	108.13	mg/kg	ISRIC soil analysis manual
10	Magnesium (as Mg)	80.26	mg/kg	ISRIC soil analysis manual
11	Available Nitrogen	119.44	kg/ha	ISRIC soil analysis manual
12	Phosphorous (as P)	16.24	kg/ha	ISRIC soil analysis manual
13	Potasslum (as K)	158.15	kg/ha	ISRIC soil analysis manual
14	Iron (as Fe)	0.25	mg/kg	ISRIC soil analysis manual
15	Zinc (as Zn)	0.32	mg/kg	ISRIC soil analysis manual
16	Copper (as Cu)	0.32	mg/kg	ISRIC soil analysis manual
17	Sodium	39.78	mg/kg	ISRIC soil analysis manual
18	Manganese (as Mn)	0.22	mg/kg	ISRIC soil analysis manual

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19	Total Chromium (as Cr)	<0.05	mg/kg	ISRIC soil analysis manual
20	Nickel (as Ni)	<0.02	mg/kg	ISRIC soil analysis manual
21	Cadmium (as Cd)	<0.05	mg/kg	ISRIC soil analysis manual
22	Lead (as Pb)	<0.1	mg/kg	ISRIC soil analysis manual
23	Sodium Absorption Ratio	1.43	-	ISRIC soil analysis manual

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By

(Mrs. Kadambari Deshmukh)

Sandeep
Authorized Signatory

Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/9
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gargaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Ambient Air
	Test Location	Near Factory Gate
	Monitoring Done By	MITCON
	Date of Analysis	26/10/2024

OBSERVATION

Ambient Temp.°C	Dry Bulb Temp.°C	Wet Bulb Temp.°C	Relative Humidity % RH	Sampling Time In Hrs.	Sampling Duration In Min
32	32	23	47	11:36	480

RESULT

Sr. No.	Description	Unit	Results	NAAQ Standards	Standard method
01	Sulphur Dioxide (SO ₂)	µg/M ³	11.2	≤ 80	IS:5182(Part 2)-2001
02	Oxides of Nitrogen (NO ₂)	µg/M ³	16.7	≤ 80	IS:5182(Part 6)-2006
03	Particulate Matter PM ₁₀ micron	µg/M ³	62.4	≤ 100	IS:5182(Part 23)-2006
04	Particulate Matter PM _{2.5} micron	µg/M ³	37.1	≤ 60	USEPA(40CFR ch-1)Appendix L to part 50
05	Ozone (O ₃)	µg/M ³	26.2	≤ 180	IS 5182(Part 9)-1974
06	Lead (Pb)	µg/M ³	BDL	≤ 1.0	Methods of air sampling and analysis method no 822 3rd Ed:1989
07	Carbon Monoxide (CO)	mg/M ³	0.64	≤ 4.0	Manual instruction
08	Ammonia (NH ₃)	µg/M ³	BDL	≤ 400	Methods of air sampling and analysis method no 401 3rd Ed 1989
09	Benzene (C ₆ H ₆)	µg/M ³	BDL	≤ 5	IS 5182(Part 11):2006
10	Benzo(a)Pyrene (BaP)	ng/ M ³	BDL	≤ 1	IS 5182(Part 12):2004
11	Arsenic (As)	ng/ M ³	BDL	≤ 6	Methods of Air sampling and analysis method no 302 3rd Ed:1989
12	Nickel (Ni)	ng/ M ³	BDL	≤ 20	Methods of Air sampling and analysis method no 822 3rd Ed:1989

REMARKS/OBSERVATIONS:

➤ All above results are within National Ambient Air Quality standards.

➤ BDL - Below detectable Limit.

For MITCON Consultancy & Engineering Services Ltd.


Checked By
(Mrs. Kadambari Deshmukh)




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Dr. Sandeep Jadhav
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Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/10
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Ambient Air
	Test Location	Village Gaurgaon
	Monitoring Done By	MITCON
	Date of Analysis	26/10/2024

OBSERVATION

Ambient Temp.°C	Dry Bulb Temp.°C	Wet Bulb Temp.°C	Relative Humidity % RH	Sampling Time In Hrs.	Sampling Duration In Min
32	32	23	47	11:58	480

RESULT

Sr. No.	Description	Unit	Results	NAAQ Standards	Standard method
01	Sulphur Dioxide (SO ₂)	µg/M ³	09.2	≤ 80	IS:5182(Part 2)-2001
02	Oxides of Nitrogen (NO ₂)	µg/M ³	16.5	≤ 80	IS:5182(Part 6)-2006
03	Particulate Matter PM ₁₀ micron	µg/M ³	64.8	≤ 100	IS:5182(Part 23)-2006
04	Particulate Matter PM _{2.5} micron	µg/M ³	36.7	≤ 60	USEPA(40CFR ch-1)Appendix L to part 50
05	Ozone (O ₃)	µg/M ³	27.5	≤ 180	IS 5182(Part 9)-1974
06	Lead (Pb)	µg/M ³	BDL	≤ 1.0	Methods of air sampling and analysis method no 822 3rd Ed:1989
07	Carbon Monoxide (CO)	mg/M ³	0.70	≤ 4.0	Manual Instruction
08	Ammonia (NH ₃)	µg/M ³	BDL	≤ 400	Methods of air sampling and analysis method no 401 3rd Ed 1989
09	Benzene (C ₆ H ₆)	µg/M ³	BDL	≤ 5	IS 5182(Part 11):2006
10	Benzo(a)Pyrene (BaP)	ng/ M ³	BDL	≤ 1	IS 5182(Part 12):2004
11	Arsenic (As)	ng/ M ³	BDL	≤ 6	Methods of Air sampling and analysis method no 302 3rd Ed:1989
12	Nickel (Ni)	ng/ M ³	BDL	≤ 20	Methods of Air sampling and analysis method no 822 3rd Ed:1989

REMARKS/OBSERVATIONS:

- > All above results are within National Ambient Air Quality standards.
- > BDL - Below detectable Limit.

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By
(Mrs. Kadambari Deshmukh)



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Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/11
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Ambient Air
	Test Location	Village Nipani
	Monitoring Done By	MITCON
	Date of Analysis	26/10/2024

OBSERVATION

Ambient Temp.°C	Dry Bulb Temp.°C	Wet Bulb Temp.°C	Relative Humidity % RH	Sampling Time In Hrs.	Sampling Duration In Min
32	32	23	47	12:40	480

RESULT

Sr. No.	Description	Unit	Results	NAAQ Standards	Standard method
01	Sulphur Dioxide (SO ₂)	µg/M ³	09.8	≤ 80	IS:5182(Part 2)-2001
02	Oxides of Nitrogen (NO ₂)	µg/M ³	18.7	≤ 80	IS:5182(Part 6)-2006
03	Particulate Matter PM ₁₀ micron	µg/M ³	61.6	≤ 100	IS:5182(Part 23)-2006
04	Particulate Matter PM _{2.5} micron	µg/M ³	35.3	≤ 60	USEPA(40CFR ch-1)Appendix L to part 50
05	Ozone (O ₃)	µg/M ³	24.8	≤ 180	IS 5182(Part 9)-1974
06	Lead (Pb)	µg/M ³	BDL	≤ 1.0	Methods of air sampling and analysis method no 822 3rd Ed:1989
07	Carbon Monoxide (CO)	mg/M ³	0.18	≤ 4.0	Manual instruction
08	Ammonia (NH ₃)	µg/M ³	BDL	≤ 400	Methods of air sampling and analysis method no 401 3rd Ed 1989
09	Benzene (C ₆ H ₆)	µg/M ³	BDL	≤ 5	IS 5182(Part 11):2006
10	Benzo(a)Pyrene (BaP)	ng/ M ³	BDL	≤ 1	IS 5182(Part 12):2004
11	Arsenic (As)	ng/ M ³	BDL	≤ 6	Methods of Air sampling and analysis method no 302 3rd Ed:1989
12	Nickel (Ni)	ng/ M ³	BDL	≤ 20	Methods of Air sampling and analysis method no 822 3rd Ed:1989

REMARKS/OBSERVATIONS:

➤ All above results are within National Ambient Air Quality standards.

➤ BDL - Below detectable Limit.

For MITCON Consultancy & Engineering Services Ltd.

Kadambari Deshmukh
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Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/12
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Workzone Air
	Test Location	Boiler House Area
	Monitoring Done By	MITCON
	Date of Analysis	26/10/2024

OBSERVATION

Ambient Temp.°C	Dry Bulb Temp.°C	Wet Bulb Temp.°C	Relative Humidity % RH	Sampling Time In Hrs.	Sampling Duration In Min
32	32	23	47	13:05	480

RESULTS

Sr. No.	Description	Unit	Results	The Factories Act 1948, Standards
1	Suspended Particulate Matter	µg/M ³	67.8	N.S.
2	Sulphur Dioxide	µg/M ³	11.4	≤ 5000
3	Oxides of Nitrogen	µg/M ³	16.7	≤ 6000
4	Carbon Monoxide	ppm	2.0	≤ 50
5	Carbon Dioxide	%	0.09	N.S.

REMARKS / OBSERVATIONS:

- All above results are within The Factories Act, 1948 Standards.
- N.S. – Not Specified.

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By
(Mrs. Kadambari Deshmukh)




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Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/13
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Source Emission
	Test Location	S-1 Boiler 20 TPH (Coal Base)
	Monitoring Done By	MITCON
	Date of Analysis	26/10/2024

OBSERVATION

Sr. No.	Parameters	Unit	Results
01	Time of Sampling	Hrs	16:20
02	Material of Stack	--	MS
03	Stack Height from G.L.	Mtr.	35.0
04	Type of Stack	--	Round
05	Flue Gas Temperature	°K	458
06	Differential Pressure	mmWG	1.6
07	Velocity	M/s	4.8
08	Dimensions of Stack (ID)	Mtr.	1.5
09	Stack Area	M ²	1.766
10	Gas Volume	NM ³ /Hr	20836.74

RESULT

Sr. No.	Description	Unit	Results	MPCB Limits
01	Particulate Matter	Mg/NM ³	87.6	≤ 150.00
02	Sulphur Dioxide	Mg/NM ³	102.4	--
03	Sulphur Dioxide	Kg/day	62.6	≤ 140.00
04	Oxides Of Nitrogen	Mg/NM ³	123.5	--
05	Carbon Monoxide	Mg/NM ³	130.8	--

REMARKS/OBSERVATIONS:

- All above results are within MPCB limits.

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By

(Mrs. Kadambari Deshmukh)



Sandeep
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Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/14
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Source Emission
	Test Location	S-2 750 KVA DG Set
	Monitoring Done By	MITCON
	Date of Analysis	26/10/2024

OBSERVATION

Sr. No.	Parameters	Unit	Results
01	Time of Sampling	Hrs	17:10
02	Material of Stack	--	MS
03	Stack Height from G.L.	Mtr.	5.0
04	Type of Stack	--	Round
05	Flue Gas Temperature	°K	489
06	Differential Pressure	mmWG	6.2
07	Velocity	M/s	10.4
08	Dimensions of Stack (ID)	Mtr.	0.200
09	Stack Area	M ²	0.0314
10	Gas Volume	NM ³ /Hr	896.36

RESULT

Sr. No.	Description	Unit	Results	MPCB Limits
01	Particulate Matter	Mg/NM ³	58.6	≤ 150.00
02	Sulphur Dioxide	Mg/NM ³	80.4	---
03	Sulphur Dioxide	Kg/day	1.60	≤ 24.00
04	Oxides Of Nitrogen	Mg/NM ³	52.4	---
05	Carbon Monoxide	%	07.3	---

REMARKS/OBSERVATIONS:

- All above results are within MPCB limits.

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By
(Mrs. Kadambari Deshmukh)



Sandeep
Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/15
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Source Emission
	Test Location	S-3 400 KVA DG Set
	Monitoring Done By	MITCON
	Date of Analysis	26/10/2024

OBSERVATION

Sr. No.	Parameters	Unit	Results
01	Time of Sampling	Hrs	17:50
02	Material of Stack	--	MS
03	Stack Height from G.L.	Mtr.	5.0
04	Type of Stack	--	Round
05	Flue Gas Temperature	°K	482
06	Differential Pressure	mmWG	5.2
07	Velocity	M/s	8.3
08	Dimensions of Stack (ID)	Mtr.	0.150
09	Stack Area	M ²	0.01766
10	Gas Volume	NM ³ /Hr	569.44

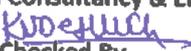
RESULT

Sr. No.	Description	Unit	Results	MPCB Limits
01	Particulate Matter	Mg/NM ³	56.5	≤ 150.00
02	Sulphur Dioxide	Mg/NM ³	56.2	---
03	Sulphur Dioxide	Kg/day	0.5	≤ 10.00
04	Oxides Of Nitrogen	Mg/NM ³	47.2	---
05	Carbon Monoxide	%	06.7	---

REMARKS/OBSERVATIONS:

➤ All above results are within MPCB limits.

For MITCON Consultancy & Engineering Services Ltd.


Checked By
(Mrs. Kadambari Deshmukh)




Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD)

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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/16
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Workzone Noise
	Monitoring Done By	MITCON
	Time Of Monitoring	1:36 pm Hrs.

READINGS

Sr. No.	Test Location	Unit	Readings
01	Dispatch Area	dB(A)	67.6
02	Boiler House Area	dB(A)	86.5
03	Turbine Area	dB(A)	84.3
04	Maintenance Area	dB(A)	70.4

REMARKS / OBSERVATIONS:

- **Limits:** The Maharashtra Factories Rule 1963, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours' exposure.

For MITCON Consultancy & Engineering Services Ltd.

Checked By

(Mrs. Kadambari Deshmukh)

Authorized Signatory

Dr. Sandeep Jadhav
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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/17
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	Ambient Noise
	Monitoring Done By	MITCON
	Time Of Monitoring	11:30 am Hrs. & 22:40 pm Hrs.

READINGS

Sr. No.	Test Location	Unit	Readings	
			11:30 am Hrs. (Day Time)	22:40 pm Hrs. (Night Time)
01	Near Main Gate	dB(A)	64.2	53.6
02	Village Gaurgaon	dB(A)	54.1	44.0
03	Village Nipani	dB(A)	55.0	43.9

REMARKS / OBSERVATIONS:

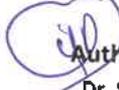
- All above results are within MPCB Limits.
- Limits: Maharashtra Pollution Control Board has prescribed 75 dB (A) as an upper limit of Noise Level during daytime & 70 dB (A) as an upper limit during night time.

Area	Category of Area	Limit dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

For MITCON Consultancy & Engineering Services Ltd.


Checked By
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Dr. Sandeep Jadhav
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Test Report

Report Number : MITCON/2024-25/October/10957

Issue Date: 04/11/2024

Client's Name & Address	Reference No.	MITCON/2024-25/October/10957/18
M/s. Alders Bio-Energy Ltd., Survey No – 284/B, A/p – Gaurgaon, Tal – Kallamb, Dist – Osmanabad.	Date of Monitoring	25/10/2024
	Type of Monitoring	DG Set Insertion loss
	Monitoring Done By	MITCON
	Time Of Monitoring	17:58 pm Hrs.

READINGS

Sr. No.	M/C Code#	Description	Test Location	Unit	Readings	Insertion loss ≥ 25 dB
01	DG S # 2	750 KVA	Inside Acoustic Enclosure	dB(A)	101.5	26.3
			Outside Acoustic Closure From 0.5 meter away	dB(A)	75.2	
02	DG S #3	400 KVA	Inside Acoustic Enclosure	dB(A)	101.7	26.7
			Outside Acoustic Closure From 0.5 meter away	dB(A)	75.0	

REMARKS / OBSERVATIONS:

- **Limits:** Maharashtra Pollution Control Board has prescribed in consent, acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standard, whichever is on higher side.

Solutions for Sustainable Tomorrow

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By
(Mrs. Kadambari Deshmukh)



Sandeep
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Dr. Sandeep Jadhav
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