

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400022

RED/L.S.I (R60)/ Rev. RED/I.S./(44.2)  
No:- Format1.0/CC/UAN No.MPCB-  
CONSENT-0000246529/CO/2509001874

Date: 18/09/2025

To,  
M/s. Sufalam Industries Limited  
Plot no: D-3, MIDC, Deori Tal: Deori, Dist: Gondiya



**Sub: Amendment in 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**

- Ref:**
1. Consent to Establish granted vide no: Format1.0/CC/UAN No.MPCBCONSENT-0000095018/CE/2204001651 dt: 24/04/2022
  2. Environmental Clearance granted vide no: IA-J-11011/528/2021-IA-II(I) dt: 25/02/2022
  3. Corrigendum in Environmental Clearance granted vide no: IA-J-11011/528/2021-IA-II(I) dt: 27/12/2023
  4. Minutes of Minutes of 3rd meeting of Technical Committee (2025-26) for assessment of application of under change in product-mix dated 14/08/2025
  5. Minutes of the 7th Consent Committee Meeting of 2025-26 w.r.t. Agenda D- Other than infrastructure Cases - held on 20/08/2025

Your application No.MPCB-CONSENT-0000246529 Dated 08.05.2025

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 30/06/2027**
2. **The capital investment of the project is Rs.146.50 Crs. (As per C.A Certificate submitted by industry )**

3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Ethanol	300	KL/D
2	Impure spirit	9.4	KL/D
3	Fusel oil	2.9	KL/D
4	CO2 Gas	224	Ton/D
5	Distillers' Dry Grain with Soluble (DDGS)	136	MT/Day
6	Co-generation Power	5	MW

(The Distillery capacity shall not exceed 300 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	1145	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	16	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	1 No. of Boiler capacity 45 TPH with 5 MW TG set	1	As per Schedule -II
2	S2	DG Set- 630 KVA	1	As per Schedule -II
3	S3	DG Set- 630 KVA	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Yeast sludge	400	Kg/Day	Drying	Use as Manure
2	CPU sludge	200	Kg/Day	Decantation	Use as Manure
3	Boiler ash	65	Ton/D	NA	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	1	MT/A	Burn in own boiler as fuel	Burn in own boiler as fuel

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. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
11. Industry shall comply with Conditions stipulated in the Environmental Clearance granted vide no: IA-J-11011/528/2021-IA-II(I) dt: 25/02/2022 & Corrigendum in Environmental Clearance granted vide no: IA-J-11011/528/2021-IA-II(I) dt: 27/12/2023
12. Entire CO2 generated after change in product mix should be bottled and sold. PP shall install adequate capacity CO2 bottling plant within 3 months period
13. Industry has proposed that after NIPL, total ethanol production from 210 KLPD distillery will be 300 KLD. Hence total alcohol production will increase from 210 KLD to 300 KLD .
14. The applicant shall comply all condition stipulated in 3rd meeting of Technical Committee (2025-26) for assessment of application of under change in product-mix.
15. This consent is issued with overriding effect of earlier consent vide Format1.0/CC/UAN No. MPCB-CONSENT-0000211870/CO/2407002382 dated 25/07/2024
16. The applicant shall make an application for renewal of consent 120 days prior to date of expiry of the consent.
17. The industry shall create an Environment Cell by appointing an Environmental Engineer OR Expert for looking after day-to-day activities related to Environment OR 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  
2025-09-18 12:26:47 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	290060.00	TXN2505006558	29/05/2025	Online Payment

**Copy to:**

1. Regional Officer, MPCB, Nagpur and Sub-Regional Officer, MPCB, Bhandara  
- 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] You have provided MEE, Dryer and CPU for treatment of the spent wash & other effluent stream.
- 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 16 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:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	1061.00
2.	Domestic purpose	18.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	909.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	00.00

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%	SO <sub>2</sub>
S1	Boiler	Electrostatic Precipitator (ESP)	60	Rice - 278 MT/D OR Coal - 216 MT/D	278 Ton/D	0.50	206.66
S2	No. 1 DG Set	Stack	5	HSD	66.8 Ltr/Hr	1.00	32.07
S3	No. 2 DG Set	Stack	5	HSD	66.8 Ltr/Hr	1.00	32.07

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 <sup>3</sup>
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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:**

<b>Sr. No</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>Amt of BG Imposed</b>	<b>Submission Period</b>	<b>Purpose of BG</b>	<b>Compliance Period</b>	<b>Validity Date</b>
1	Consent to operate	Rs. 10 Lakhs	Extend existing BG	Compliance of Consent & EC Condition.	30/06/2027	30/10/2027

**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**

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

**BG Return details**

<b>Srno.</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>BG imposed</b>	<b>Purpose of BG</b>	<b>Amount of BG Returned</b>
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

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This certificate is digitally & electronically signed.

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

To,

The Director  
SUFALAM INDUSTRIES LIMITED  
Navrang, Vasudev, Vrindavan, Jamtha, Nagpur, Maharashtra-441122

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/MH/IND2/246505/2021 dated 06 Jan 2022. The particulars of the environmental clearance granted to the project are as below.

- |  |   |
|--|---|
| 1. EC Identification No.                   | EC22A060MH144844  |
| 2. File No.                                | IA-J-11011/528/2021-IA-II(I)  |
| 3. Project Type                            | New   |
| 4. Category                                | A   |
| 5. Project/Activity including Schedule No. | 5g(a)-Grain Based distilleries for Ethanol Blended Petrol   |
| 6. Name of Project                         | Proposed setup of new grain based 210 KLPD Ethanol Distillery Unit At Village D-3, MIDC, Deori, Taluka - Deori, District - Gondia, Maharashtra State by M/S. Sufalam Industries Limited . |
| 7. Name of Company/Organization            | SUFALAM INDUSTRIES LIMITED  |
| 8. Location of Project                     | Maharashtra   |
| 9. TOR Date                                | N/A   |

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

Date: 25/02/2022

(e-signed)  
A.K Pateshwary  
Director  
IA - (Industrial Projects - 2 sector)

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

*This is a computer generated cover page.*



This has reference to your online proposal No. IA/MH/IND2/246505/2021, dated 06<sup>th</sup> January, 2022 for environmental clearance to the above mentioned project.

**2.** The Ministry of Environment, Forest and Climate Change has examined the proposal to the project proposed establishment of new grain based 210 KLPD Ethanol Distillery Unit At Village D-3, MIDC, Deori, Taluka - Deori, District - Gondia, Maharashtra State by M/s. Sufalam Industries Limited.

**3.** All grain based distilleries producing ethanol, solely to be used for Ethanol Blended Petrol Programme of the Government of India are listed at S.N. 5(ga) of Schedule of Environmental Impact Assessment (EIA) Notification, 2006 amendment vide S.O 2339 dated 16<sup>th</sup> June 2021 under category 'B-2' and are appraised at Central Level by Expert Appraisal Committee (EAC).

**4.** The project proposal is exempted from obtaining ToR & conducting Public Hearing as per EIA notification, 2006 amendment vide S.O 2339 dated 16<sup>th</sup> June 2021. It was informed that no litigation is pending against the project.

**5. The details of products and capacity are as under: -**

<b>Description</b>	<b>Unit</b>	<b>Total</b>
<b>Distillery Unit</b>	<b>KLPD</b>	<b>210</b>
Anhydrous Alcohol (Fuel Ethanol )	KLPD	210
Impure Spirit	KLPD	6.6
Fusel Oil	KLPD	2.0
<b>By Product</b>		
CO2	TPD	157
Distillers' Dry Grain with Soluble (DDGS)	TPD	136
Power Generation (TG set)	MW	5

**6.** Total project area is 100000 m<sup>2</sup> (24.71 acre). Industry will develop greenbelt in an area of 33.9 % i.e., 33,915 m<sup>2</sup> (8.38 acre) out of net plot area of the project.

**7.** The estimated project cost is Rs 146.50 Crore. Total capital cost earmarked towards environmental pollution control measures proposed unit will be Rs 24.35 Crores and the Recurring cost (operation and maintenance) will be about Rs 1.66 Crores per annum. Total Employment for proposed unit will be 230 (Construction phase 150 Nos & operation phase 80 Nos) persons as direct & 500-1000 persons indirect employment. Industry proposes to allocate Rs 2.19 crores towards Corporate Environment Responsibility.

**8.** There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River/ water body satbahini river flowing at a distance of approx 2.87 Km in west direction & Bagh river at a distance of approx 5.98 Km in north direction.

**9.** Total water requirement is 2198 m<sup>3</sup>/day of which fresh water requirement of 886 m<sup>3</sup>/day will be met from Nagar Panchayat Deori. Effluent of quantity 2140 m<sup>3</sup>/d (Spent wash slop 861 + Spent lees 210 + MEE Process Condensate 577 + Dryer condensate 272 + Boiler Blow down 32 + Cooling tower blow down 123 + Washing 65). Spent Wash Slops (approx. 7.36 % w/w solids) will be initially treated in decanters and the thin slops are concentrated in the Multiple Effect Evaporators (MEE) up to 30% solids (w/w). This concentrated spent wash is sent to the DWGS drier along with wet cake generated from decanters and the output is a dry powder with 90% solids and is known as DDGS and Process condensate along with blow down will be treated in Condensate Polishing Unit. The plant will be based on Zero Liquid discharge system.

**10.** Power requirement will be 4.5 MW including which will be met from 5 MW Turbine Generator set connected to 45 TPH boiler. Additionally 2 No of 500 kVA DG sets will be used as standby during power failure. Stack (height 5m.) will be provided as per CPCB norms to the proposed DG sets. Grain based distillery unit proposed to install coal/ rice husk fired boiler of capacity 45 TPH. Electrostatic precipitator (ESP) with a stack of height of 60 m will be installed to proposed 45 TPH boiler for controlling the particulate emissions within the statutory limit of 150 mg/Nm<sup>3</sup> for the proposed boilers.

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

<b>Sr. No</b>	<b>Source</b>	<b>Fuel</b>	<b>Pollutant</b>	<b>Control Equipment</b>
<b>1</b>	1 No of 45 TPH boiler	Coal or Rice Husk	PM, SO <sub>2</sub> & NO <sub>x</sub>	60 m stack height and ESP as APC Equipment shall be provided

Sr. No	Source	Fuel	Pollutant	Control Equipment
2	D. G. Sets 2 Nos of 500 kVA	HSD	PM & SO2	5m Stack Height shall be provided
3	Fermentation Unit	--	CO2	CO2 Recovery Unit

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

**Solid Waste Management**

Sr. No.	Description of waste		UOM	Quantity	Treatment	Mode of collection and disposal
1	Yeast sludge		Kg/D	400	Sludge Drying Beds	After drying, it will be sold to brick manufacturer
2	CPU sludge		Kg/D	200	Sludge Drying Beds	After drying, it will be sold to brick manufacturer
3	Boiler ash	Coal as fuel	MT/day	65	Will be sold to brick manufacturer	Will be sold to brick manufacturer
		Rice husk as fuel		56		
<b>Municipal Solid waste from Operational (80 No) workers</b>						
1	Non-Biodegradable		Kg/D	12	--	Manually collected and sold to scrap vendors
2	Bio-degradable		Kg/D	8	Composting	Used as manure

<b>Municipal Solid waste from Residential colony (20 Family 100 persons)</b>					
<b>1</b>	Non-Biodegradable	Kg/D	20	--	Manually collected and sold to scrap vendors
<b>2</b>	Bio-degradable	Kg/D	30	Composting	Used as manure

### **Hazardous Waste Management**

<b>Sr. No.</b>	<b>Description of waste</b>	<b>Category</b>	<b>UOM</b>	<b>Quantity</b>	<b>Mode of collection and disposal</b>
<b>1</b>	Spent oil	5.1	MT/A	1	Used in own boiler as fuel

**13.** As per OM dated 16<sup>th</sup> June, 2021, PP has submitted self-certification in the form of affidavit declaring that the proposed capacity of 210 KLPD will be for manufacturing of fuel ethanol only.

**14.** During the deliberations, EAC directed PP to submit an undertaking for the following commitments/information:

- a) Fresh water requirement shall not exceed 3.5 kL fresh water consumed/kL production of Ethanol.
- b) Brick manufacturing unit will be installed within the plant premises for utilization of fly ash. Coal of Sulphur content less than 0.5 % may be used during non-availability of rice husk in rainy season.
- c) Industry shall install solar power of at least 10% of its total power requirement within plant/nearby villages as a part of EMP.
- d) The proposed budget towards CER be increased to Rs. 2.50 Crores. The proposed amounts shall be equally spent on installation of solar power and on improving infrastructure of public schools in nearby villages in consultation with District Magistrate. All the proposed activities under CER shall be completed before the commencement of operations of the plant.
- e) PP shall allocate Rs. 50 Lakhs per annum Fund for occupational health and safety.

PP has submitted the desired commitments/information sought above in the form of undertaking except for points (a) & (e) which are being imposed as specific conditions.

**15.** The proposal was considered by the EAC in its 49<sup>th</sup> meeting held during 27<sup>th</sup>- 28<sup>th</sup> January, 2022 in the Ministry, wherein the project proponent and their consultant M/s Ampl Environ Pvt. Ltd presented the EMP report as per the PFR. The Committee found the EMP report complying with the PFR and recommended the project for grant of environmental clearance.

**16.** The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

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

**18.** The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

**19.** Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby **accords** environmental clearance to the project proposed establishment of new grain based 210 KLPD Ethanol Distillery Unit At Village D-3, MIDC, Deori, Taluka - Deori, District - Gondia, Maharashtra State by M/s. Sufalam Industries Limited, under the

provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under: -

**A. Specific Conditions:**

(i) As per OM dated 16<sup>th</sup> June, 2021, project falls in category B2 and the proposed capacity of 210 KLPD shall be only for fuel ethanol manufacturing as per self-certification in form of an affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.

(ii) EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project.

(iii) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. Industry shall install solar power of at least 10% of its total power requirement within plant/nearby villages as a part of EMP.

(iv) The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.

(v) Total fresh water requirement shall not exceed 3.5 kL fresh water consumed/kL production of Ethanol which will be met from Nagar Panchayat Deori. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises. Industry shall construct a storage facility of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.

(vi) The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. Brick manufacturing unit will be installed within the plant premises for utilization of fly ash. Coal of Sulphur content less than 0.5 % may be used during non-availability of rice husk in rainy season.

(vii) CO<sub>2</sub> generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.

(viii) PP proposed to allocate Rs. 50 Lakhs/annum for occupational health safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.

(ix) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.

(x) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. PESO certificate shall be obtained.

(xi) Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.

(xii) The company shall undertake waste minimization measures as below  
(a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(xiii) The green belt of 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery and it shall be completed along with the commissioning of the project. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. Development of greenbelt shall be completed along with commissioning of the project.

(xiv) PP proposed to allocate Rs. 2.50 Crores towards CER. The proposed amounts shall be equally spent on installation of solar power and on improving infrastructure of public schools in nearby villages in consultation with District Magistrate. All the proposed activities under CER shall be completed before the commencement of operations of the plant.

(xv) There shall be at least 15% of the total plant area shall be earmarked for parking of vehicles for raw materials and finished products as per CPCB norms along with the facilities of toilets, drinking water facility and restrooms; no parking to be allowed outside on public places.

(xvi) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

(xvii) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

(xviii) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

## **B. General Conditions:**

(i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

(iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions

stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

(vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

(vii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

(viii) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

(ix) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

(x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

(xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

**20.** The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

**21.** Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

**22.** Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**23.** The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

**24.** This issues with the approval of the competent authority.

**(Ashok Kumar Pateshwary)**  
**Director**

**Copy to: -**

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

**(Ashok Kumar Pateshwary)**  
**Director**  
**E-mail: ak.pateshwary@gov.in**  
**Tel. No. 24695290**

**Signature Not Verified**  
Digitally signed by A.K Pateshwary  
Director  
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