



Karnataka State Pollution Control Board
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Consent For Establishment (CFE) - (CfE-Fresh)

As per the provisions of
The Water (Prevention & Control of Pollution) Act, 1974
&
The Air (Prevention & Control of Pollution) Act, 1981

To
Trualt Bioenergy Limited Unit IV, Jalageri village, Badami-Tq, Bagalkot-Dist

for the Facility located at,
Trualt Bioenergy Limited Unit IV, SY. NO. 36/1, 36/2, 36/3, 36/4, 36/5, 37/2, 37/3, 37/4 & 37/5, Jalageri village, Badami-Tq, Bagalkot-Dist
Bagalkot

Consent Order No	PCBID	INW ID	Industry Colour/Scale	Date of Issue
CTE-343294	181935	212255	RED/LARGE	13/05/2024

This Consent is granted for the Products/ Activity/Service name indicated in the annexure along with the terms & conditions attached to this order

Validity : **12/05/2029**



ISO 9001:2015 & 14001:2015 Certified

Combined Consent Order No: CTE-343294

PCB ID: 181935

GSC No : PBXG0000202255

Date: 13/05/2024

To,

The Applicant

Trualt Bioenergy Limited Unit IV

Jalageri village, Badami-Tq, Bagalkot-Dist

Sir,

Sub: Consent to Establish under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981-reg.,

Ref: 1. CFE application submitted by the industry/organization on 03/11/2023 at Regional Office

2. Inspection of the project site by Regional Officer Bagalkote on 06/11/2023

3.Proceedings of the ECM dated

With reference to the above, Karnataka State Pollution Control Board hereby accords **Consent for Establishment** for new Activity under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 at the location indicated below subject to the following terms & conditions.

Location:

Name of the Applicant: Trualt Bioenergy Limited Unit IV

Address: SY. NO. 36/1, 36/2, 36/3, 36/4, 36/5, 37/2, 37/3, 37/4 & 37/5, Jalageri village, Badami-Tq, Bagalkot-Dist

Industrial Area: Not In I.A, Jalageri village,

Taluk: Badami, District: Bagalkot

Conditions:

1. This consent for establishment is valid up to 12/05/2029 from the date of issue.
2. The applicant shall not undertake expansion/diversification without the prior consent of the Board.
3. The applicant shall obtain necessary license/clearance from other relevant statutory agencies as required under the law.
4. This consent is granted considering the following activities:

Sr	Product Name	Applied Qty	Unit
1	co-gen power plant	10.0000	Mega Watt
2	Multi-feed distillery unit (B-Heavy molasses/ C-Heavy molasses/ Cane syrup/ Grain based) for manufacturing Ethanol / RS/ ENA/ IS	500.0000	Kilo Litres/Day

I. WATER CONSUMPTION:

1. The source of water shall be from Recycled, River and total water consumption shall be as below.

Particulars	Water consumption(KLD)
Boiler Feed	2208.0
Cooling Water	2200.0
Domestic Purpose	30.0
Manufacturing Processes	3966.0
Others	5.0
Others	210.0

II. WATER POLLUTION CONTROL:

- 1.The discharge from the premises of the applicant shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act or Rules made there under.
2. The applicant shall treat the domestic wastewater from the factory in septic tank with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be designed as per IS 2470 Part - I and Part- II
3. The applicant shall treat the domestic wastewater in the Sewage Treatment Plant (STP) as per the proposal submitted. It shall meet the standards specified in Annexure-I & shall be used on land for gardening/greenbelt within the factory premises.
4. The quantity of domestic waste water and trade effluent generated from the proposed industry shall not exceed the permitted quantity as indicated below

Discharge of effluents under the Water Act:

Sl. No.	Description	Permitted Quantity of discharge in KLD	Mode/Place of disposal
4	Boiler Feed	30.000	Refer additional conditions
5	Cooling Water	200.000	Refer additional conditions
6	Domestic Purpose	13.000	Refer additional conditions
1	Manufacturing Processes	5135.000	Refer additional conditions
2	Others	207.000	Refer additional conditions
3	Others	5.000	Refer additional conditions

5. The applicant shall treat the trade effluent in proposed ETP which consists of the following;

STP & ETP details

SINo	ETP/STP NO	ETP Code	Category Name	Capacity (Meter Cubic)	Units	Remarks
1	ETP1	CLA	P-Clarifier	442.00	1	
2	ETP1	CLA	P-Clarifier	71.00	1	Chlorination Tank
3	ETP1	CLA	P-Clarifier	40.00	1	Alkali Dosing Tank

4	ETP1	EQU	P-Equalization Tank	792.00	1	
5	ETP1	PRI	Primary	175.00	1	RO Reject B/W Tank
6	ETP1	PRI	Primary	110.00	1	RO Reject break tank
7	ETP1	PRI	Primary	380.00	1	RO Permeate Tank
8	ETP1	PRI	Primary	395.00	1	Final RO reject Tank
9	ETP1	PRI	Primary	570.00	1	Soft Water Tank
10	ETP1	PRI	Primary	919.00	1	Raw Water Tank
11	ETP1	PRI	Primary	560.00	1	Filter Feed Tank
12	ETP1	PRI	Primary	380.00	1	RO Feed Tank
13	ETP1	AER	S-AERATION TANK	700.00	1	
14	STP1	STP	Sewage Treatment Plants	25.00	1	
15	ETP1	MEE	T-Mlt. Effect Evaporator	500.00	1	
16	ETP1	TER	Tertiary	5500.00	1	CPU- 5500 KLD

6. The applicant shall ensure that the ETP will treat the effluent to the stipulated standards as indicated in Annexure-I

7. The applicant shall not discharge any effluent outside the industry premises.

8. The applicant shall provide separate flow meter for inflow & outflow of effluents through ETP and separate energy meter and shall maintain a logbook for hourly record of meter reading for the verification of inspecting officers

9. The applicant shall discharge the effluents only to the place mentioned in the Consent order.

III. AIR POLLUTION CONTROL:

1. The Source of emission, Stack height & Air Pollution Control (APC) measures shall be as specified in ANNEXURE-II.

2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

IV. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

- a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
- b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
- c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
- d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

- * dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- * A “decibel” is a unit in which noise is measured.
- * “A”, in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- * Leq: It is an energy mean of the noise level over a specified period.

V. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The applicant shall collect, treat and dispose off all solid waste generated from the process other than wastes covered under the Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016, in such manner so as not to cause environmental pollution.
2. The details of solid waste generated from the proposed plant and mode of disposal shall be as below.

Sr	Solid Waste Name/Type	Qty-Unit	Mode of Disposal
1	Ash generated from Conc. Spent wash & Bagasse	4740.0000 - M.T	OTH
2	DDGS	6600.0000 - M.T	OTH
3	Ash generated from Bagasse (during grain operation	360.0000 - M.T	OTH
4	CPU Sludge	30.0000 - M.T	OTH
5	Yeast sludge	30.0000 - M.T	OTH

VI. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDRY MOVEMENT) RULES 2016:

1. The applicant shall apply and obtain authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016, and comply with the provisions of the said Rules.

VII. GENERAL:

1. The applicant shall obtain prior permission from the competent authority for drawing of water from Surface/Ground water source and submit a copy of the same to the Board.
2. The applicant shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
3. The applicant shall not commission the proposed plant for trial or regular production unless necessary Water & air pollution control equipments are installed as specified in the Consent Order.
4. The applicant shall ensure that the treatment plant and control equipments are completed and commissioned simultaneously along with construction of the factory and erection of machineries.
5. The applicant shall not change or alter (a) raw materials or manufacturing process, (b) change the products or product mix (c) the quality, quantity or rate of discharge/emissions and (d) install/replace/alter the water or air pollution control equipments without the prior approval of the Board.
6. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc. in excess of the standards stipulated. And the industry shall immediately take appropriate corrective and preventive actions under intimation to the Board.
7. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
8. This CFE does not give any right to the Party/Project Authority/Industry to forego any other legal requirement, that is necessary for setting/operation of the plant.
9. The applicant shall furnish pointwise compliance to the conditions given under this consent for establishment along with the application for Consent to operate.
10. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration in advance an amount equal to the cost estimated by Competent Agency or Committee.
11. The applicant shall comply with all the Conditions and guidelines issued from time to time.
12. The applicant must create structure/facility for rain water harvesting and ground water recharge.
13. The applicant shall develop extensive green belt within the periphery of the plant.
14. This consent is issued without prejudice to Court Cases pending in any Hon'ble Court.

Please note that this is only consent for establishment issued to you to proceed with the formalities for establishment of the industry and does not give any right to proceed with trial/regular production. For this purpose, separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 120 days in advance of commissioning for trial production of the plant.

The receipt of this letter may please be acknowledged.

Consent Fee paid	: Rs. 1400000
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Note:

The Conditions Nil mentioned in the schedule are not applicable.

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, Bagalkote for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

ANNEXURE- II

Chi m.N o.	Chimne y attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed,in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	D.G. Sets	DG Set - 1500 KVA	30	PM,SO ₂ ,NO _x ,C O, NMHC	75,-,710,150,1 00	DIE	AEC,PRT	Before Commissioning
2	D.G. Sets	DG Set - 1500 KVA	30	PM,SO ₂ ,NO _x ,C O, NMHC	75,-,710,150,1 00	DIE	AEC,PRT	Before Commissioning
3	Boiler	Incinerati on Boiler - 125 TPH	75	PM,SO ₂ ,NO _x ,C O, NMHC	50,100,100,-,-	BAG	ESP,PRT	Before Commissioning

Additional Conditions:

1. The occupier shall comply with all the Additional Conditions and Standards stipulated in Annexure 1, A & B attached with this consent order.
2. This consent order contains 16 pages including Additional Conditions and Annexures.
3. The products with quantities, water consumption, waste water generation, mode of disposal with standards, air pollution sources with control measures mentioned in Additional Conditions attached with this order shall be considered and to be complied by the industry.
4. The CFE is issued for establishing a new Multi-feed distillery unit (B-Heavy molasses/ C-Heavy molasses/ Cane syrup/ Grain based) for manufacturing of Ethanol / Rectified Spirit/ Extra Neutral Alcohol/ Impure Spirit of capacity 500 KLPD and Co-Generation Power Plant of 10 MW.
5. In any case, the production capacity of Ethanol / Rectified Spirit/ Extra Neutral Alcohol/ Impure Spirit shall not exceed 500 KLPD.
6. The applicant shall not start the project activity until the issue of Environmental Clearance from MoEF & CC, GoI. The applicant is bound by the terms and conditions of the Environmental Clearance.



Note:

AEC,PRT : Accoustic Enclosures

ESP,PRT : E.S.P

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame or rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period.
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

FOR AND ON BEHALF OF
KARNATAKA STATE POLLUTION CONTROL BOARD

Signature Not Verified
Digitally signed by
Date: 2024.05.13 18:25:16
+05:30

ANNEXURE -1
[PCB ID: 181935]

ADDITIONAL CONDITIONS TO ACCOMPANY CONSENT FOR ESTABLISHMENT (CFE) ISSUED TO M/S. TRUALT BIOENERGY LTD., UNIT-IV, SY. NO. 36/1, 36/2, 36/3, 36/4, 36/5, 37/2, 37/3, 37/4 & 37/5, JALAGERI VILLAGE, BADAMI TALUK, BAGALKOTE DISTRICT.

A	GENERAL										
1	This Consent for Establishment (CFE) order is valid for a period of 5 years from date of issue.										
2	This CFE Order is issued from water and air pollution point of view under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act 1981.										
3	The CFE is issued for establishing a new Multi-feed distillery unit (B-Heavy molasses/ C-Heavy molasses/ Cane syrup/ Grain based) for manufacturing of Ethanol / Rectified Spirit/ Extra Neutral Alcohol/ Impure Spirit of capacity 500 KLPD and Co-Generation Power Plant of 10 MW.										
4	The applicant shall not start the project activity until the issue of Environmental Clearance from MoEF & CC, GoI. The applicant is bound by the terms and conditions of the Environmental Clearance.										
5	The project authorities shall obtain all other statutory permissions under all such Acts whichever is applicable. This consent will not prevent operation of other laws in force. Failing to comply with any such provision will attract penal action under such Acts. The project authorities shall be solely responsible for such violations. This consent should not be used to circumvent any other statutory provisions.										
B	WATER POLLUTION CONTROL										
1	The source of water is Ghataprabha River. The industry shall obtain permission from KNNL/ WRD, GoK for drawing River water. The fresh water consumption for domestic purpose shall not exceed 30 KLD. The fresh water consumption for distillery operating with various feed stocks shall not exceed the following ; <table><tr><th>Feed Stock</th><th>Fresh water requirement in KLD</th></tr><tr><td>500 KLPD Distillery using C-Heavy molasses</td><td>2372</td></tr><tr><td>500 KLPD Distillery using B-Heavy molasses</td><td>2206</td></tr><tr><td>500 KLPD Distillery using cane syrup</td><td>1847</td></tr><tr><td>500 KLPD Distillery using Grain based</td><td>2004</td></tr></table> Note: In any case, the production capacity of Ethanol / Rectified Spirit/ Extra Neutral Alcohol/ Impure Spirit shall not exceed 500 KLPD.	Feed Stock	Fresh water requirement in KLD	500 KLPD Distillery using C-Heavy molasses	2372	500 KLPD Distillery using B-Heavy molasses	2206	500 KLPD Distillery using cane syrup	1847	500 KLPD Distillery using Grain based	2004
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500 KLPD Distillery using B-Heavy molasses	2206										
500 KLPD Distillery using cane syrup	1847										
500 KLPD Distillery using Grain based	2004										
2	The industry shall provide flow meter for recording the daily fresh water consumption.										



2	The details of wastewater generation and mode of treatment shall be as follows:				
	Wastewater stream	C-Heavy Molasses	B-Heavy Molasses	Cane Syrup	Mode of treatment and disposal
	Domestic	13	13	13	Sewage shall be treated in STP of capacity 25 KLD and treated sewage shall be used for gardening within the premises.
	Laboratory	5	5	5	The lean effluents from the distillery shall be treated in CPU of capacity 5500 KLD and the treated water shall be completely recycled for process and utilities to achieve ZLD.
	Scrubber effluent	207	207	207	
	Cooling Tower blow down	200	200	200	
	Spent Lees	545	621	623	
	MEE Condensate	3563	2624	2437	
	Boiler Blowdown	30	30	30	The spent wash shall be concentrated in the MEE and the conc. Spent wash shall be burnt in the incineration boiler to achieve ZLD.
	Spent wash	4590	3102	3102	
3	In case of grain based operations, the slop of 2904 KLD shall be passed through centrifuge decanters for separation of suspended solids i.e., wet cake- 456 TPD (DWGS). The thin slop is partly recycled and balance shall be evaporated in MEE. The wet cake shall be further dried in the steam drier to get DDGS- 220 TPD. The process condensate of 2072 KLD, CT blow down of 40 KLD, Washings – 240 KLD and Boiler blow down – 58 KLD shall be treated in CPU of capacity 5500 KLD and treated effluent shall be completely recycled for process and utilities to achieve ZLD.				
4	The sewage shall be treated in STP of capacity 25 KLD and the treated sewage shall be used for gardening within the premises. The treated sewage from STP shall confirm to the standards stipulated in Annexure-A .				
5	The industry shall adopt Zero Liquid Discharge (ZLD) system for managing the effluent from the distillery unit irrespective of the raw material used.				
6	The applicant shall maintain adequate freeboard in the STP/CPU units to avoid any overflow at any point of time.				
7	The applicant is liable to upgrade / modify the treatment system, if it fails to treat the effluent to the standards stipulated by the Board.				
8	The industry shall not discharge any treated/ untreated trade effluent on-land or into nalas/ drains / water bodies at any point of time.				
C	SPENT WASH MANAGEMENT				
1	The industry shall provide impervious/lined tanks constructed above ground level for storing the Raw Spent Wash / Concentrated Spent Wash in case of emergency.				
2	There shall not be any leakages, stagnation of Spent Wash				
3	The applicant shall ensure that no spent wash /effluent is by passed on land or into water body (stream, lake, nala etc) so as to avoid surface or subsurface water pollution.				
4	The applicant shall record the quantity of spent wash and other effluents generated and maintain a record. The recorded data shall be submitted to the jurisdictional Regional Officer on monthly basis.				

5	The applicant shall synchronize the generation of spent wash, evaporation activity and incineration.																								
6	The applicant shall take all necessary measures to avoid odour nuisance both from the process and from the effluent handling.																								
7	The industry shall provide piezometer wells around Spent Wash storage tanks and monitor the ground water as per the MoEF & CC Notification No. S.O.2151, dated 17.6.2005 every month.																								
D	MOLASSES MANAGEMENT																								
1	There shall not be any leakages, stagnation of Molasses.																								
2	The applicant shall ensure that no Molasses/effluent is by passed on land or into water body (stream, lake, nala etc) so as to avoid surface or subsurface water pollution.																								
3	The applicant shall store the molasses in covered steel tanks only with proper safety measures. Dyke walls of sufficient height shall be provided around the molasses storage tanks.																								
4	The applicant shall obtain permission from the Board to dispose-off any spoiled molasses and shall be disposed-off in the manner as specified by the Board.																								
5	The applicant shall conduct leak proof test for Molasses storage Tank once in a year and submit report to the Board.																								
E	AIR POLLUTION CONTROL																								
1	The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in Annexure-B where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.																								
2	If there is going to be any new air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.																								
3	Stipulated chimney height and air pollution control devices shall be installed to all the sources to meet the desired emission standards before commissioning of the industry.																								
E	SOLID WASTE MANAGEMENT																								
1	The details of solid wastes generated and mode of disposal shall be as follows.<table><tr><th>Sl. No.</th><th>Waste category</th><th>Quantity in TPD</th><th>Mode of disposal</th></tr><tr><td>1</td><td>Ash generated from Conc. Spent wash & Bagasse (during molasses/cane syrup based operation)</td><td>158</td><td>Shall be utilized as manure</td></tr><tr><td>2</td><td>Ash generated from Bagasse (during grain based operation)</td><td>12</td><td>Shall be utilized for brick manufacturing</td></tr><tr><td>3</td><td>DDGS</td><td>220</td><td>Shall be utilized as cattle feed</td></tr><tr><td>4</td><td>CPU Sludge</td><td>1</td><td>Shall be dried and used as manure</td></tr><tr><td>5</td><td>Yeast sludge</td><td>1</td><td>Shall be dried and used as manure</td></tr></table>	Sl. No.	Waste category	Quantity in TPD	Mode of disposal	1	Ash generated from Conc. Spent wash & Bagasse (during molasses/cane syrup based operation)	158	Shall be utilized as manure	2	Ash generated from Bagasse (during grain based operation)	12	Shall be utilized for brick manufacturing	3	DDGS	220	Shall be utilized as cattle feed	4	CPU Sludge	1	Shall be dried and used as manure	5	Yeast sludge	1	Shall be dried and used as manure
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5	Yeast sludge	1	Shall be dried and used as manure																						
2	The applicant shall provide closed shed / silos for storage of solid wastes to prevent fugitive emissions.																								
3	The applicant shall provide all-round wind breaking walls around the bagasse yard and conveyor system for feeding of bagasse to the boiler.																								

4	The applicant shall provide all-round garland drain around the bagasse yard with collection and pumping arrangement to CPU for leachate generation if any during rainy season.
F	HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES 2016:
1	The industry shall obtain authorization under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016 and shall comply with the provisions of the said rules.
2	The applicant shall provide closed shed for storage of hazardous and other wastes.
G	SELF MONITORING AND REPORTING
1	The applicant shall carryout environmental monitoring during construction phase in the frequency as given below. a) Ambient Air Quality – As per NAAQ Standards b) Ambient Noise Monitoring– Once in a month c) Ground water quality in and around the project site – once in 3 months
2	The industry shall ensure continuous operation and connectivity of Online Continuous Emission Monitoring System (OCEMS) for boiler stacks for Particulate Matter & Flow parameter and shall be connected to CPCB and SPCB server as per CPCB directions. The specification/ sensor used in online continuous monitoring system shall be in accordance with CPCB specification. The applicant shall calibrate these systems from time to time according to equipment supplier specification through labs recognized under the Environment (Protection) Act, 1986 or NABL accredited laboratories.
3	Online flow meters with data recording facility which should be transmitted online to CPCB and SPCB shall be installed at the raw spent wash generation line and the concentrated spent wash line connecting to the final storage lagoon/tank before incineration. For distillery plants having advanced integrated multiple effect evaporators where concentrated spent wash is being directly generated, new meters with similar specification shall be installed with data connectivity to CPCB and SPCB at the concentrated spent wash line connecting to the final storage lagoon/tank before incineration and at the alcohol production line for assessment of concentrated spent wash generation ratio.
4	The cameras should be IP camera with PAN, TILT Zoom, 5x or above focal length with night vision capability and should be installed at relevant locations of incineration area and final spent wash storage lagoon/Conc. Spent Wash storage tank, as applicable. The camera feed should be integrated with all camera controls (pan, zoom, tilt) and shown on central platform, where data on other parameters (effluent monitoring/flow-meters/emission monitoring) is displayed/submitted. The camera feed shall be provided without pre-requirement of any plug-in software for data display or data submission and shall be available in the Google chrome browser.
5	The industry shall carry out the analysis of various prescribed effluent/soil/ground water quality parameters from the MoEF & CC recognised/accredited laboratories.
H	GENERAL CONDITIONS:
1	The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. The storm water shall not be allowed to mix with the effluents



2	The noise levels measured at the boundary of the industry shall not exceed the prescribed limits of 75 dB (A) leq. during day time and 70 dB (A) leq during night time respectively.
3	The applicant shall carryout intensive plantation / green belt development as per the EC conditions.
4	The applicant implement solar power harvesting in parking area, on buildings and open areas to meet 15 % of the total power requirement through solar power.
5	The applicant shall implement scientific storm water management plan for the complete industrial premises. The industry shall harvest rain water from the roof top of the buildings and storm water drains to recharge the ground water and reuse the same for process/utilities / green belt development so as to conserve fresh water. The applicant shall construct a storage pond of 60 days capacity for collection and use of rainwater.
6	The industry shall comply with Plastic Waste Management Rules, 2016 (with up to date amendments), E- Waste Management Rules, 2016 (with up to date amendments), Bio-medical Waste Management Rules, 2016 (with up to date amendments) and Battery Waste Management Rules, 2022.
7	The industry shall submit half yearly compliance report to the Board on or before 30 th October for the period April- September and 30 th April for the period October - March.
8	The industry shall metal all the internal roads to avoid dust emissions.
9	The applicant shall obtain insurance under Public Liability Insurance Act 1991 and also pay equivalent premium to the Environment Relief Fund (ERF) as per the said Act and submit copy of the policy to the Board.
10	The industry shall carry out awareness activities on environmental Protection among employees and community.
11	Non-compliances to the conditions stipulated, Board has the right to withdraw the consent.
12	The applicant shall submit compliance report to the conditions stipulated in this consent order within 30 days.


SENIOR ENVIRONMENTAL OFFICER
17 CATEGORY & E-GOV CELL


ANNEXURE-A

DISCHARGE STANDARDS FOR SEWAGE TREATMENT PLANT

Sl. No.	Characteristics	Standards
1	pH	6.5 to 8.5
2	BOD, mg/l (3 days at 27 ^o C)	< 10
3	TSS, mg/l	< 10
4	COD, mg/l	< 50
5	Ammonical Nitrogen, mg/l	< 5
6	Total Nitrogen, mg/l	< 10
7	Faecal coliform, MPN	<100/100 ml


SENIOR ENVIRONMENTAL OFFICER
17 CATEGORY & E-GOV CELL



ANNEXURE -B

DETAILS OF AIR POLLUTION SOURCES AND APC MEASURES TO BE PROVIDED

Chimney No.	Chimney attached to	Minimum chimney height to be provided	Constituent to be controlled in the emission	Tolerance limits mg/Nm ³	Air pollution control equipment to be installed
1	DG Set 1500 KVA Set – I	30 m AGL	Refer note below	Refer note below	Acoustic enclosure
2	DG Set 1500 KVA Set – II	30 m AGL	Refer note below	Refer note below	Acoustic enclosure
3	Incineration Boiler- 125 TPH (Bagasse + Con. Spent wash)	75 m AGL	PM	150	Electrostatic Precipitator

Note:

1. Air Pollution Control measures as above shall be provided and operated at all times.
2. AGL – Above Ground Level, ARL- Above Roof Level, PM- Particulate Matter.
3. The emission standards for DG Set 1500 KVA :
 - (a) NO_x (as NO₂) (AT 15% O₂), dry basis, in ppmv < 710
 - (b) NMHC (as C) (at 15% O₂), mg/Nm³ < 100
 - (c) PM (at 15% O₂), mg/Nm³ < 75
 - (d) CO (at 15% O₂), mg/Nm³ < 150


SENIOR ENVIRONMENTAL OFFICER
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