



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010
Phone. No.0866-2463200, Website : www.appcb.ap.nic.in

RED CATEGORY
CONSENT & AUTHORIZATION ORDER

Consent Order No : APPCB/VSP/VSP/331/HO/CFO/2020- 24/06/2020

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. EID Parry (India) Limited, (Distillery Division),
R. Sy. No. 289 to 399,
Sankili (V), Regidi Amadalavalasa (M),
Srikakulam District, Andhra Pradesh.
E-mail: nagaseshreddya@parry.murugappa.com

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i. Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1.	Process and washings	400 KLD	Shall be treated in the ETP & MEE. MEE concentrate shall be disposed as fuel in 15 TPH incineration boiler. Condensate shall be reused in the process. Ash generated from the Boiler shall be sold as fertilizer.
2.	DM Plant/softener Re-Generation	45 KLD	Shall be treated in RO plant. RO Permeate shall be utilized for molasses dilution and cooling tower makeup. Rejects from the RO shall be utilized for existing bio-compost or further treatment in standalone evaporation system.
3.	Cooling tower	22 KLD	
4.	Boiler	25 KLD	
5.	Domestic Effluents	4 KLD	Septic tank followed by soak pit.
Total		496.0 KLD	

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow
1.	Attached to 1 x 15.0 TPH Incineration Boiler	---
2.	Attached to 1 x 10.0 TPH Fluidized Bed Boiler (stand by)	22,600
3.	Attached to Fermenter	---

iii) HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 6 (2)]:

M/s. EID Parry (India) Limited, (Distillery Division), R. Sy. No. 289 to 399, Sankili (V), Regidi Amadalavalasa (M), Srikakulam District, Andhra Pradesh is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

- HAZARDOUS WASTES WITH RECYCLING OPTION:

S.No	Name of the Hazardous waste	Stream	Quantity of Hazardous waste	Method of disposal
1.	Used Oil	5.1 of Schedule - I	100 LPM	Shall be routed through M/s. APEMCL so as to sent to APPCB authorized agencies for Re-processing/ Recycling.

- Other wastes

S.No	Name of the waste	Quantity	Method of disposal
1.	Yeast sludge	2.5 TPD	Shall be utilized as organic manure.

This consent order is valid for manufacturing the following products along with quantities indicated only:

Sl.No	Name of the Products and By-products	Quantity
1.	Anhydrous Ethanol or Extra Natural Alcohol (any one at any Time)	40.0 KLD
2.	*Formulation of Hand Sanitizer	10 TPD
By-products		
3.	Organic Compost	18858.0 TPA
4.	Impure Spirit	65.0 TPM
5.	Fusel Oil	2.65 TPM
6.	Potash Fertilizer	65 TPD
7.	K-ASH	20.0TPD
8.	Captive Power	1.06 MW

* There shall not be any additional production of Ethanol or ENA due to formulation of hand sanitizer.

This order is subject to the provisions of 'the Acts' and the Rules' and orders made there under and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the **31.10.2021**.

DR.

B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB

To

M/s. EID Parry (India) Limited, (Distillery Division),

R. Sy. No. 289 to 399,

Sankili (V), Regidi Amadalavalasa (M),

Srikakulam District, Andhra Pradesh.

E-mail: nagaseshreddya@parry.murugappa.com

Copy to :

1. The JCEE, Zonal Office, **Visakhapatnam** for information and necessary action.
2. The Environmental Engineer, Regional Office, **Srikakulam** for information and necessary action.

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
8. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises

without obtaining prior permission of the State Pollution Control Board.

9. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
10. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
11. The industry may explore the possibility of tapping the solar energy for their energy requirements.

SCHEDULE-B

1. The industry shall handover the original Amendment Consent order No. APPCB/VSP/VZN/173/CFO/HO/2018 dated 03.04.2018 which is valid upto 31.10.2021 to the RO, Srikakulam after receipt of this order and the same stands cancelled from the date of receipt of this order.
2. Odour nuisance was observed within the premises of bio methanisation plant, which needs to be controlled. The industry shall take necessary measures to abate smell nuisance and additional measures taken shall be submitted to RO, Srikakulam by 01.07.2020.
3. Not setup 2 ambient AAQ monitoring stations in the downwind directions as well as where maximum GLC of SPM, SO₂ and NO_x are anticipated. The industry shall install the stations by 08.07.2020.
4. The industry has to provide storm water drains along the new evaporation plant and incineration Boiler and also a provision has to be made for collection and for treatment in ETP by 08.07.2020.
5. The industry has to provide cladding for crusher and vibratory screen to avoid fugitive dust emission by 01.07.2020
6. The industry shall not store coal openly. Coal stocks if any shall be kept in closed shed by 08.07.2020.
7. Leakages from conveyor belt provided at bottom of bag filters to be arrested by 08.07.2020
8. The industry has not yet commissioned online stack monitoring system to the 15 TPH boiler, which shall be commissioned by 01.07.2020
9. The industry proposes to use coal also as fuel along with the spent wash concentrate which may attract EIA notification. The industry shall apply to MoEF&CC immediately and get clarification regarding applicability of EC and submit the same to APPCB by 08.07.2020.
10. The industry has stocked huge quantity of bio-compost in the bio-compost yard and covered with tarpaulins., the industry shall use the same by 08.07.2020.
11. The industry has to improve housekeeping in the plant premises by 08.07.2020..
12. The industry shall maintain PLT cameras to the bio-compost yard & ZLD system as per the CPCB guidelines and the same shall be connected to APPCB & CPCB servers.

WATER POLLUTION:

14. There shall not be any waste water discharge outside the industry premises.
15. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below :

Sl. No.	Purpose	Quantity
1.	Process and Washings	400.0 KLD
2.	Cooling tower make up and RS dilution	200.0 KLD
3.	DM plant/ Softener Regeneration	45.0 KLD
4.	Boiler feed	240.0 KLD
5.	Domestic	5.0 KLD
	Total	890.0 KLD

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

16.The industry shall maintain flow meters preferably Electro Magnetic flow meters with totalisers for water and effluent quantity measurements for different streams of effluents and different categories of water usage stipulated in this order.

17.The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	Emission Standards
1	Particulate Matter	50 mg/Nm ³

18.The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter sizelessthan10µm)-100µg/m³; PM_{2.5} (ParticulateMattersizelessthan2.5µm)-60 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Daytime (6 AM to 10 PM) - 75 dB(A)

Night time (10 PM to 6 AM) - 70 dB(A)

19.The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE / CFO of the Board.

20.No effluents shall be stored in unlined lagoons.

21.The industry shall utilize 700 KLD of hot water from sugar plant.

22.The industry shall use fresh water for the distillery unit only during non-operational days of sugar unit.

23.RO permeate shall be re-used in process or in cooling tower make-up.the industry shall not dispose RO permeate to the outside the factory premises.

24.The industry shall carryout the bio- compost only on the lined area only as per the CPCB guidelines.

25.There shall not be any percolation of effluents from storage tanks / bio- compost area into ground water. The industry shall ensure piezo-meters locations as per CPCB guidelines and maintain piezo-meters properly for ground water quantity monitoring around the compost yard and the distillery plant and submit monthly reports to the RO-Srikakulam.

26.The industry shall maintain a log register to record the energy meter readings pertaining to the operation of the Air Pollution Control Equipments and maintain a log register to record the breakdown of the Air Pollution Control equipment.

27.The industry shall operate MEE, ETP consisting of UASB, Aeration tank, Primary Clarifier, and RO plant continuously with required flow measuring meters and with proper records. All the units of the ETP shall be made impervious to prevent ground water pollution.

28.The industry shall maintain holding tank of at least 3 days capacity to store the effluents in case of breakdown of ETP shall be made impervious to prevent ground water pollution.

29.The industry shall provide interlocking system for air pollution control provided

- with raw material feeding system so that the feeding of raw material would be stopped in case the air pollution control equipment fails.
- 30.The industry shall comply with the conditions stipulated in CFE order No. APPCB/VSP/VZN/173/HO/ CFE/2006 dated 18.08.2019 and EC order dated 25.02.2015.
 - 31.The industry shall comply with directions issued by the Board from time to time.
 - 32.The applicant shall submit environment statement in Form-V before 30th September every year as per Rule No. 14 of E (P) Rules, 1986 and amendments thereof.
 - 33.The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble court of law.
 - 34.The industry shall not manufacture new products & shall not exceed the consented quantity mentioned in this order.
 - 35.The drums containing chemicals / solvents shall be stored under a roof on elevated platform with a provision to collect leakages / spillages in the collection pit.
 - 36.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details (ER-1 Central Excise Returns).
 - b. Quantity of Effluents generated, treated, recycled/reused and disposed to CETP.
 - c. Log Books for pollution control systems.
 - d. Characteristics of effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
 - 37.The industry shall comply with the Standard Operating Procedure (SoP) formulated by CPCB for Bio-composting operations.
 - 38.The industry shall submit AAQ monitoring reports conducted by Authorised Agency every month.
 - 39.The industry shall develop green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry. Existing green belt shall not be disturbed during the proposed activity. The industry shall maintain thick green belt of width 15 m. along the industry boundary and 25 m. width around bio compost yard.
 - 40.The industry shall comply with CPCB directions dated 05.02.2014 / 02.03.2015 and guidelines issued regarding online monitoring systems issued from time to time.
 - 41.The industry shall take all safety measures and provide firefighting equipment in the plant.
 - 42.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - i. Daily production details (ER-1 Central Excise Returns).
 - ii. Quantity of Effluents generated, treated, recycled/reused.
 - iii. Log Books for pollution control systems.
 - iv. Characteristics of effluents and emissions.
 - v. Hazardous/non hazardous solid waste generated and disposed.
 - vi. Inspection book.
 - vii. Manifest copies of effluents / hazardous waste.
 - 43.Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.

SCHEDULE - C

[See rule 6(2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS

WASTES]

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorisation shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

Specific Conditions:

10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.
12. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
13. The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
14. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.

The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through NABL accredited third party.

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB

To

M/s. EID Parry (India) Limited, (Distillery Division),

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