E.I.D. Parry (India) Limited
Nellikuppam, Cuddalore District, Tamil Nadu - 607 105.
Tel : 04142-272231, 272232, Fax : 04142-272242 & 46
Regd. Office : "Dare House", 234, N.S.C. Bose Road, Chennai - 600 001, India.
CIN : L24211tn1975plc006989, Website : www.eidparry.com

To

September 25, 2024

The Joint Chief Environmental Engineer,
Tamil Nadu Pollution Control Board,
Manjakuppam
Cuddalore-01

Sir,

Sub: Environmental statement for the year 2023-24-reg.

We here by furnish the Environmental statement of Distillery division for the financial year 2023-24 in the prescribed format Form –V as on 31.03.2024.

Thanking You.

Yours faithfully,

For **E.I.D. Parry (India) Limited,**

Authorized Signatory

Encl: a.a
Cc: The District Environmental Engineer, Tamil Nadu Pollution Control Board, SIPCOT, Kudikadu, Cuddalore- 607 005

O/o. JCEE(M), TNPCB Board CUDDALORE
28/9/24

murugappa

"Environmental Statement"
Year 2023-24

September, 2024

138, KeelArungunam Road,
Nellikuppam,
Cuddalore –607 105.

FORM-V
(See rule 14)

Environmental Statement for the financial year ending the 31st March 2024

PART A

1.	Name and address of the Owner /occupier of the industry	Associate Vice President M/s. E.I.D. Parry (India) Limited.,(Distillery) 138, KeelArungunam Road, Nellikuppam, Cuddalore-607105.
	Operation or process	: 138, KeelArungunam Road, Nellikuppam, Cuddalore-607105
2.	Industry category Primary: (STC code) Secondary: (OSIC Code)	: Large : Red :
3.	Production capacity	: Distillery 75KLPD
4.	Year of establishment	: 1845
5.	Date of the last environmental Statement submitted.	: 28.09.2023

PART-B

Water and Raw material consumption.

(1) Water consumption m^3/d	: **5**
Process	: 0
Utilities	: 0
Domestic	: 5
Garden	: 0

Process water consumption per product output

NAME OF THE PRODUCTS	PROCESS WATER PRODUCT OUT PUT CONSUMPTION PER TON	
	DURING THE PREVIOUS FINANCIAL YEAR 2022-23	DURING THE CURRENT FINANCIAL YEAR 2023-24
1.RECITIFIED SPIRIT & Wash to ENA	5.18 M3/KL	5.18 M3/KL

(2) Raw material Consumption:

Consumption of raw material per Unit of out put

NAME OF THE RAW MATERIAL	NAME OF THE PRODUCTS	CONSUMPTION OF RAW MATERIAL PER UNIT OF OUTPUT	
		DURING THE PREVIOUS FINANCIAL YEAR 2022-23	DURING THE CURRENT FINANCIAL YEAR 2023-24
1.MOLASSES(MT)	1.SPIRIT(KL)	3.78 MT/KL	3.78 MT/KL

PART –C

Pollution discharged to environmental /unit of output
(Parameter as specified in the consent issued)

(1) Pollutants	Quantity of Pollutants Discharged (kg/day)	Concentration of pollutants in discharges (mg/Nm^3)	Percentage of variation from prescribed standards with reason (%)

(A) **Water** – No water pollutants are discharged to the Environment as the effluent generated is treated & recycled within the unit.

(B) Air

Boiler

1.	SPM	69.67	47
2.	SO2	33.06	22.4
3.	NOx	66.41	45

Refer Annexure-2 for analysis results of other stacks and ambient air. (March-2024)

PART- D
Hazardous Wastes

(Rules specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

Total Quantity

		During the previous Financial year (01.04.2022-31.03.2023)	During the current Financial year (01.04.2023-31.03.2024)
a) From process			
1	Used /Spent Oil in KL	0.15	Nil

PART-E

Solid Wastes

Total Quantity

	DURING THE PREVIOUS FINANCIAL YEAR 2022 -23	DURING THE CURRENT FINANCIAL YEAR 2023-24
A) FROM PROCESS	NIL	NIL
B) FROM POLLUTION CONTROL FACILITY 1.AEROBIC YEAST SLUDGE	245 T	245 T
C) 1. QUANTITY, RECYCLED OR REUTILISED WITHIN THE UNITS	245 T for dried and disposed NIL	245T for dried and disposed NIL
2.SOLD(free of cost)	NIL	NIL
3. DISPOSED		

PART-F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Waste stream and Category No.	Physical properties	Chemical Composition	Waste management
Used/spent oil- category No.5.1	Light brown Liquid	Mixture of Hydrocarbons	Recycled through authorized recycler.

PART-G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

The entire spent wash generated from the distillery plant is treated in three anaerobic digester to produce bio gas of about 38,000 to 40,000 n m3/Day which is used as fuel in the boiler for generating about 280 to 300 tons of steam per day thereby eliminating the use of fossil fuel in the boiler. The biogas boiler is operated effectively, and emissions are under control which is being continuously monitored for compliance with the standards. We have implemented online stack monitoring in our boilers and connected with care air monitoring system as per the TNPCB direction.

Extra Neutral Alcohol plant wastewater is treated in aerobic system followed by RO plant. The permeate quantity of around 120m3/day from RO Plant is used for cooling tower make up. The sludge from the aerobic treatment system is taken and dried in the drying bed and sold to farmers.

In the financial year 2013-14, we have installed and commissioned Bio Methanated Spent Wash RO plant followed by evaporator to concentrate and reduce the output effluent volume from 720 klpd to 180 klpd. The concentrated bio-methanated spent wash is further treated in the MEE followed by ATFD Dryer plant and finally we got @ 40-50 tons K-boost product and sold as fertilizer.

- Saplings were planted in company premises during the world Environment day Celebration.
- Management System, re-certification obtained for ISO 45001:2018 & ISO 14001:2015
- We have composted the dry leaves.
- Environmental awareness program was conducted

PART- H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- Enhancement of Zero Liquid Discharge System (ZLD).

PART-I

Any other particulars for improving the quality of the environment

- . We are maintaining a 3.5 acre green belt under Kurunkadu project
- Create awareness of Environmental issues and better environmental practices among employees, visitors and students through trainings, competitions etc.
- Supply of drinking water to the community