



# Encee Aromatics (P) Limited



Manufacturers of Floral Concretes / Absolutes, Essential Oils & Aroma Fine Chemicals  
2/98A Vellipalayam Road Mettupalayam 641 301 INDIA Tel : +91 4254 297777 / +91 95850 36233  
Email : enceefactory@gmail.com Website : www.encee.in CIN : U01122TZ1978PTC000805

ENCEE/Technical/604/2021-22

29.09.2021

The District Environmental Engineer  
Tamilnadu Pollution Control Board  
Coimbatore North Office,  
No.5, Ramasamy Nagar (Near Fire Service Station)  
Kavundampalayam  
Coimbatore 641 030

Dear Sir,

Sub: Submission of Annual Environmental Statement – Reg.

We are submitting herewith the Annual Environmental Statement in Form-V duly filled in for the year 2020 – 2021 for your perusal and further proceedings.

Thanking you,

Yours faithfully,

For Encee Aromatics (P) Limited

R. Murali Babu  
Director

Encl: Form-V Annual Environmental Statement

(See Rule 14)

**Environmental Statement Report for the financial year ending the 31st March, 2021**

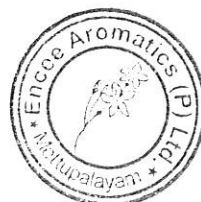
**PART-A**

- (i) Name and address of the Owner/Occupier of the Industry, operation or process : N. Krishnaswamy,  
Chairman,  
Encee Aromatics (P) Limited,  
2/98 A, Vellipalayam Road,  
Mettupalayam – 641 301
- (ii) Industry Category : Red / Large  
NIC Code (2008) : 20118
- (iii) Production capacity : 1. Ambrettolide : 24 Tons / annum  
2. Iso Butyl Quinoline : 18 Tons / annum  
3. Floral Concretes : 2.4 Tons / annum  
4. Floral Absolutes : 1.2 Tons / annum  
5. Enamber : 9.0 Tons / annum  
6. Vetiverol : 2.4 Tons / annum  
7. Vetiveryl Acetate : 2.4 Tons / annum  
8. Undecavertol : 4.8 Tons / annum  
9. Enascone : 1.8 Tons / annum  
10. Spice Extraction Concrete : 1.2 Tons / annum  
11. Spice Extraction Absolute : 0.6 Tons / annum  
12. Spice Oil (Black Pepper & Ginger) : 2.4 Tons / annum  
13. Enafran : 1.5 Tons / annum
- (iv) Year of Establishment : 1978
- (v) Date of the last environmental audit report submitted. : 29.10.2020

**PART-B**

Water and Raw Material Consumption

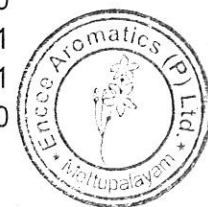
(i) Water consumption, m <sup>3</sup> / day	Previous Year (2019 - 2020)	Current Year (2020 -2021)
Process	1.40	1.245
Cooling	23.78	23.516
Domestic	4.55	4.325



Name of Product	Water Consumption per unit of product	
	During the previous financial year (2019-2020)	During the current financial year (2020 -2021)
1. Ambrettolide	2.20 Ltr	2.10 Ltr
2. Iso Butyl Quinoline	19.50 Ltr	16.30 Ltr
3. Floral Concretes	65.00 Ltr	58.00 Ltr
4. Floral Absolutes	65.00 Ltr	58.00 Ltr
5. Enamber	5.60 Ltr	5.30 Ltr
6. Vetiverol	0.00 Ltr	10.10 Ltr
7. Vetiveryl Acetate	10.20 Ltr	10.10 Ltr
8. Undecavertol	---	---
9. Enascone	---	---
10. Spice Extraction Concrete	---	---
11. Spice Extraction Absolute	---	---
12. Spice Oil (Black Pepper & Ginger)	---	---
13. Enafran	---	---

(ii) Raw Material consumption.

Name of Raw Materials	Name of Products	Consumption of Raw Material per unit of output (Tons/Ton of Product)	
		during the previous financial year 2019-2020	during the current financial year 2020 -2021
Acetic Anhydride	Ambrettolide	1.116	1.116
Britol	Ambrettolide	1.000	1.000
Caustic Potash	Ambrettolide	0.048	0.048
Glycerine	Ambrettolide	4.500	4.500
Methanol	Ambrettolide	0.159	0.159
Mono Ethylene Glycol	Ambrettolide	0.159	0.159
Shellac Powder	Ambrettolide	1.767	1.767
Sodium Methoxide	Ambrettolide	0.041	0.041
Trimethyl Ortho Formate	Ambrettolide	1.850	1.850
Toluene	Ambrettolide	0.225	0.225
Activated Carbon	Iso Butyl Quinoline	0.059	0.059
Caustic Soda	Iso Butyl Quinoline	3.125	3.125
Hydrogen Gas	Iso Butyl Quinoline	1.080m <sup>3</sup>	1.080m <sup>3</sup>
Liquid Paraffin Heavy	Iso Butyl Quinoline	1.270	1.270
Nitric Acid	Iso Butyl Quinoline	1.971	1.971
Nitro Benzene	Iso Butyl Quinoline	0.741	0.741
Oleum	Iso Butyl Quinoline	3.810	3.810



Palladium Charcoal	Iso Butyl Quinoline	0.000893	0.000893
Sodium Bicarbonate	Iso Butyl Quinoline	0.0357	0.0357
Sulphuric Acid	Iso Butyl Quinoline	3.650	3.650
Methonal	Iso Butyl Quinoline	0.417	0.417
Glycerine	Iso Butyl Quinoline	2.569	2.569
Nitrogen Gas	Iso Butyl Quinoline	2.87 m <sup>3</sup>	2.87 m <sup>3</sup>
Butyl Benzene	Iso Butyl Quinoline	1.900	1.900
Flower	Floral Concretres	370.0	370.0
Hexane	Floral Concretres	40.0 KL	40.0 KL
Liquid Paraffin	Floral Concretres	0.500KL	0.500 KL
Rectified Spirit	Floral Absolutes	4.000KL	4.000 KL
Di Acetone Alcohol	Enamber	5.720	5.720
Ortho Phosphoric Acid	Enamber	0.0525	0.0525
Sodium Sulphate	Enamber	0.024	0.024
Tri Ethyl Ortho Formate	Enamber	2.400	2.400
Anhydrous Ferric Chloride	Enamber	0.080	0.080
Sodium Chloride	Enamber	1.200	1.200
Sodium Carbonate	Enamber	0.800	0.800
Vetiveryl Oil	Vetiverol	1.538	1.538
Caustic Potash	Vetiverol	0.229	0.229
Acetic Acid	Vetiverol	0.205	0.205
Sodium Chloride	Vetiverol	0.359	0.359
Vetiveryl Oil	Vetiveryl Acetate	1.538	1.538
Acetic Anhydride	Vetiveryl Acetate	1.031	1.031
Ortho Phosphoric Acid	Vetiveryl Acetate	0.005	0.005
Sodium Carbonate	Vetiveryl Acetate	0.200	0.200
Sodium Chloride	Vetiveryl Acetate	0.359	0.359

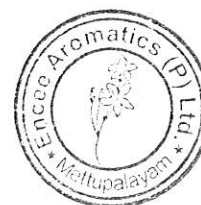
### PART-C

#### Pollution Generated

(Parameters as specified in the Consent issued)

Pollution discharged to Environment/ unit of output

Pollutant	Quantity of pollution generated	Percentage of variation from prescribed standards
(b) Water (sewage)	3.2 kl per day discharged to the septic tank with dispersion trench.	---
(b) Air	Gaseous pollutants SO <sub>2</sub> and NO <sub>2</sub> maximum generated values are 11 µgm / m <sup>3</sup> and 18 µgm / m <sup>3</sup> are well within the TNPCB's prescribed standards .	---



**PART-D**Hazardous Wastes

(as specified under Hazardous Wastes/Management and Handling Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year 2019-2020	During the current financial year 2020-2021
(a) From Process	39970	44805
(b) From Pollution Control facility (ETP)	54100	48150
(c) Quantity recycled or re-utilized.	0	0

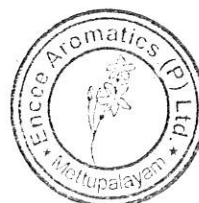
**PART-E**Solid Wastes

	Total quantity (kg)	
	during the previous financial year 2019-2020	during the current financial year 2020-2021
b) From process xxiii. Process returns xxiv. Slag	39970	44805
(b) From Pollution Control facility (ETP)	54100	48150
(c) Quantity recycled or re-utilized	—	—

**PART-F**

*Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.*

The distillation residues from the process are polymer cyclic compounds and the salt from ETP contains high water soluble inorganics. They are collected and stored within the factory premises. We have entered into an agreement with M/s.Tamilnadu Waste Management Limited for the disposal of Hazardous Waste generated in our factory utilizing their common TSDF facility at Gummidipoondi and Virudhunagar. We were accorded permission by Tamilnadu Pollution Control Board to transport the Hazardous Waste to TWML, Gummidipoondi and we are following it for disposal.



## PART-G

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

On site and handling expenses as pollution control equipment/services for the year 2020-21.

### I. Revenue nature (Rs. in lakhs)

a)	Air pollution control Expense including stores & spares	}	
b)	Environmental Monitoring	}	
c)	Water	}	
d)	Greenbelt Development	}	Rs. 34.88 Lakhs
e)	Waste water management	}	
f)	Environment statement / Survey, studies	}	
g)	Power cost	}	

**Total tonnage of Products** : 51.788 Tons

**Cost per Metric Tonne** :Rs.67,351/-

## PART-H

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

The following additional measures planned during the year 2021-22 at the cost of **Rs.55.0 lakhs** are

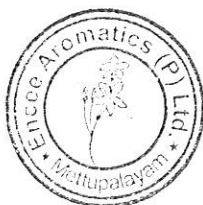
lvi)	Rural Development Programme	-	Rs. 5.0 lakhs
lvii)	Green Belt Development	-	Rs. 5.0 lakhs
lviii)	Safety measures in and around the factory	-	Rs.15.0 lakhs
lix)	Medical facilities for workers	-	Rs. 5.0 lakhs
lx)	Additional pollution control measures	-	Rs.25.0 lakhs

## PART-I


### Miscellaneous

Any other particulars for improving environment protection and abatement of pollution

It is proposed to treat floral waste water by adopting SBT technology and also to treat distillate of MEE plant in SBT treatment tower.



For ENCEE AROMATICS (P) LIMITED

  
R. Murali Babu  
Director.