



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000061112

Submitted Date

29-09-2023

PART A

Company Information

Company Name

SYNERGIA LIFE SCIENCES PVT. LTD

Application UAN number

MPCB-CONSENT_AMENDMENT-0000008086

Address

Gut No./S. No. 65, H.No.2(Pt.) Village Gatesh Budruk, Khanivali Road, Shirish Pada, Village Gatesh (Budruk) Taluka-Wada, Dist. Palghar

Plot no

Gut.No./S.No.65 , H.No.2 Paiki

Taluka

Wada

Village

Gatesh Budruk

Capital Investment (In lakhs)

3174

Scale

L.S.I

City

Plaghar

Pincode

421303

Person Name

Samir Maniar

Designation

Plant Manager

Telephone Number

9870338602

Fax Number

24055952

Email

SNRM@novozymes.com

Region

SRO-Kalyan III

Industry Category

Orange

Industry Type

O27 Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol)

Last Environmental statement submitted online

yes

Consent Number

MPCB/22/2203000002

Consent Issue Date

2022-03-03

Consent Valid Upto

2025-05-31

Establishment Year

2006

Date of last environment statement submitted

Aug 24 2022 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Vitamin K2 pure (Menaquine-7), which will be diluted as per customers demand

Consent Quantity

6000

Actual Quantity

111.42

UOM

Kg/Annum

Probiotics of 10¹⁵ CU/gm. which will be diluted as per customer demand.

2400

0.804

Kg/Annum

By-product Information

By Product Name

Used Silica Gel

Consent Quantity

20

Actual Quantity

2.146

UOM

Part-B (Water & Raw Material Consumption)**1) Water Consumption in m3/day**

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	25.00	14.30
Domestic	27.00	15.40
All others	3.00	1.70
Total	15.00	8.60
	70.00	40.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Domestic	3	2.7	CMD
Trade Effluent	10	9.1	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Vitamin K2 pure (Menaquinone-7), which will be diluted as per customers demands	5940	616.92	Ltr/A
Probiotics of 10 ¹⁵ CU/gm. which will be diluted as per customer demand.	1320	4.45	Ltr/A

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Veg Flour	72873	65825.5	
Yeast Extract	3628	4040.71	
K2HPO4	27.78	161.47	
Hydrolysed Flour	4935.7	4908.38	
NaCL	1150.44	1611.3	
Sugar IP	2893	2461.13	
MCT Oil	1548	2224	
Methylene Di-Chloride IP	3261.2	1943.8	
Sugar Pellet	2656.87	1015.31	
Hydroxypropyl Methylcellulose	187.62	83.5	
Enzyme	638.9	0	Ltr/A
PPG	1205.19	992.43	Ltr/A
Isopropyl Alcohol IP	3480	1475	Ltr/A
Liquid Nitrogen	96140	58880	Ltr/A
Silver Wire	5217	0	Nos./Y
Silver Hook	133	0	Nos./Y
Hexane	78200	55400	Ltr/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LDO	657000	604440	Ltr/A

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
Biochemical Oxygen Demand	0.04186	4.6	0	100 mg/L	NA
Chemical Oxygen Demand	0.1456	16	0	250 mg/L	NA
Oil & Grease	0	0	0	10 mg/L	NA
Total Suspended Solids	0	0	0	100 mg/L	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
Sulphur Dioxide	5.29	55	0	64.8 Kg/Day	NA
Total Particulate matter	0	36	0	150 mg/NM3	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
28.5 Date-expired products	0	0.013	MT/A
28.6 Spent organic solvents	0	0.6	KL/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	0	2.607	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Packaging material like Plastic Drum, Corrugated boxes, Glass, Metal, Scraps, Paper & Poly bags	0	26945	Kg/Annum

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Bio-degradable Waste	0	0	Kg/Annum

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Kg/Annum

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 wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
Date-Expired Chemicals	0.013	MT/A	NA
Chemical sludge from WW treatment	2.607	MT/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Date-Expired Chemicals	0.013	MT/A	NA
Chemical sludge from WW treatment	2.607	MT/A	NA

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	0	0

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Sewage Treatment Plant	Water Conservations	21.48
Upgradation of Effluent Treatment Plant	Water Conservations	223.5

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Mass tree plantation for carbon sequestration and arise as carbon neutral organization.

Name & Designation

Samir Maniar [Plant Manager].

UAN No:

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Submitted On:

29-09-2023