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	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000058978	22-09-2023

PART A

Company Information

Company Name	***Application UAN number***	
Emcure Pharmaceuticals Limited	20859000	
Address		
MIDC		
Plot no	***Taluka***	***Village***
D-24 & D-24-1	Daund	Kurkumbh
Capital Investment (In lakhs)	***Scale***	***City***
34566.99	LSI	Pune
Pincode	***Person Name***	***Designation***
413802	Bhaskar Shelke	AGM - EHS
Telephone Number	***Fax Number***	***Email***
02117305015	02117235743	Bhaskar.Shelke@emcure.co.in
Region	***Industry Category***	***Industry Type***
SRO-Pune I	Red	R58 Pharmaceuticals
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format1.0/CAC/UAN No.0000150948/CO/2303000462	06/03/2023
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
30/04/2024	2005	
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
ARV Products, Cardiovascular, CNS Products, Anti- hypertensive, Anti- cholesterol, Synthetic organic chemicals, Intermediates, Haematinic, Phytochemicals, Anti-glaucoma, Anti-Malaerial, Anti-ulcerati	720	92.03	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
00	00	00	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	243.00	86.17
Cooling	308.00	187.92
Domestic	50.00	44.17
All others	0.00	0.00
Total	601.00	318.26

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Industrial Effluent from factory	242	126.82	CMD
Sewage Effluent from Factory	42	38.96	CMD
Daily quantity of treated Effluent	284	165.78	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
ARV Products, Cardiovascular, CNS Products, Anti- hypertensive, Anti- cholesterol, Synthetic organic chemicals, Intermediates, Haematinic, Phytochemicals, Anti-glaucoma, Anti-Malaerial, Anti-ulcerati	0.0139	0.0112	M3/Anum

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
Activated carbon, CHLOROFORM, CYCLOHEXANE, DI METHYL SULPH OXIDE HYDROCHLORIC ACID, ISOPROPYL ALCOHOL ,METHANOL SODIUM CHLORIDE, SODIUM HYDROXIDE - FLAKES ,SODIUM SULPHATE ANHYDROUS, SODIUM CARBONATE	0.070	0.046	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
HSD (High Speed Diesel)	1315	14.87	Ltr/Hr
LSHS	500	13.68	Ltr/Hr
Agrowaste briquette	6570000	6302162	Kg/Annum

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		
	Quantity	Concentration	%variation	Standard	Reason
O&G	0.00	0.00	---	<10 (mg/lt)	NA
BOD	3.63	21.88	---	<30 (mg/lit)	NA
TDS	90.38	545	---	<2100 (mg/lit)	NA

Phosphate (as P)	0.15	0.89	---	<5 (mg/lit)	NA
TSS	9.95	60.00	---	<100 (mg/lit)	NA
COD	9.74	58.74	---	<250 (mg/lit)	NA
Chlorides	9.93	59.92	---	<600 (mg/lit)	NA
Sulphates	10.53	63.51	---	<1000 (mg/lit)	NA
Phenol	0.0	0.0	---	<1 (mg/lit)	NA
Zinc	0.0	0.0	---	<5(mg/lit)	NA
pH	0	7.30	---	5.5-9.00	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***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
1. Briquette Boiler Stack (S-1)- TPM	8.67	85.21	---	<150 (Mg/Nm3)	NA
2. LSHS Boiler stack (S-1) TPM	2.2387	85.21	---	<150 (Mg/Nm3)	NA
So2	1.5346	58.41	---	<240 (Kg/Day)	NA
NOx	0.00	0.00	---	<50 (Mg/Nm3)	NA
3. DG -1Stack (S2) (500KVA): TPM	0.0034	73.40	---	<150 (Mg/Nm3)	NA
SO2	0.0028	60.62	---	<192 (Kg/day)	NA
4. DG -2-Stack(S3) (1010KVA):TPM	0.0270	73.37	---	<150 (Mg/Nm3)	NA
SO2	0.0227	62.19	---	<384 (Kg/day)	NA
5. DG -3-Stack (S4) (1010KVA):TPM	0.0285	75.45	---	<150 (Mg/Nm3)	NA
SO2	0.0234	62.57	---	<384 (Kg/day)	NA
6. DG -4-Stack (S5) (1500KVA):TPM	0.0987	78.15	---	<150 (Mg/Nm3)	NA
SO2	0.0784	63.06	---	<768 (Kg/day)	NA
7. DG -5-Stack (S6) (1500KVA): TPM	0.0822	70.18	---	<150 (Mg/Nm3)	NA
SO2	0.0663	57.20	---	<768 (Kg/day)	NA
8. Scrubber Stack-1 (S7): Acid Mist	0.0578	6.96	---	<35(PPM)	NA
9. Scrubber Stack-2 (S8) :Acid Mist	0.0549	5.84	---	<35 (PPM)	NA
10. Scrubber Stack-3 (S9): Acid Mist	0.0366	4.00	---	<35(PPM)	NA
11. Scrubber Stack-4 (S10): Acid Mist	0.0404	4.23	---	<35(PPM)	NA
12. Scrubber Stack-5 (S11): Acid Mist	0.0546	6.09	---	<35(PPM)	NA
13. Scrubber Stack-6 (S12): Acid Mist	0.0257	4.14	---	<35(PPM)	NA
14. Scrubber Stack-7 (S13): Acid Mist	0.0267	5.28	---	<35 (PPM)	NA
15. Scrubber Stack-8 (S14): Acid Mist	0.0175	6.13	---	<35(PPM)	NA
16. Scrubber Stack-9 (S15): Acid Mist	0.0198	7.90	---	<35(PPM)	NA
117. Scrubber Stack-10 (S16): Acid Mist	0.0176	7.38	---	<35(PPM)	NA
118. Scrubber Stack-11 (S17): Acid Mist	0.0113	6.10	---	<35(PPM)	NA
19. Scrubber Stack-12 (S18): Acid Mist	0.0115	4.05	---	<35(PPM)	NA
17. Scrubber Stack-13 (S19): Acid Mist	0.0304	8.81	---	<35(PPM)	NA
118. Scrubber Stack-14(S20): Acid Mist	0.0148	4.73	---	<35(PPM)	NA

119. Scrubber Stack-15 (S21): Acid Mist	0.1482	7.88	---	<35(PPM)	NA
20. Scrubber Stack-16 (S22): Acid Mist	0.1502	8.08	---	<35(PPM)	NA
121. Scrubber Stack-17 (S23): Acid Mist	0.1184	5.61	---	<35(PPM)	NA
22. Scrubber Stack-18 (S24): Acid Mist	0.0777	3.95	---	<35(PPM)	NA
23.Scrubber Stack-19 (S25): Acid Mist	0.1061	5.01	---	<35(PPM)	NA
24. Scrubber Stack-20 (S26): Acid Mist	0.00	0.00	---	<35(PPM)	NA
25. Scrubber Stack-21 (S27): Acid Mist	0.0370	5.18	---	<35(PPM)	NA
26. Scrubber Stack-22 (S28): Acid Mist	0.0125	4.67	---	<35(PPM)	NA
27. Scrubber Stack-23 (S29): Acid Mist	0.0080	3.75	---	<35(PPM)	NA
28.Scrubber Stack-24(S30): Acid Mist	0.0162	2.54	---	<35(PPM)	NA
29. Dust collector stack- 1(S39): TPM	0.421	21.52	---	<150 (Mg/Nm3)	NA
30. Dust collector stack- 2(S40): TPM	0.594	24.18	---	<150 (Mg/Nm3)	NA
31. Dust collector stack- 3(S41): TPM	0.910	25.58	---	<150 (Mg/Nm3)	NA
32. Dust collector stack- 4(S42):TPM	0.706	22.34	---	<150 (Mg/Nm3)	NA
33. Dust collector stack-5(S43):TPM	0.483	21.27	---	<150 (Mg/Nm3)	NA
34. Dust collector stack- 6(S44): TPM	0.373	23.21	---	<150 (Mg/Nm3)	NA
35. Dust collector stack- 7(S45): TPM	0.483	22.89	---	<150 (Mg/Nm3)	NA
36. Dust collector stack- 8(S46): TPM	0.354	24.56	---	<150 (Mg/Nm3)	NA
37. Dust collector stack- 9(S47): TPM	0.481	21.49	---	<150 (Mg/Nm3)	NA
38. Dust collector stack- 10(S48): TPM	0.429	23.54	---	<150 (Mg/Nm3)	NA
39.Dust collector stack-11(S49): TPM	0.392	21.28	---	<150 (Mg/Nm3)	NA
40.Dust collector stack-12(S50):T PM	0.169	21.83	---	<150 (Mg/Nm3)	NA
41.Dust collector stack-13 (S51):TPM	0.153	21.81	---	<150 (Mg/Nm3)	NA
42. Fire Engine DG Pump - 100KVA (S-61): TPM	0.0005	64.83	---	<150 (Mg/Nm3)	NA
So2	0.0004	56.31	---	7.2 (Kg/Day)	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
5.1 Used or spent oil	2890	2950	Ltr/A
20.3 Distillation residues	15.841	15.081	MT/A
28.3 Spent carbon	35.438	29.037	MT/A
28.5 Date-expired products	4.522	1.246	MT/A
28.6 Spent organic solvents	2469.527	2553.242	MT/A
28.4 Off specification products	1.779	1.465	MT/A
28.1 Process Residue and wastes	0.00	0.00	MT/A
20.1 Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse.	10.193	46.140	MT/A
Other Hazardous Waste	0.00	2.170	MT/A
Other Hazardous Waste	0.00	3.04	MT/A

Mirco Biological Waste	0.00	1.157	MT/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	806.135	508.009	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Papers, Cleaned drums & Carboys, empty boxes, wooden & garbage etc.	187.32	340.4	Ton/Y
Ash from Briquette Boiler	818.64	1349.9	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
28.6 Spent organic solvents	699.012	1050.814	KL/A

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
5.1 Used or spent oil	2950	Ltr/A	Oily, Spent Oil
20.3 Distillation residues	15.081	MT/A	Semi solid, Organic residue
28.3 Spent carbon	29.037	MT/A	Semi Solid, Spent carbon
28.5 Date-expired products	1.246	MT/A	Solid/liquid waste, Date expired
28.6 Spent organic solvents	2553.242	MT/A	Liquid, spent organic solvents
35.3 Chemical sludge from waste water treatment	508.009	MT/A	Semi solid, Sludge generated from Waste water treatment
28.4 Off specification products	1.465	MT/A	Solid Powder, off specification products
28.1 Process Residue and wastes	0.00	MT/A	Semi solid, waste generated during process
20.1 Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse.	46.140	MT/A	Liquid, waste generated during process
Other Hazardous Waste	2.170	MT/A	Glasswool, Insulation & Thermocole
Other Hazardous Waste	3.04	MT/A	Battery Waste
Mirco Biological Waste	1.157	MT/A	Bio-Medical Waste

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste

Papers, Cleaned drums & Carboys, empty boxes, wooden & garbage etc.	340.4	Ton/Y	Solid, Non hazardous waste
Ash from Briquette Boiler	1349.9	Ton/Y	Solid, Non hazardous waste Ash

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)*
2022.-23	21	0.120	1876732	0	34566.99	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)*
Operating environment management systems efficiently	Replacement of Treatment system equipment's like : Air Diffusers, Pumps, Effluent storage tank, Lab equipment's, LED board at Main gate etc. & Commissioning of ATFD etc.	50

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
Operating environment management systems efficiently	Replacement of Treatment system equipment's like : RO Membranes, Sludge Dewatering system, Air Diffusers, Pumps, Effluent storage tank, Lab equipment's,	70

Part-I

Any other particulars for improving the quality of the environment.

Particulars

1. Process & yield improvement. 2. Reduction in water by recycling of ETP treated water through RO, Raw water RO reject & Boiler steam condensate to utility. 3. Reuse of recovered solvent, 4. Development & maintained green belt. 100 Nos of trees are planted in year 2022-23. Total no. of trees surviving as on 31 march-20232 are 3525 Nos. 5. Area covered under green belt is -30691SqM. 6. Cost for operation & maintenance of pollution control systems, Waste Disposal at CHWTSDF & Maintaining of gree

Name & Designation

Bhaskar Shelke- AGM- EHS

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000058978

Submitted On:

22-09-2023