



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-0000060188

Submitted Date

27-09-2023

PART A

Company Information

Company Name

M/s Cipla Ltd.

Application UAN number

0000118891

Address

Plot no D-27, Kurkumbh MIDC
Kurkumbh, Tal-Daund, Dist. - Pune
413802

Plot no

D-27

Taluka

DAUND

Village

KURKUMBH

Capital Investment (In lakhs)

21077

Scale

L.S.I.

City

PUNE

Pincode

413802

Person Name

Mr.Alipasha Saudagar

Designation

Associate. Director

Telephone Number

02117230601

Fax Number

02117235532

Email

sanjay.mohite@cipla.com

Region

SRO-Pune I

Industry Category

Red

Industry Type

R58 Pharmaceuticals

Last Environmental statement submitted online

yes

Consent Number

Format1.0/CAC/UAN No. MPCB-
CONSENT-0000118891/CO/2205000394

Consent Issue Date

2022-05-07

Consent Valid Upto

2025-04-30

Establishment Year

2007

Date of last environment statement submitted

Jan 1 1900 12:00:00:000AM

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

Product Information

Product Name

Anti-Retroviral, Anti-Inflammatory, Proton Pump Inhibitors, Anti-Diabetic, Anti-Psychotic,
Anti -Convulsant, Anti- Depressant, Anti-Hypertensive, Anti- Anginal

Consent Quantity

160

Actual Quantity UOM

21.25

MT/A

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

MT/A

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	70.00	27.08
Domestic	45.00	12.46
All others	35.00	5.69
Total	299.57	76.61

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily quantity of trade Effluent	115	46.9	CMD
Daily quantity of sewage Effluent	35	5.5	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
Anti-Retroviral, Anti-Inflammatory, Proton Pump Inhibitors, Anti-Diabetic, Anti-Psychotic, Anti -Convulsant, Anti- Depressant, Anti-Hypertensive, Anti- Anginal	592	524	Ton/Ton

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
11001376	0.291	0.104	Ton/Ton
11000106	2.967	3.854	Ton/Ton
11000107	0.073	0.0	Ton/Ton
11000934	0.675	0.241	Ton/Ton
11001336	0.090	0.306	Ton/Ton
11001352	0	0.081	Ton/Ton
11001435	0.045	0.031	Ton/Ton
11001527	0.308	0.243	Ton/Ton
11001546	0.168	0.132	Ton/Ton
11001594	0.053	0.021	Ton/Ton
11001652	0.292	2.759	Ton/Ton
11001654	4.222	3.701	Ton/Ton
11000145	1.642	1.237	Ton/Ton
11001830	0.106	0.052	Ton/Ton
11002026	14.888	18.249	Ton/Ton
11002139	0.287	0.310	Ton/Ton
11002143	0	0.334	Ton/Ton
11002415	0.737	0.534	Ton/Ton
11002626	0.037	0.014	Ton/Ton

11002639	0.546	0.195	Ton/Ton
11002894	0.237	0.164	Ton/Ton
11003042	0.154	0.906	Ton/Ton
11004537	0.115	0	Ton/Ton
11003348	1.469	0.433	Ton/Ton
11003350	0	0.178	Ton/Ton
11003374	0.052	0.024	Ton/Ton
11003376	6.973	3.805	Ton/Ton
11003411	0.249	0.346	Ton/Ton
11003419	0.052	0.018	Ton/Ton
11001539	0.045	0.164	Ton/Ton
11001809	0.032	0.012	Ton/Ton
11003199	0.323	0.148	Ton/Ton
12000084	0	0.118	Ton/Ton
12000164	0.526	0.381	Ton/Ton
12000458	0.802	0.226	Ton/Ton
12000623	0	0.014	Ton/Ton
11000121	0	0.017	Ton/Ton
12000723	0.076	0.045	Ton/Ton
12000580	0.047	0	Ton/Ton
11000121	0.023	0.017	Ton/Ton
11000140	0.054	0	Ton/Ton
11000150	0.008	0	Ton/Ton
11001019	0.064	0.043	Ton/Ton
11001541	0.015	0.004	Ton/Ton
11002109	0.002	0	Ton/Ton
11002128	19.315	0.049	Ton/Ton
11002625	0.018	0	Ton/Ton
11002627	0.016	0	Ton/Ton
11002916	0.005	0.005	Ton/Ton
11003071	0.002	0.001	Ton/Ton
11003121	0.163	0.100	Ton/Ton
11003309	0.094	0	Ton/Ton
11003373	0.018	0	Ton/Ton
11007592	0.274	1.193	Ton/Ton
11008312	0.093	0.032	Ton/Ton
11008915	10.834	11.120	Ton/Ton
11010053	0.011	0	Ton/Ton
11010978	0.010	0.004	Ton/Ton
12000033	0.040	0	Ton/Ton
12000273	0.117	0.047	Ton/Ton

12003625	0.047	0.028	Ton/Ton
12004249	0.108	0.085	Ton/Ton
12004414	0.080	0.070	Ton/Ton
12005553	0.027	0.009	Ton/Ton
11001984	24.710	25.081	Ton/Ton
11003050	0.299	0.384	Ton/Ton
12001001	2.189	0.856	Ton/Ton
11000053	0	10.732	Ton/Ton
11000740	0	0.391	Ton/Ton
11002022	0	0.185	Ton/Ton
11003352	0	0.439	Ton/Ton
11011182	0	0.103	Ton/Ton
11011393	0	0.592	Ton/Ton
12000133	0	0.537	Ton/Ton
12000605	0	0.399	Ton/Ton
12001220	0	0.106	Ton/Ton
12003097	0	0.126	Ton/Ton
12003664	0	0.451	Ton/Ton
12004745	0	0.211	Ton/Ton
12005125	0	0.118	Ton/Ton
12005588	0	0.120	Ton/Ton
12005764	0	0.055	Ton/Ton
12005584	0	0.104	Ton/Ton
12004634	0	0.085	Ton/Ton
12006138	0	0.028	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LSHS	1868.8	28.02	KL/A
HSD	360	23.02	KL/A
Thermopack (HSD)	90	0	KL/A
Furnace Oil	1642.5	79.97	KL/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		
COD(kg/Day)	1.89	40.4	84	250	Within Limit,sit havinf ZLD plant & tratd watr utilizd in utility.

BOD kg/Day)	0.44	9.4	69	30	Within Limit,sit havinf ZLD plant & tratd watr utilizd in utility.
TSS (kg/Day)	0.27	5.7	94	100	Within Limit,sit havinf ZLD plant & tratd watr utilizd in utility.
TDS (kg/Day)	8.72	186.0	91	2100	Within Limit,sit havinf ZLD plant & tratd watr utilizd in utility.

[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		
DG Set TPM	1.89	36.3	76	150	Within Limit
FO Boiler TPM	7.66	44	71	150	Within Limit
FO Boiler SO2	32.16	184	55	405	Within Limit
DG Set SO2	6.9	132.7	67	405	Within Limit

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	0.68	0.278	KL/A
28.3 Spent carbon	0.115	0.593	MT/A
28.5 Date-expired products	1.87	0.414	MT/A
28.6 Spent organic solvents	1062.9	1190.571	KL/A
37.1 Sludge from wet scrubbers	0.22	0.02	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	315	491	Nos./Y
28.4 Off specification products	1.450	2.49	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	10.265	24.71	MT/A
37.3 Concentration or evaporation residues	47.5	98.1	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Wooden scrap,Glass scrap,Platic scrap,Metal Scrap	109.25	92.08	MT/A

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
0	0	0	MT/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	0.278	KL/A	Sale to Auth.party/Recycler/CHWTSDF
28.3 Spent carbon	0.593	MT/A	Send to CHWTSDF
28.4 Off specification products	2.49	MT/A	Send to CHWTSDF
28.5 Date-expired products	0.414	MT/A	Send to CHWTSDF
28.6 Spent organic solvents	1190.571	KL/A	Sale to Auth.party/Recycler
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	491	Nos./Y	Sale to Auth.party/Recycler
35.3 Chemical sludge from waste water treatment	24.71	MT/A	Send to CHWTSDF
37.1 Sludge from wet scrubbers	0.02	MT/A	Send to CHWTSDF
37.3 Concentration or evaporation residues	98.1	MT/A	Send to CHWTSDF
Other Hazardous Waste	1.62	MT/A	Battery waste send to authorized party
Other Hazardous Waste	2.37	MT/A	E-waste send to authorized recycler
Mirco Biological Waste	0.0036	MT/A	Biomedical waste send to CBWTF (Calender year Qty.)

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
0	0	MT/A	--

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)
Energy Saving in Chiller primary and condenser pump interlocking with Brine chiller CHB-202	0	0	0	13320	4.3	0
Learning room AHU operation optimization by providing on delay timer	0	0	0	6684	01	0
Decluttering of ventilation units	0	0	0	189168	01	0

QC 2x36 watt CFL fitting replacement with 36 watt LED fitting	0	0	0	6996	01	0
Pump rating optimization for VTD 201 and VTD 202 HWT system.	0	0	0	9960	01	0
2*12 Watt LED retrofitting in place of 2*18watt CFL fitting at technical area at API -I, crystallization area, DT area, and technical area	0	0	0	2376	01	0
Primary pump of Brine chiller stopped and by gravity it is feed to brine chiller condenser	0	0	0	53904	0	0
Contract demand reduction from 2400 KVA to 2000KVA	0	0	0	2880.00	0	0
Solar streetlight saving	0	0	0	12264.0	0	0
Brine chiller : VFD for brine chiller of 110KW / 76 TR	0	0	0	102600	19	0
Process water system-201 Reject water taken for Cooling tower	1	0	0	0	0.18	0
Activated Glass Media filter back wash water utilization to Cooling tower makeup	1.5	0	0	0	0.57	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)
VTFD Plant shaft replacement	To run plant smoothly and maintain ZLD facility	32
Fire Hydrant line provided for Hazaardous watsse storage area	Environment Protection	2.0
API-II cooling tower fan motor VFD installation	Energy conversion	8
Drum storage area modification	Improve drum storage area	1.25

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
MVRE plant for E2 stream	To reduce steam consumption	146
API-II Effluent receiving tank retrofitting work	Environment Protection	5.0
Volute Plant	To maintain ZLD facility and minimize energy consumption	18

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Celebrated World Environment Day and planted 55 Nos .Neem tree.in D-27 premises and total trees 6915.total plot area is 16 (Ha) and total green belt area is 5.84 (Ha)Training provided to employees on various environmental standards to enhance the awareness among the employee

Name & Designation

Sanjay.Mohite,Deputy Manager

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000060188

Submitted On:

27-09-2023