



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-0000059049

Submitted Date

23-09-2023

PART A

Company Information

Company Name

Cipla Ltd.

Application UAN number

0000083451

Address

Plot No.- D-7/8 ,MIDC Kurkumbh
,Tal-Daund,Dist. Pune ,
Pincode-413802

Plot no

D-7

Taluka

Daund

Village

Kurkumbh

Capital Investment (In lakhs)

348.3 Crs.

Scale

LSI

City

Pune

Pincode

413802

Person Name

Amol Sarmandal

Designation

Site Head

Telephone Number

02117230100

Fax Number

02117230100

Email

deepak.bhosale@cipla.com

Region

SRO-Pune I

Industry Category

Red

Industry Type

R58 Pharmaceuticals

Last Environmental statement submitted online

no

Consent Number

Format1.0/CAC/UAN No.MPCB-
CONSENT-0000118866/CO/2205000393

Consent Issue Date

2022-05-07

Consent Valid Upto

2023-04-30

Establishment Year

1994

Date of last environment statement submitted

Sep 24 2023 12:00:00:000AM

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

Product Information

Product Name

Anti-Inflammatory, Anti-Retroviral/ anti Bacterial, Anti Diabetic, Anti- Psychotic, Cardiac, Braonchidilator, Anti Emetic, Bone resorption Inhibitor, Anti-Parkinsonian, Sedative, Anti-Obesity

Consent Quantity

158.4700

Actual Quantity

74.79

UOM

MT/A

Tablets, Capsules, Soft Gelatin Product, Suppositories, Oral Paste & Sachets

22882

21640.4

Lac Nos./Annum

By-product Information

By Product Name

Consent Quantity

Actual Quantity

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	313.50	193.00
Domestic	260.00	160.00
All others	84.00	52.00
Total	200.00	123.00
	857.50	528.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Quantity of Trade Effluent	328.2	110.37	CMD
Daily Quantity of Sewage Effluent	70	46.60	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
API (bulk drug)	639	381	Ton/Ton
Formulation	0	64	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
11000020	0.0142	0.0257	Ton/Ton
11000053	0.00002	0.00012	Ton/Ton
11000120	0.0020	0.0014	Ton/Ton
11000121	0.0216	0.0257	Ton/Ton
11000153	0.0311	0.0201	Ton/Ton
11000205	0.0023	0.0015	Ton/Ton
11000772	0.0003	0.0004	Ton/Ton
11000797	0.0003	0	Ton/Ton
11001020	0.0061	0	Ton/Ton
11000106	1.4109	1.9871	Ton/Ton
11001046	0.0013	0.0004	Ton/Ton
11001353	0.0003	0.0001	Ton/Ton
11001594	0.0127	0.0286	Ton/Ton
11001809	0.0007	0.0010	Ton/Ton
11000251	0.0025	0.0050	Ton/Ton
11002440	0.0018	0.0024	Ton/Ton
11002484	0.0316	0.0265	Ton/Ton
11002628	0.0410	0.0264	Ton/Ton

11001125	7.2678	8.6288	Ton/Ton
11002639	0.0397	0.0544	Ton/Ton
11002769	0.0001	0.0000	Ton/Ton
11002836	0.0068	0.0092	Ton/Ton
11002837	0.0236	0.0247	Ton/Ton
11002874	0.0017	0.0000	Ton/Ton
11002894	0.0178	0.0285	Ton/Ton
11002908	0.0157	0.0005	Ton/Ton
11000963	0.0505	0.0187	Ton/Ton
11003042	0.1867	0.1932	Ton/Ton
11003071	0.0001	0.0022	Ton/Ton
11003078	0.2009	0.2009	Ton/Ton
11003121	0.0130	0.0173	Ton/Ton
11003350	0.0032	0.0035	Ton/Ton
11003383	0.0434	0.0698	Ton/Ton
11003394	0.0165	0.0515	Ton/Ton
11007542	0.0001	0.0004	Ton/Ton
11007592	0.0331	0.0675	Ton/Ton
12000070	0.3078	0.3050	Ton/Ton
12000019	0.0059	0.0060	Ton/Ton
12000028	0.0017	0.0021	Ton/Ton
12000030	0.0802	0.0281	Ton/Ton
12000055	0.0295	0	Ton/Ton
12000083	0.0342	0	Ton/Ton
12000277	0.0083	0.0224	Ton/Ton
12000289	0.0065	0.0150	Ton/Ton
12000290	0.0026	0	Ton/Ton
12000294	0.0368	0.0257	Ton/Ton
12000299	0.5012	0.0669	Ton/Ton
12000396	0.1604	0.1391	Ton/Ton
12000479	0.0070	0.0120	Ton/Ton
11004182	0.0922	0	Ton/Ton
11000107	0.0295	0.0285	Ton/Ton
11000202	0.1928	0.1504	Ton/Ton
11001017	0.0647	0.1212	Ton/Ton
12000480	0.0062	0.0037	Ton/Ton
12000482	0.0055	0.0043	Ton/Ton
12000499	0.0368	0.000001	Ton/Ton
12000500	0.0212	0	Ton/Ton
12000528	0.0018	0.0044	Ton/Ton
12000748	0.2382	0.3009	Ton/Ton

12000791	0.0425	0.0682	Ton/Ton
12001038	0.0191	0.0241	Ton/Ton
12002355	0.0058	0.0053	Ton/Ton
12002405	0.0001	0.0003	Ton/Ton
12002546	0.0012	0.0087	Ton/Ton
12002547	0.0035	0.0160	Ton/Ton
12003571	0.0175	0.0100	Ton/Ton
11001019	2.1369	2.2699	Ton/Ton
11006082	0.1138	0.2316	Ton/Ton
11001435	0.1323	0.1703	Ton/Ton
11001546	0.1528	0.3542	Ton/Ton
11001539	0.0421	0.0147	Ton/Ton
11001652	0.0249	0.0289	Ton/Ton
11001654	2.5076	3.3612	Ton/Ton
12003594	0.0237	0.0132	Ton/Ton
11000145	0.1623	0.2516	Ton/Ton
11001984	12.4636	13.5347	Ton/Ton
11002026	1.6638	2.7172	Ton/Ton
11002136	0.1450	0	Ton/Ton
11002417	3.1178	4.2052	Ton/Ton
11002486	0.1271	0.0948	Ton/Ton
11002766	0.0449	0.0241	Ton/Ton
11003309	0.2670	0.2626	Ton/Ton
11003411	0.0504	0.0543	Ton/Ton
11003414	0.0185	0.0336	Ton/Ton
12004395	0.0159	0.0256	Ton/Ton
12000058	0.0168	0.0106	Ton/Ton
12000060	0.0442	0.0602	Ton/Ton
11001376	2.4396	0.0683	Ton/Ton
11000272	0.0132	0.0033	Ton/Ton
11001088	0.0373	0.0387	Ton/Ton
12004425	0.3995	0.3917	Ton/Ton
11001527	0.1003	0.1166	Ton/Ton
11001644	0.0218	0.0160	Ton/Ton
11008475	0.0060	0.0060	Ton/Ton
11002125	0.0136	0.0180	Ton/Ton
11003199	0.5096	0.7799	Ton/Ton
11003348	0.1650	0.2745	Ton/Ton
11000024	0.0002	0.0001	Ton/Ton
11000030	0.0066	0.0016	Ton/Ton
11010053	0.0062	0	Ton/Ton

11000002	0.0071	0.0214	Ton/Ton
11000053	0.0212	0.0000001	Ton/Ton
12000055	0.0295	0	Ton/Ton
11000072	0.0037	0.000003	Ton/Ton
12000088	0.0099	0.0024	Ton/Ton
12004825	0.0001	0.000010	Ton/Ton
11000121	0.0216	0.0257	Ton/Ton
11000120	0.0020	0.0014	Ton/Ton
12000120	0.0272	0.0343	Ton/Ton
11000150	0.0011	0	Ton/Ton
11000153	0.0311	0.0201	Ton/Ton
11000205	0.0023	0.0015	Ton/Ton
12000139	0.0018	0.000001	Ton/Ton
12004445	0.0009	0.0101	Ton/Ton
11000247	0.0013	0.0101	Ton/Ton
11000248	0.0037	0.0043	Ton/Ton
11000251	0.0025	0.0050	Ton/Ton
11000272	0.0132	0.0033	Ton/Ton
12004755	0.0043	0.0259	Ton/Ton
11000785	0.0009	0.0001	Ton/Ton
11000949	0.0103	0.0186	Ton/Ton
11000963	0.0366	0.0134	Ton/Ton
11000998	0.0008	0	Ton/Ton
11000999	0.0506	0.0112	Ton/Ton
11000965	0.0082	0	Ton/Ton
12005236	0.0000	0	Ton/Ton
11001025	0.0079	0	Ton/Ton
12000242	0.0401	0	Ton/Ton
12000240	0.0630	0	Ton/Ton
11010375	0.0000	0.00003	Ton/Ton
12000243	0.0496	0	Ton/Ton
12000251	0.0010	0	Ton/Ton
11009325	0.0416	0.0530	Ton/Ton
12004966	0.0007	0	Ton/Ton
12004365	0.0014	0.0004	Ton/Ton
12005005	0.0015	0	Ton/Ton
12003685	0.0032	0.0017	Ton/Ton
11001541	0.0032	0	Ton/Ton
11010052	0.0006	0	Ton/Ton
11009793	0.0034	0.0190	Ton/Ton
11001986	0.0060	0	Ton/Ton

11002002	0.0156	0	Ton/Ton
11002145	0.0166	0.0105	Ton/Ton
11002415	0.0051	0.0042	Ton/Ton
12000462	0.0328	0	Ton/Ton
11004602	0.0000	0	Ton/Ton
11002429	0.0002	0	Ton/Ton
11002433	0.0001	0.0001	Ton/Ton
11002437	0.0008	0	Ton/Ton
11002442	0.0051	0.0012	Ton/Ton
12005088	0.0005	0.0013	Ton/Ton
11002582	0.0000	0.00001	Ton/Ton
11002625	0.0027	0	Ton/Ton
11002643	0.0016	0.0004	Ton/Ton
11002645	0.0000	0.00066	Ton/Ton
11002627	0.0024	0	Ton/Ton
11002655	0.0001	0.00003	Ton/Ton
11010455	0.0001	0.0002	Ton/Ton
11002716	0.0330	0.0206	Ton/Ton
12004225	0.0007	0.0011	Ton/Ton
12004926	0.0014	0	Ton/Ton
12004987	0.0009	0	Ton/Ton
12004925	0.0006	0	Ton/Ton
12004986	0.0004	0	Ton/Ton
12000244	0.0861	0	Ton/Ton
12003026	0.0006	0.0008	Ton/Ton
12005047	0.0000	0.00002	Ton/Ton
12005049	0.0000	0.00001	Ton/Ton
12005411	0.0000	0.00003	Ton/Ton
12005050	0.0001	0.00001	Ton/Ton
12005046	0.0000	0.00002	Ton/Ton
12003578	0.0035	0.0013	Ton/Ton
11010042	0.0007	0.0009	Ton/Ton
11002901	0.0000	0.00001	Ton/Ton
11002908	0.0157	0.0005	Ton/Ton
11002916	0.0000	0.00001	Ton/Ton
11003010	0.0001	0.0001	Ton/Ton
12000489	0.0259	0.0000	Ton/Ton
12000490	0.0052	0.0000	Ton/Ton
12000491	0.0088	0	Ton/Ton
12000743	0.0028	0	Ton/Ton
12000740	0.0005	0	Ton/Ton

12000744	0.0003	0	Ton/Ton
12000742	0.0005	0	Ton/Ton
11003204	0.0159	0.0151	Ton/Ton
11003348	0.1650	0.1590	Ton/Ton
11003376	2.3453	2.7726	Ton/Ton
11003408	0.0060	0.000002	Ton/Ton
11008922	0.0014	0.0127	Ton/Ton
11010457	0.0001	0.0002	Ton/Ton
12000806	0.0011	0.000001	Ton/Ton
12004937	0.0001	0.0001	Ton/Ton
12004936	0.0001	0.0001	Ton/Ton
12004086	0.0053	0.0050	Ton/Ton
12004085	0.0042	0.0040	Ton/Ton
11004650	0	0.0813	Ton/Ton
11011048	0	0.0264	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Furnace Oil	1642.5	236.208	KL/A
HSD (DG)	288	64.497	KL/A
HSD (Thermopack)	60	3.059	KL/A
Biomass Briquette	12448	5546.1	MT/A
LSHS	952.65	81.376	MT/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)	4.06	25.8	90	250	Within Limit, Our facility having ZLD Plant & treated water utilized in Utilities
BOD (Kg/day)	1.12	7.1	76	30	Within Limit, Our facility having ZLD Plant & treated water utilized in Utilities
TDS (Kg/day)	14.56	92.8	96	2100	Within Limit, Our facility having ZLD Plant & treated water utilized in Utilities

[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		

Briquette Boiler TPM	10.44	39.17	74	150	Within Limit
Thermopack TPM	0.9	43	72	150	Within Limit
DG set TPM	0.9	39.94	73	150	Within Limit
LSHS Boiler TPM	10.28	34.63	77	150	Within Limit
Thermopack SO2	1.3	60	63	3.5	Within Limit
DG Set SO2	3.57	155.91	93	52.2	Within Limit
LSHS Boiler SO2	6.46	21.78	88	177	Within Limit
Briquette Boiler SO2	2.93	11	92	136.4	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	3.805	3.075	KL/A
20.2 Spent solvents	972.393	1322.049	KL/A
28.3 Spent carbon	2.200	4.161	MT/A
28.5 Date-expired products	42.991	53.83	MT/A
28.6 Spent organic solvents	31.804	27.662	KL/A
28.6 Spent organic solvents	1792.03	1997.46	KL/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	995	1331	Nos./Y
37.1 Sludge from wet scrubbers	3.67	14.820	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	15.17	15.980	MT/A
37.3 Concentration or evaporation residues	258.959	290.612	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, Plastic Scrap, Metal Scrap	245.2	247.9	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	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	3.075	KL/A	Sale to Auth.party/Recycler/CHWTSDF
20.2 Spent solvents	1322.049	KL/A	Sale to Auth.party/Recycler/CHWTSDF
28.3 Spent carbon	4.161	MT/A	Send to CHWTSDF
28.5 Date-expired products	53.83	MT/A	Send to CHWTSDF
28.6 Spent organic solvents	27.662	KL/A	Sale to Auth.party/Recycler/CHWTSDF
35.3 Chemical sludge from waste water treatment	15.980	MT/A	Send to CHWTSDF
37.1 Sludge from wet scrubbers	14.820	MT/A	Send to CHWTSDF
37.3 Concentration or evaporation residues	290.612	MT/A	Send to CHWTSDF
28.6 Spent organic solvents	1997.46	KL/A	Sale to Auth.party/Recycler/CHWTSDF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1331	Nos./Y	Sale to Auth.party/Recycler/CHWTSDF

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)
Replacement of Existing CT Fan with E-Glass Epoxy FRP Fan 4 no's cooling tower	0	0	0	14256	4	0
Power optimization in centrifugal air compressor by optimizing the blow off valve opening	0	0	0	18600	0	0
HVAC chiller set point to be reviewed- Currently 5.5 to 6°C, can be set to 7 to 7.5°C	0	0	0	36000	0	0
Installation of VFD on EB & SB and pressure balancing by reduction of RPM.	0	0	0	1512	2.45	0
At BD IV, Ultrafiltration plant back wash stopped due to post pre-RO treatment of potable water	2.1	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

<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
Old VTFD Replaced with new VTFD	For Smooth Operation of ETP & Maintaining ZLD unit	59

[B] Investment Proposed for next Year

<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
New STP plant installtion	For maintaining & separation of sewage effluent from E1 Effluent.	87.00

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Celebrated WED and planted 80nos of trees. Total surviving trees-8090. total plot area- 204976 sq. mtr and total green belt area - 70943 sq. mtr. training conducted on various environmental standards to enhance the awareness among the employees.

Name & Designation

Deepak Bhosale, Dy Manager EHS

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000059049

Submitted On:

23-09-2023