PharmaZell (India) Private Limited
Plot No. B5 & B6, MEPZ, Tambaram,
Chennai - 600 045. Tamil Nadu, India
Phone : 044 2262 6261 / 62 / 63
Mail id : pipl@axplora.com

ISO 9001
ISO 14001
&
ISO 45001
Certified

axplora
Reliable partner. Agile explorer.

28th August 2026

To

The District Environmental Engineer,
The Tamilnadu Pollution Control Board,
Maraimalai Adigalar Street,
Maraimalai Nagar – 603 209,
Chengalpattu District.

Dear Sir,

Sub: Environmental Statement for the Financial Year Ending on 31st March 2026 for **Unit - I**

With reference to the above, please find enclosed herewith the Environmental Statement in **FORM V** duly filled for the financial year ending on 31st March 2026 for our Unit – I (Plot No. B5 & B6) MEPZ, Tambaram, Chennai – 600 045.

Kindly acknowledge the receipt.

Thanking you

Yours faithfully
For PharmaZell (India) Private Limited

R. Vijay
DGM - HSE



Encl: a/a

PHARMAZELL (INDIA) PRIVATE LIMITED, UNIT- 1

Plot No. B5 & B6, MEPZ, Tambaram.

Chennai – 600045.

FORM-V

(See Rule -14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE 31st MARCH 2026

PART-A

(i)	Name and address of the Owner/ occupier of the industry operation or process	Mr.M.Sukumar Pharmazell (India) Private Ltd, Unit- 1 Plot No. B5 & B6, MEPZ, Tambaram Chennai – 600 045		
(ii)	Industry Category Primary : - (STC Code) Secondary: - (STC Code)	RED		
(iii)	Production capacity :- per annum	**Product**	**Consent capacity (T)**	**Production quantity (T)**
		1. L-Cysteine HCL Mono	900	746.2
		2. L-Cysteine HCL Anhy	499.2	41.4
		3. Carbocisteine	600	588.7
(iv)	Year of establishment	1995		
(v)	Date of the last environmental statement submitted	30.09.2025		

PART – B

WATER AND RAW MATERIAL CONSUMPTION

(i) WATER CONSUMPTION KL / DAY

Process	-	83
Cooling	-	77
Domestic	-	12
Boiler	-	14

PHARMAZELL (INDIA) PRIVATE LIMITED, UNIT- 1

Plot No. B5 & B6, MEPZ, Tambaram.

Chennai – 600045.

NAME OF THE PRODUCTS	PROCESS WATER CONSUMPTION PER UNIT OF PRODUCT OUTPUT	
	DURING THE PREVIOUS FINANCIAL YEAR	DURING THE CURRENT FINANCIAL YEAR
(i) Cysteine HCL Mono	0.5 Kl / Ton	0.5 Kl / Ton
(ii) Cysteine HCL Anhydrous	0.5 Kl / Ton	0.5 Kl / Ton
(iii) Carbocisteine	18 / Ton	18 / Ton

(ii) RAW MATERIAL CONSUMPTION

NAME OF THE PRODUCTS	NAME OF THE RAW MATERIALS	CONSUMPTION OF RAW MATERIAL PER UNIT OF OUTPUT	
		DURING THE PREVIOUS FINANCIAL YEAR	DURING THE CURRENT FINANCIAL YEAR
(i) Cysteine HCL Mono	HCL L-Cystine	1280 Lts/Ton 750 Kgs/Ton	1280 Lts/Ton 750 Kgs/Ton
(ii) Cysteine HCL Anhydrous	HCL L-Cystine	1460 Lts/Ton 1120 Kgs/Ton	1460 Lts/Ton 1120 Kgs/Ton
(iii) Carbocisteine	HCL NaoH Cy.HCL MCA	800 Lts/Ton 1860 Lts/Ton 1120 kgs/Ton 650 Kgs / Ton	800 Lts/Ton 1860 Lts/Ton 1120 kgs/Ton 650 Kgs / Ton

PHARMAZELL (INDIA) PRIVATE LIMITED, UNIT- 1

Plot No. B5 & B6, MEPZ, Tambaram.

Chennai – 600045.

PART – C

POLLUTION DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT

(a) Water Analysis Carried out by TNPCB – Marimalainagar

S.NO	POLLUTANTS	QUANTITY OF POLLUTANTS DISCHARGED, (Mass/Day) (Kg/Day)	CONCENTRATIONS OF POLLUTANTS IN ZLD RO PERMEATE (Mass/Volume) (mg/lit)	PERCENTAGE OF VARIATION FROM PRESCRIBED STANDARDS WITH REASONS
1	pH @ 25°C	Completely Recycle to Utility System through Zero Liquid Discharge Plant	7.59	-
2	Total Suspended Solids (TSS) @ 105°C		2	
3	Total Dissolved Solids (TDS) @ 180°C		320	
4	Chlorides as Cl		108	
5	Sulphate as SO4		45	
6	Oil & Grease		-	
7	BOD & 27°C 3 days		3	
8	COD		48	
9	Ammonical Nitrogen as NH3-N		-	

(b) Air Stack Monitoring Carried out by TNPCB & External Party

S.No	Description of Chimney / Stack	CONCENTRATIONS OF POLLUTANTS DISCHARGED (Mass/Volume) (mg/m3)			QUANTITY OF POLLUTANTS DISCHARGED, (Mass/Day) (Kg/Day)			PERCENTAGE OF VARIATION FROM PRESCRIBED STANDARDS WITH REASONS
		SPM	SO2	NOX	SPM	SO2	NOX	
1	Boiler	24	29	147	2.83	3.52	17.66	-
2	DG Stack	0.048 (g/kw-hr)	14.66	1.025 (g/kw-hr)	8.76	0.01	185.20	
3	Scrubber	7.6	-	-	4.6	-	-	

PHARMAZELL (INDIA) PRIVATE LIMITED, UNIT- 1

Plot No. B5 & B6, MEPZ, Tambaram.

Chennai – 600045.

PART – D

HAZARDOUS WASTES

(As Specified Under Hazardous Wastes (Management, Handling and Transboundary Movements) Rules, 2016)

S.NO	HAZARDOUS WASTES	TOTAL QUANTITY (kgs)	
		DURING THE PREVIOUS FINANCIAL YEAR	DURING THE CURRENT FINANCIAL YEAR
a.	**From Process**		
1	5.1, Used/Spent oil	1820	1540
2	5.2, Waste /residues containing Oil	22	10
3	28.1, Process Residue and wastes	332450	342760
4	28.3, Spent carbon	50410	60490
5	28.4, Off-Specification products	0	30
6	28.5, Date Expired products	1480	5580
7	33.1, Discarded Barrels/liners	0	0
b.	**From Pollution Control Facilities**		
1	35.3, Chemical sludge	1680	46500
2	35.3 Chemical Sludge (collection and storage)	4610	1200

PHARMAZELL (INDIA) PRIVATE LIMITED, UNIT- 1

Plot No. B5 & B6, MEPZ, Tambaram.

Chennai – 600045.

PART –E

SOLID WASTES

S.NO	SOLID WASTES	TOTAL QUANTITY (kgs)	
		DURING THE PREVIOUS FINANCIAL YEAR	DURING THE CURRENT FINANCIAL YEAR
a.	**From Process**		
1	Packing Materials	18700	21500
2	PVC drums & Carbouys	900	1200
b.	**From Pollution Control Facilities**		
1	Nill	Nill	Nill
c.	**1. Quantity recycled or re-utilized within the unit**		
	PVC drums & Carbouys	900	1200
2. Sold			
1	Packing Materials	18700	21500
3. Disposed (Ref Part – F)			
	Nill	Nill	Nill

PART – F

Please specify the characterizations (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

S.NO	PARAMETERS	HAZARDOUS WASTE				
		PROCESS RESIDUE	SPENT CARBON	CHEMICAL SLUDGE	DATE EXPAIRED AND DISCARDED MATERIALS	SPENT OIL
1	Solid /Semi – Solid / Slurry or Sludge	Solid	Solid	Solid	Solid	liquid
2	Percentage of Acid Solids	Not Applicable	Not Applicable	Not Applicable	Not Applicable	-
3	Bulk Density / Specific gr.	1.50	0.75	1.36	0.94	-
4	Viscosity @ 30°C	Not Applicable	Not Applicable	Not Applicable	Not Applicable	-
5	Calorific Value (Kcal /kg)	1826	4937	1202	4487	-
6	pH @ 29.6 Deg	6.95	5.6	7.41	5.63	-
7	Loss of Ignition @ 550 Deg C (%)	75.32	79.1	33.1	87.2	-
8	Composition of matter	Extractable Organics-<1%, Water Soluble organic -2.10%, Water Soluble	Extractable Organics-<1%, Water Soluble organic -	Extractable Organics-<1%, Water Soluble organic - <0.96%, Water Soluble	Extractable Organics-1.48%, Water Soluble organic -0.96%, Water Soluble	Arsenic - <1ppm, Cadmium (cd) +Chromium (Cr)+ Nickel (Ni)-79 ppm, Lead-<1, PAH-

		inorganic – 0.65%, Total Chloride – NA, Fluorides - NA	<0.1%, Water Soluble inorganic – <0.1%, Total Chloride – 0.76, Total Fluorides - <0.1	inorganic – <3.18%, Chloride –NA Total Fluorides -NA	inorganic – 1.48%, Total Chloride – 0.62%, Total Fluorides - <0.1%	<1, PCB - <1, Sediment – 0.26%, Sulfur - <1%, Total Halogens – 63 ppm. Water- 0.28%
9	Mode of Disposal	Safe Disposal to co processing / Cement Kiln	Safe Disposal to co processing plant/Cement Kiln	Safe Disposal to co processing plant	Safe Disposal to co processing plant	Recycling

PART – G

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

Energy Conservation studies conducted and implemented as below:

1. Reduction of water consumption in production activity resulting in reduction of 25% water consumption and effluent generation
2. Established third party solar power purchase to meet out 90% of power consumption through green source and there by reduced the carbon foot print. Around 2000 TPA CO2 emission reduction estimated.
3. Solar power panel of 80kWp capacity was installed and made operational
4. Replaced the CFL lamp to LED Energy Efficient lamps
5. Water conservation through segregation and collection of steam condensate and return to Boiler

PART – H

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

1. Retrofitting of MEE to MVR technology to reduce steam consumption and there by reduction of CO2 emission and diesel consumption.
2. Reducing the motor capacities in utility sections based on the calculated load.

PHARMAZELL (INDIA) PRIVATE LIMITED, UNIT- 1

Plot No. B5 & B6, MEPZ, Tambaram.

Chennai – 600045.

PART – I

Any other particulars for improving the quality of the environment:

1. Commitment to SBTi for reducing CO2 emissions with interim goals of 2030 and net zero goal by 2050
2. Effective utilization of resources and thereby building up a sustainable environment which will be in line with the LiFE (Life style for environment) initiative by GoI

DATE: 28/08/2026