



**HETERO INFRASTRUCTURE SEZ LTD.**  
Ch. Lakshmipuram (Vill)  
N.Narasapuram (Village), Rajayyapeta (Vill),  
Nakkapalli (Mandal),  
Anakapalli (Dist) - 531 081., A.P., INDIA.  
Tel : +91 8931 227307, Fax: +91 8931 227200

**Letter No: HIS/EHS/APPCCB/2023-24/17**

**30<sup>TH</sup> September 2023**

**The Environmental Engineer  
Regional Office  
Andhra Pradesh Pollution Control Board  
Visakhapatnam**

Dear Sir

**Sub : Submission of Environmental Statement in Form-V of M/s Hetero  
Infrastructure SEZ Ltd, for the Financial Year 2022-2023 – Regarding**

**Ref : APPCCB/VSP/219/CFO/HO/2010 Dated .15/02/2023**

With reference to above, we are here with submitting the environmental statement in Form-V for the financial year 2022-2023 for your information and perusal.

Kindly acknowledge the receipt of the same.

Thanking You Sir,

Yours Faithfully

**For Hetero Infrastructure SEZ Ltd.**

  
20/09/2023

**S. Kullayi Reddy  
Associate Vice President - EHS**

Enclosures: As above



3.10.23

**Corporate**

7-2-A2, Industrial Estates, Sanath Nagar, Hyderabad-500 018. Telangana, India  
T: +91 40 23704923 / 24 / 25, Fax : +91 40 23704926, 23714119

[www.hetero.com](http://www.hetero.com)

## **PROFILE**

**M/s. HETERO INFRASTRUCTURE SEZ Ltd**, obtained EC & consent for establishment for setting up of 17 manufacturing facilities for producing Bulk Drug intermediates & APIs and also got Consent for operation for the same SEZ. Out of 17 permitted units, Hetero constructed following 03 units in Hetero Infrastructure SEZ Ltd,

- Hetero Drugs Ltd, Unit-IX (Plot No:1)
- Hetero Labs Ltd, Unit-IX (Plot No: 2 & 3)
- Honour Lab Ltd, Unit-III (Plot No:4)

All above mentioned units are producing Bulk Drugs & API and all these products are being manufactured on Regular basis. Manufacturing of the products is being undertaken as per the consent conditions.

Hetero Infrastructure is providing services like Water, Steam, Effluent Treatment Plant, Sewage Treatment plant, Vermi Compost plant, Scrap Yard, Hazardous waste management etc to all the above mentioned units.

Apart from above mentioned units, the other unit Hetero Labs Ltd, Unit-III is making use of these facilities of Hetero Infrastructure SEZ Ltd as per the CFE & CFO.

### **Salient features of M/s. Hetero Infrastructure SEZ Limited**

Total Site Area	340 Acres
Built up Area	180 Acres
Area of Green Belt Developed	100 Acres
Area available for Green Belt Development	50 Acres
Year of Establishment	2010
Year of Commissioning	2011
Capital Cost	120 Crores
Type of plant	Facilitator for Bulk Drug Manufacturing units
Water Consumption as on date	242 KLD
Investment on Pollution Control	
• Capital Investment	100 Crore
• Recurring O & M	300 Lakhs/annum
Employment	300

**MINISTRY OF ENVIRONMENT AND FORESTS NOTIFICATION**  
New Delhi, the 22<sup>nd</sup> April 1993  
(PART II, SECTION 3, SUB-SECTION (1))

**"FORM - V"**  
**ENVIRONMENTAL STATEMENT FOR**  
**THE FINANCIAL YEAR ENDING THE 31<sup>ST</sup> MARCH 2023**

**PART – A**

Name and address of the owner/  
Occupier of the industry, operation  
Or process : **Dr. C. Mohan Reddy, Director**  
7-2-A2, Hetero Corporate,  
Industrial Estate  
Sanathnagar  
Hyderabad -500018

Registered Office Address : **M/s. Hetero Infrastructure SEZ Ltd,**  
7-2-A2, Hetero Corporate  
Industrial Estate  
Sanathnagar  
Hyderabad -500018  
Tel: 040- 23704923/24/25

Works address : **M/s. Hetero Infrastructure SEZ Ltd,**  
N.Narsapuram (V),  
Nakkapally (Md),  
Visakhapatnam Dist - 531081.

Industry Category : Red.

Production Capacity : NA (Only Services)

Month and Year of Establishment : 2010.

Date of Last Environmental Statement  
Submitted : September 2022

**PART-B**  
**Water and Raw Material Consumption**

S.No	Water Consumption	Water Consumption (m <sup>3</sup> /day)	
		Quantity (KL/day) Including power plant	Quantity (KL/day) Including power plant
1.	Process & Washing	-	-
2.	Cooling tower Make up	-	-
3.	Boiler Feed	242	246
4.	Domestic	-	-
5.	Raw water RO make up	-	-
<b>Total</b>		<b>242</b>	<b>246</b>

### **PART-C**

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

	Quality of Pollutants discharged (mass/day)	Concentrations of Pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons.
1.Ambient Air Quality	<b>Analysis Report Enclosed</b>		Within the limits
2.Stack Emissions			
3.Noise levels			
4.Effluent			

### **PART-D**

#### **HAZARDOUS WASTES**

(As specified under 1[Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008])

Hazardous Wastes	Total Quantity (Kg.)	
	During the previous financial Year (2021-22)	During the current financial Year (2022-23)
Forced Evaporation Salts	1676.84	2358T
ETP Sludge	47.46	54.68T
Incinerator Ash	0	9.92T

### **PART-E**

#### **Solid Wastes**

Solid waste	Total Quantity	
	During the previous financial year (2021-22)	During the current financial year (2022-23)
Boiler ash	9418 Tons	9079 Tons

### **PART-F**

**Characteristics in terms of Composition and quantum of hazardous as well as solid wastes and the disposal practices adopted by them**

Fly Ash from Boiler : To Brick Manufacturers  
Spent Carbon from Process : To TSDF , Parawada / Cement Industries  
Forced Evaporation Salts : To TSDF , Parawada  
Organic Residue : To TSDF , Parawada and Cement Industries

## **PART-G**

### **Impact of the pollution abatement measures taken on Conservation of natural resources and on the cost of production.**

The industry has adopted following measures for the conservation of natural resources:

- Sea water Desalination Plant for meeting the water requirement of the industry.
- Sewage Treatment Plant for reuse of Domestic wastewater for gardening purposes.
- Usage of vermicomposting for green belt and grounding purpose as a replacement for chemical fertilizers.
- Green belt Development for abatement of pollution

The industry adopted all possible pollution control measures (Common Facility located at M/s Hetero Infrastructure SEZ Ltd) which includes Equipment's for Conservation of energy, Effluent Treatment Plants (Stripper, MEE, ATFD Bio-tower & Dual stage aerobic Treatment plant based on ASP), Sewage Treatment plants, Equipments for controlling fugitive emissions (Scrubbers, Condensers) for the abatement of pollution. To avoid any chances of ground water/ Soil contamination, the industry has constructed all above Ground tanks for ETP, STP etc.

Further the industry has installed 03 nos of Continuous Ambient Air Quality Monitoring (CAAQM) stations for monitoring the quality of the air, Online effluent monitoring system (OEMS) for various parameters to check the quality of treated effluents being disposed into Sea, Portable & online VOC meters for measuring organic vapours concentration in and around factory area.

## **PART-H**

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

The industry has already invested around Rs. 100.00 Crores towards installation of pollution control devices in Hetero Infrastructure SEZ Ltd and developed green belt in and around the factory Premises in an area of more than 40% of the total area of the Industry. Green belt consists of various plants like Ganuga, Neem, Almond, Silver oak, Plintoform, casurina, Eucalyptus and Conacorpous etc.

All installed Pollution control equipments are periodically evaluated and necessary modifications/replacements are being made for improvement in their performances from time to time as and when required irrespective of Budget allocations.

**The industry proposed to invest additional amount of Rs 100 crore towards installation of new 1.2 MLD Effluent Treatment plant and associated facilities.**

## **PART-I**

### **Any other particulars for improving the quality of the environment**

- Increasing the greenbelt area by planting more plants, lawns, bushes etc.
- Industry is maintaining good housekeeping, mitigating fugitive emissions, reducing spills of raw material by taking all possible measures.
- Recovering of solvents from the effluents in stripper thereby reducing the organic vapours entry into the atmosphere and effective biological treatment.
- Rainwater harvesting by collecting complete run off in an open pond for recharging of ground water as well as for reuse.
- Captive power generation of 6.1 MW in connection to the existing 45 TPH Boiler.
-

## **CONCLUSION**

**Hetero Infrastructure SEZ limited** is taking all possible measures for the abatement of pollution and certain steps are in consideration for workplace improvement and cost reduction. The following are the pollution abatement measures taken by the industry:

Taking all steps required to assure low emission levels, without any prejudice to the quantum of production.

1. Utilization of domestic wastewater discharges for development of greenery after treating in Sewage Treatment Plants.
2. Giving due importance to the greenery and ultimately taken care in abating the pollution.
3. Rainwater harvesting by way of collecting rainwater in a pond created by the industry
4. Online instruments for monitoring the pollution levels in and around factory premises.
5. Operating Effluent Treatment Plant (Common) for bringing the pollution levels well within the norms of the Board.
6. Regular monitoring of air, water, effluent and Ground water by third party once in a month to keep watch on the pollution levels.

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**SV ENVIRO LABS & CONSULTANTS Environmental  
Engineers & Consultants in Pollution Control**

Enviro House, B-1, Block - B, IDA  
Autonagar, Visakhapatnam  
Phone: 9440338628

Email: info@svenviolabs.com

( Recognized by GOI, Ministry of Environment & Forests )

( An ISO 9001 Certified and NABET Accredited for EIA )



**Ref Code** : SVELC/HISEZL/23-03/001 **Date** : 21-03-2023  
**Name and Address** : **M/s. HETERO INFRASTRUCTURE SEZ LIMITED,**  
N.Narasapuram Village, Nakkapally Mandal,  
Visakhapatnam (Dt).

**Sample Particulars** : Effluent Analysis

**Source of Collection** : ETP OUTLET

**Sample Code** : SVELC/23/EFF/0299

**Date of Collection** : 11-03-2023

**Date of Receipt** : 11-03-2023

**TEST REPORT**

S No	Parameter	Unit	Result	Method	Standard
1	pH	-	7.74	APHA 4500-H+B, 23 <sup>rd</sup> Ed,2017	5.5-9.0
2	Suspended Solids, SS	mg/l	13.0	APHA 2540-D, 23 <sup>rd</sup> Ed,2017	100
3	Total Dissolved Solids, TDS	mg/l	1246	APHA,2540-C,23 <sup>rd</sup> Ed, 2017	-
4	Chemical Oxygen Demand(COD)	mg/l	153	APHA 5220-B, 23 <sup>rd</sup> Ed,2017	250
5	BOD 3d 27°C	mg/l	54.0	IS 3025 Part 44	100
6	Chlorides as Cl <sup>-</sup>	mg/l	358	APHA,4500-Cl B,23 <sup>rd</sup> Ed, 2017	1000
7	Oil & Grease	mg/l	1.4	APHA,5520-D,5-38,23 <sup>rd</sup> Ed, 2017	10
8	Sulphide as S	mg/l	0.19	APHA,4500S <sup>2</sup> D, 23 <sup>rd</sup> Ed,2017	2.0
9	Phenolic compounds (C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.04	APHA,5530-C, 23 <sup>rd</sup> Ed,2017	1.0
10	Cyanide as CN	mg/l	BDL	APHA,4500-CN- E , 23 <sup>rd</sup> Ed,2017	0.2
11	Hexavalent chromium as Cr <sup>+6</sup>	mg/l	BDL	APHA,3500-Cr B , 23 <sup>rd</sup> Ed,2017	0.1
12	Lead as Pb	mg/l	BDL	APHA,3120-B , 23 <sup>rd</sup> Ed,2017	0.1

**Note: BDL denotes Below Detectable Level**

  
**ANALYZED BY**



  
**SV ENVIRO LABS & CONSULTANTS**



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**Ref Code** : SVELC/HISEZL3/23-03/002 **Date** : 21-03-2023

**Name and Address** : **M/s. HETERO INFRASTRUCTURE SEZ LIMITED,**  
N. Narasapuram Village, Nakkapally Mandal,  
Visakhapatnam (Dt).

**Sample Particulars** : Stack Monitoring

**Source of Collection** : 45 TPH Boiler Chimney

**Sample Code** : SVELC/23/SE/0300

**Date and Time of Start** : 11-03-2023 11:30 hr

**Duration of Sampling** : 60 MINS

## TEST REPORT

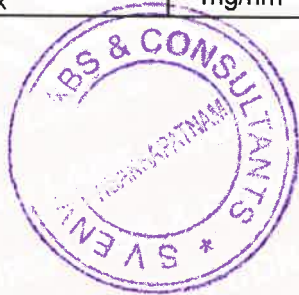
### STACK DETAILS

S.No	Description	Unit	Result
1	Pitot Coefficient	-	0.87
2	Specific Gravity of Fluid	-	1.0
3	Temperature @ DGM	°C	34
4	Stack Temperature	°C	149
5	Nozzle Diameter	mm	10
6	Exit Velocity	m/sec	7.61
7	Duration of Sampling	minutes	60
8	Fuel Used	-	Coal

### EMISSION DATA

S.No	Parameter	Unit	Result	Method	Standard
1	Particulate Matter – PM	mg/nm <sup>3</sup>	60.1	IS:11255 – P-1	115
2	Sulphur Dioxide – SO <sub>2</sub>	mg/nm <sup>3</sup>	63.4	IS:11255 – P-2	-
3	Oxides of Nitrogen – NO <sub>x</sub>	mg/nm <sup>3</sup>	48.6	IS:11255 – P-7	-

*[Signature]*  
ANALYZED BY



*[Signature]*  
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**Ref Code** : SVELC/HISEZL3/23-03/003 **Date** : 21-03-2023

**Name and Address** : **M/s. HETERO INFRASTRUCTURE SEZ LIMITED,**  
N. Narasapuram Village, Nakkapally Mandal,  
Visakhapatnam (Dt).

**Sample Particulars** : **NOISE LEVELS**

**Date of Collection** : 11-03-2023

## TEST REPORT

### STACK DETAILS

S.No	Source of Collection	Noise Levels measured in dB(A)	
		Day	Night
1	Near Stores Area	66.1	59.6
2	Near D- Block Area	64.8	57.5
3	Near Scrubber Area	67.7	60.4
4	Near Production Block	69.1	62.8
5	Near Solvent Area	63.8	58.2
6	Near Canteen Area	61.7	52.4
<b>CPCB STANDARDS</b>		<b>75.0</b>	<b>70.0</b>



**SV ENVIRO LABS & CONSULTANTS**