



HETERO INFRASTRUCTURE SEZ LTD.

Ch. Lakshmipuram (Vill.), N. Narasapuram (Vill.), Rajayyapeta (Vill.), Nakkapally (Mandal)
VISAKHAPATNAM (Dist.) - 531 081. A.P., India. Tel : 08931- 227307, Fax : 08931- 227200
E-mail : contact@heterodrugs.com. URL : http://www.heterodrugs.com.

29th September 2021

Letter No: HIS/EHS/APPCB/2021-22/07

The Environmental Engineer
Regional Office
Andhra Pradesh Pollution Control Board
Visakhapatnam

Dear Sir,

Sub: Submission of Environmental statement in Form-V for the year ending 31st March 2021-Regarding.

Reference:

1. CFO of M/s Hetero Labs Ltd, Unit-IX vide Order NO:
APPCB/VSP/VSP/219/CFO/HO/2017-, Date: 11/12/2017
2. CFE of M/s Hetero Labs Ltd, Unit -IX Vide Order No:
219/PCB/CFE/RO-VSP/HO/2010-2355, Date: 13/11/2018

With reference to the above, we are herewith submitting Environmental Statement in Form-V for the financial ending 31st March 2021 for your information and perusal.

Kindly acknowledge the receipt.

Thanking You,

Yours Faithfully
For Hetero Infrastructure SEZ Ltd

S. Kullayi Reddy

Sr. General Manager- EHS

Enclosures: As above

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 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 | 90 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 | 546.15 KLD |
| Investment on Pollution Control | |
| • Capital Investment | 100 Crore |
| • Recurring O & M | 200 Lakhs/annum |
| Employment | 300 |

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

"FORM - V"
ENVIRONMENTAL STATEMENT FOR
THE FINANCIAL YEAR ENDING THE 31ST MARCH 2018.

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 -5000082..

Registered Office Address : **M/s. Hetero Infrastructure SEZ Ltd,**
7-2-A2, Hetero Corporate
Industrial Estate
Sanathnagar
Hyderabad -5000082
Tel:3704923/24/25

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

Industry Category : Red.

Production Capacity : NA (Only Services)

Month and Year of Establishment : 2010.

Date of Last Environmental Statement
Submitted : September 2020

PART-B

Water and Raw Material Consumption

(i) Water consumption: m³/d

| S.No | Water Consumption | Quantity (KL/day) Including power plant (As per CFO) | Quantity (KL/day) Including power plant |
|--------------|-----------------------|--|--|
| 1. | Process & Washing | 837 | NA |
| 2. | Cooling tower Make up | 250 | NA |
| 3. | Boiler Feed | 330 | 310 |
| 4. | Domestic | 120 | 10 |
| 5. | Raw water RO make up | 107 | 50 |
| Total | | 1644 | 370* |

*indicates water consumption in Boilers only.

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 | Analysis Report Enclosed as Annexure-I | | 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 (2019-20) | During the current financial Year (2020-21) |
| Forced Evaporation Salts | 1807.9 Tons | 2205.4 Tons |
| ETP Sludge | 93 Tons | 53.21 Tons |
| Incinerator Ash | NIL | 6.12 |

PART-E

SOLID WASTE

| Solid waste | Total Quantity | |
|-------------|--|---|
| | During the previous financial year (2019-20) | During the current financial year (2020-21) |
| Boiler ash | ---- | 7560 Tons |

PART-F

CHARACTERISTICS INTERMS 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 Equipments 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 and installed above ground tanks for the collection of effluents at production blocks of various units.

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 for development of green belt in and around the industry. Green belt consists of various plants like Ganuga, Neem, Almond, Silver oak, Plintoform, Casurina, Eucalyptus etc.

All installed Pollution control equipments are periodically evaluated and necessary modifications/replacements are being made from time to time for improvement in their performances.

The industry is proposed to invest Rs. 60.00 Crores during 2020-21 & 2021-22 for the installation of new 1 MLD Effluent Treatment Plant.

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 by way of installing hoods & scrubbers for equalization tanks, reducing spills of effluents by taking all possible measures.
- Recovering of solvents from the strippers of CETP thereby reducing the organic vapours entry into the atmosphere.
- Rainwater harvesting by collecting complete run off of the factory 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.
- Monitoring of existing systems and upgradation as and when required.
- Proposing to construction Bio manure pits for converting the food waste into organic manure.
- Part of treated effluent is being used as cooling tower makeup water in ETP area.
- Reusing steam condensate from SRS plants, ETP etc thereby reducing the freshwater consumption.

CONCLUSION

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

1. Taking all steps required to assure low emission levels, without any prejudice to the quantum of production.
2. Utilization of domestic wastewater discharges for development of greenery after treating in Sewage Treatment Plants.
3. Using part of treated wastewater as cooling tower makeup in ETP.
4. Giving due importance to the greenery and ultimately taken care in abating the pollution.
5. Rainwater harvesting by way of collecting rainwater in a pond created by the industry
6. Online equipment (CAAQMS, CEMS and VOC) for monitoring the pollution levels in and around factory premises.
7. Operating Effluent Treatment Plant (Common) for bringing the pollution levels well within the norms of the Board.
8. Regular monitoring of air, water, effluent, and Ground water by third party once in a month to keep watch on the pollution levels.
