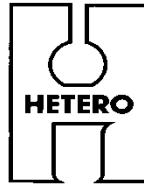


ENVIRONMENTAL STATEMENT (FORM - V)
FOR THE FINANCIAL YEAR ENDING MARCH-2016.



M/S. HETERO INFRASTRUCTURE SEZ LIMITED
N.NARASAPURAM(V),NAKKAPALLI(M)
VISAKHAPATNAM DISTRICT.

SUBMITTED TO :
ANDHRA PRADESH POLLUTION CONTROL BOARD,
REGIONAL OFFICE,
VISAKHAPATNAM.

INTRODUCTION

This report known as “**ENVIRONMENTAL STATEMENT**” is basically a report for bringing awareness on the part of the industrial management and giving guidance in meeting their responsibilities for better and quality environment over the previous or already existing conditions. The present report is the outcome of pollution surveys i.e. for establishing the types and amounts of polluting materials in the atmosphere, brackish waters and also because of the solid wastes thrown out in the regular running or processing of the industry concerning. The type of survey required also depends upon the local conditions and legislation by the municipal authorities. These surveys are as per policy statement for abatement of pollution by the ‘**GOVERNMENT OF INDIA**’, and the same is also imperative that the industry management shall implement such steps in fulfilling, keeping in view their technical capabilities and professional/industrial activities for a smooth running of the industry without any prejudice to the cleanliness of the Environment.

A notification under the ‘**ENVIRONMENT PROTECTION RULES**’ was issued on April 22nd, 1993 requiring all the industries to submit an environmental statement for every financial year in “FORM V” to the relevant state pollution control boards by September 30th every year, and shall be effective year 1993. This was also agreed by the departments of various industries. The preparation of report is mandatory and is applicable inevitably in the following cases of industries :

- (a) The industries which require consent under the water (prevention and control of pollution) Act, 1974.
- (b) The industries which require consent under the ‘AIR’ (Prevention and control of pollution) Act, 1981., and
- (c) The industries which require authorization under hazardous wastes rules (Management and handling) 1989.

In principle this ‘**Environmental Statement**’ aims at prevention of any wastage i.e., by work improvement and cost reduction (WICR) programmers, while keeping a clear and good image of the establishment and keeping things transparent to the public, regarding any pollution problems despite certain measures taken by the industry management. Quantities from individual sources like stacks, generators, treatment plants and its discharges are very small, collectively they may be substantial and in all these cases expensive control or disposal measures may not be practicable. However, industry should be responsible for pollution

abatement and cooperate with their communities in solving problems and thereby promote better understanding and public relations with industrial activity.

Public relations should never be over looked and steps shall be taken in solving any Environmental problems relating to the industry. For example, in case like atmospheric air pollution / other discharges, the problems will be complicated normally by the following events.

- (a) Wide variations in wind direction - which should be known through meteorological data of the industry location.
- (b) Intermittent or emergence discharges of the brackish materials.

A collective information as a survey over a period will help in making a report / historical record, while bringing out this Environmental Statement' and ultimately the information helps in taking decisions or conclusions for a clean environment.

Environmental statement has to be submitted to the concerned pollution control board for the year period ending on 31st march in prescribed format by 30th September every year beginning from 1993. As per statutory requirement the industry is submitting Environmental Statement i.e., Form - V for the financial year ending 31st March 2016. The prescribed proforma has nine parts and covers items like water raw material consumption, pollution discharged to environment / unit of output, solid waste from process and from the pollution control facilities.

As per statutory requirement the industry is submitting Environmental Statement i.e., Form - V for the financial year ending 31st March 2016 covering various areas of study including Ambient Air Monitoring, Stack Gas Analysis, Solid waste, Effluent discharges and Noise Pollution levels in their premises as per the format given in 'FORM-V'. The study also includes the project details, resources requirement, process and sources of pollution.

**SALIENT FEATURES OF
M/s. HETERO INFRASTRUCTURE SEZ LIMITED**

Total Site Area	350 Acres
Built up Area	200 Acres
Area of Green Belt Developed	130 Acres
Area available for Green Belt Development	20 Acres
Year of Establishment	2010
Year of Commissioning	2011
Capital Cost	120 Crores
Type of plant	Facilitator for Bulk Drug Manufacturing units
Water Consumption	546.15 KLD
Investment on Pollution Control	
• Capital Investment	100 Crore
• Recurring O & M	200 Lakhs/annum
Employment	300



HETERO

Health, Safety and Environment Policy

We at Hetero develop, manufacture & Market pharmaceutical products globally, We are committed to safeguard the Health & Safety of all the people connected with our operations and minimise impact on the Environment, To meet this commitment, we follow the below guiding principles;

- Ensure that all our activities are carried out to avoid & control all foreseeable risks to the health and safety of all people involved in the operations.
- Protect the natural environment by prevention of pollution.
- Optimize the use of resources through reduction, reuse, recycling, continuous research and using efficient technologies.
- Comply with all applicable Health, Safety & Environment laws, regulations and other requirements applicable to our business.
- Continually evaluate and improve the processes by setting the objectives in the direction to minimize hazards & environmental impacts arising out of our operations.
- Provide safe working environment to everyone on our premises with necessary infrastructure.
- Inculcate Health, Safety & Environment awareness across the organisation through recognition, training & development.
- Seek involvement of our employees and all stake holders in improving the operations to ensure clean environment, safe & healthy work place for all.

We are dedicated to the continual improvement of the Health, Safety and Environment performance across our operations. We are of the firm belief that all our employees identify and share this commitment, which would go a long way in earning the confidence of our customers, stake holders and the society

Dr. B.P.S. Reddy
CMD, Hetero Group of Companies

May 1st, 2014

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 2014.

PART - A

Name and address of the owner/ Occupier of the industry, operation Or process	K. V. Bhaskara 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 2015

PART- B

WATER CONSUMPTION DETAILS :

- 1) Water Consumption (As per CFO) { Hetero Labs Ltd, Unit-IX, Hetero Drugs Ltd, Unit-IX and Honour Lab Ltd, Unit-III)

S.No	Water Consumption	Quantity (KL/day)
1	Process & Washing	196.15
2	Cooling tower Make up	150
3.	Boiler Feed	140
4	Domestic	60
Total		546.15

PART - C

POLLUTION DISCHARGED TO ENVIRONMENT (PARAMETERS AS SPECIFIED IN THE CONSENT ISSUED)

	Concentration of Pollutants in discharges (mass/volume)	Percentages 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 WASTE (AS SPECIFIED UNDER HAZARDOUS WASTES/MANAGEMENT AND HANDLING RULES, 1989)

Description of waste	Total quantity (Tons/ Annum)	
	During the current financial year (2015-2016)	During the current financial year (2014-2015)
Organic Residue		
Spent Carbon		
Forced Evaporation Salts	NO DISPOSAL (Hazardous waste disposed through manufacturing units)	
Inorganic Waste		
Used Carboys		
Waste Oil		

PART -E
SOLID WASTE

The sources of solid waste generated from the plant are process and fly ash from boiler. Detailed quantities of solid wastes are given below.

Solid waste	Total quantity (T/ Annum)	
	During the current financial year (2015-2016)	During the current financial year (2014-2015)
Boiler ash	6500	7000

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 CONTROL MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON COST OF PRODUCTION.

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

- Sea water Desalination Plant for meeting the total water requirement of the Industry.
- Sewage Treatment Plant for reuse of Domestic waste water for gardening purposes.
- Usage of Vermi-compost for Green belt and grounding purpose as a replacement for chemical fertilizers.
- Storm water collection pond for recharging of ground water.
- Closed transfer of effluents from Production blocks to CETP

The Industry adopted following pollution control measures for abatement of pollution thereby conserving the environment:

- Common Effluent Treatment Plants (Stripper, MEE, ATFD Bio-tower & Dual stage aerobic Treatment plant based on ASP) and treated waste water is disposing into Sea after meeting the standards of the Board prescribed in Consent Order.

- Hazardous Waste storage sheds for storage of waste for all the units located at Nakkapalli.

Further the industry has installed online effluent monitoring equipment for the parameters Flow, pH, TSS, COD and BOD and online stack monitoring for all Boiler stacks and are connected to APPCB and CPCB websites.

With the installation of above equipments & its operations, the cost of production is being increased to some extent, but Management's perception towards environment protection and their social responsibility to abate pollution is nullifying the cost of production.

PART - H

ADDITIONAL INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT 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 industry. Green belt is being developed continuously by adding new trees. 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 for improvement in their performances.

The industry proposed to invest following amount during 2016-17 for the abatement of pollution:

- Construction of new Hazardous waste Storage shed for storage of Waste at a cost of **Rs. 40 Lac..**
- Installation of third Online equipments i.e online VOC Analyzers, Online Stack monitoring and related Soft wares at a cost of **Rs. 20.00 Lac**
- Covering remaining 02 no equalization tanks with FRP hoods and scrubbers to avoid fugitive gas emissions at a cost of **Rs 40.00 Lac.**
- Planning to Install new 1 MLD Effluent Treatment plant in phased manner at a cost of **Rs. 55.00 Crores**

PART – I

ANY OTHER PARTICULARS IN RESPECT OF ENVIRONMENTAL PROTECTION AND ABATEMENT OF POLLUTION

- Increasing the greenbelt area by planting more plants, lawns, bushes etc.
- Industry is maintaining good housekeeping, mitigating fugitive emissions by taking all possible measures.
- Recovering of solvents at the treatment plant itself i.e in Stripper to avoid entry of organics into Biological system for proper treatment.
- Installation of secondary condensers for stripper to avoid chances of escaping solvent vapours into atmosphere..
- Rain water harvesting by collecting complete run off of the factory in an open pond for recharging of ground water as well as for reuse.

CONCLUSION

Hetero Infrastructure SEZ limited is taking all possible measures for the abatement of pollution and also 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 waste water discharges for development of greenery.
3. Giving due importance to the greenery and ultimately taken care in abating the pollution.
4. Rainwater harvesting by collecting rain water in a pond created by the industry
5. Online instruments for monitoring the pollution levels in and around factory premises.
6. Operating Effluent Treatment Plant (Common) for bringing the pollution levels well within the norms of the Board.
7. Regular monitoring of air, water, effluent by Third party once in a month to keep watch on the pollution levels.