



# HETERO DRUGS LIMITED

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CIN: U24230TG1993PLC015582

Date: 30.08.2016  
HDL-1/EHS/2016-17/25

To  
Deputy Director,  
Ministry of Environment, Forest & Climate Change,  
Regional Office,  
No 33, Cathedral Garden Road,  
Nungambakkam,  
Chennai-600034

Sir,

Sub: Hetero Drugs Limited, Unit-1, Sy.No 213, 215 & 253, Bonthapally Village, Jinnaram  
Mandal, Medak District- Submission of half yearly compliance report for the period  
from December' 2015 to May'2016 for the conditions given in the Environmental  
Clearance - reg.

Ref: EC No. J-11011/120/2005 – IA II (I) dated 21st June 2005.

With reference to the above mentioned subject, herewith we are submitting half yearly compliance  
report for the period from Dec'2015 to May'2016 for the conditions given in the Environmental  
Clearance accorded to our unit vide No. J-11011/120/2005 – IA II (I) dated 21st June 2005.

Thanking you,

Yours faithfully,  
For Hetero Drugs Limited, Unit-1.,

  
Authorised Signatory



Encl:

Compliance Report for the period from Dec'2015 to May'2016 (Soft and Hard copies).

✓ Cc to EE, Regional Office, RC Puram, Medak District, Telangana State.

FRANK V. MARRASU

A 101111 092725IN  
Center No:1 CP-Code:01  
To:DR H T KRIPPANAH.



CHENNAI. PIN:600034  
From: V MARRASU, NEDAK  
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<Track on [www.indiapost.gov.in](http://www.indiapost.gov.in)>

Hetero Drugs Limited, Unit-I  
Bonthapally (V) , Jinnaram (M), Medak District

**Condition wise compliance of Environmental Clearance  
for the period of December '2015 to May'2016**

(EC No. J-11011/120/2005 – IA II (I) dated 21st June 2005)

**A) Special Conditions:**

S.No	Description of Condition	Compliance Status
i.	The gaseous emissions (SO <sub>x</sub> , NO <sub>x</sub> & Hcl) particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Complied with. The gaseous emissions are measured by MOEF & CC recognised third party and the reports are being submitted to the TSPCB every month. Photocopies of the acknowledgements along with reports for the period from December '2015 to May'2016 are enclosed in Annexure – I. Operations will be stopped in the event of failure of pollution control systems till rectification.
ii.	Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the SPCB.	Complied. System is in place to monitor the ambient air quality monitoring by authorised third party and the same is being submitted to PCB every month. Photocopies of the acknowledgements along with reports for the period from December '2015 to May'2016 are enclosed as Annexure – II.
iii.	Spent solvents shall be recovered as far as possible & recovery shall not be less than 95 percent. During purification process, solvent vapours are emitted from purification tanks as fugitive emissions. Action shall be taken to reduce the emission as far as possible. Use of toxic solvents like Methylene Chloride (M.C.) etc. shall be minimum. All venting equipment shall have vapour recovery system.	Complied. Spent solvents are being recovered at our in-house recovery system. We have replaced the Forced draft cooling tower with Induced draft cooling tower and also replaced plate and frame heat exchangers with tube & shell condensers to improve the solvent recovery. All distillation units are equipped with secondary condensers to trap the uncondensed solvent there by maximise solvent recovery and minimise fugitive emissions. All bulk storage tanks are equipped with breather valve provision. Photographs of the same are enclosed as Annexure – III. Process R&D team is continuously working on reducing the usage of Methylene chloride on continuous basis.

iv.	Industry shall switch over to aqueous based coating film in place of use of Methylene Chloride in coating operation, in a phased manner.	Not applicable. There are no coating operations involved in our manufacturing processes as it is Bulk Drug Industry.
v.	Industry shall switch over to use of non halogenated solvents in place of halogenated solvents in a phased manner.	In progress. Process R&D team is continuously working on replacement of non-halogenated solvents in-place of halogenated solvents.
vi.	<p>The company shall undertake following Waste Minimization measures: -</p> <p>Metering and control of quantities of active ingredients to minimize waste.</p> <p>Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</p> <p>Use of automated filling to minimize spillage.</p> <p>Venting equipment through vapour recovery system.</p> <p>Use of high pressure hoses for equipment cleaning to reduce wastewater generation.</p>	<p>Complied.</p> <p>We have taken the below waste minimization measures:</p> <ol style="list-style-type: none"> <li>1. Our R &amp; D team is continuously working to improve the yield there by increase process efficiency and reduce the waste. Also taken various initiatives for recovery and reuse of by- products</li> <li>2. Powder transfer systems in-place of manual charging of powder into reaction vessels.</li> <li>3. High pressure Hydro jet movable pumps are placed in each block for cleaning of vessels to minimise water consumption.</li> <li>4. Dumps tanks are provided to all production blocks to improve in the workplace environment &amp; reduction of material losses</li> <li>5. All events are equipped with primary and secondary condensing equipment.</li> <li>6. Most of the solvents are being handling in closed pipe line system.</li> <li>7) Agitated nutch film driers are placed in place of centrifuges and driers to minimise solvent loss as well as improve working environment.</li> <li>8) All storage tanks are having bunds to contain spills.</li> </ol>
vii.	Fugitive emissions in the work zone environment, product, raw material storage area shall be regularly monitored. The emissions shall confirm to the limits imposed by SPCB.	Complied. Workplace monitoring is being done periodically and emissions are within the limit.
viii.	The effluent generation shall not increase 35 m <sup>3</sup> /d (30 KLPD from process and washings, 1 KLPD from cooling tower and boiler blow downs, 4 KLPD from domestic). Effluent shall be segregated into low TDS and high TDS streams. Low TDS effluent after primary treatment and conforming to the prescribed standards shall be sent to CETP of PETL at Patancheru in Hyderabad through tankers for further treatment. Due care shall be taken to prevent leakage of effluent while loading, unloading and transportation. Waste water manifest system shall be provided along with every tanker for	The effluents generations are within the limit and the same are being treated in Zero Liquid Discharge system. Photographs of treatment systems are enclosed in Annexure-IV.

	proper handling of effluent.	
ix.	Solid wastes generated in the form of ETP sludge and process sludge shall be sent for disposal to common secured landfill site of M/s Hyderabad Waste Management Projects. Boiler ash shall be provided to the brick manufacturers.	Complied. The solid wastes are being disposed to TSDF, Dundigal regularly and the same is being informed to PCB on monthly basis. Photocopies of the acknowledgements along with the reports for the period from December '2015 to May'2016 are enclosed as Annexure – V. Boiler Ash is being disposed to brick manufacturers.
x.	The company shall develop rainwater harvesting structures to harvesting structures to harvest the run off water for recharge of ground water.	Complied with. Dedicated storm water collection tanks constructed to store around 11400 KL for recycling purpose.
xi.	Greenbelt shall be provided in 25% of the plant area to mitigate the effects of fugitive emission all around the plant. Development of green belt shall be as per the Central Pollution Control Board guidelines.	Complied with. 10 Acres in the plant area is covered with green belt. Few photographs of green belt are enclosed as Annexure – VI.
xii.	The company shall obtain permission from the State Ground Water Authorities for ground water drawl. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per Factories Act.	Obtained permission from the State Ground Water Authorities for ground water drawl. The occupations health surveillance of the workers is being done periodically and the records are maintained.
xiii.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to the APPCB within three months of receipt of this letter for approval.	Complied. Eco-development measures and community welfare activities are taking up continuously.

**B) General Conditions:**

S.No	Description of Condition	Compliance Status
i.	The project authorities shall strictly adhere to the stipulations made by the Andhra Pradesh State Pollution Control Board.	Complying. We will follow the same.
ii.	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Complied. The emissions are measured and the reports are being submitted to the PCB. If the emission levels go beyond the standards, we will stop the respective unit to rectify the problem.
iii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to	Will be followed.

	the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
iv.	The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Authorization from the SPCB shall be obtained for collection, treatment, storage, disposal of hazardous wastes.	Complying with MSIHC Rules, 1989 as amended in Oct 1994 & Jan 2000. Obtained permission from time to time from SPCB for the collection, treatment and disposal of hazardous wastes. Hazardous wastes are being disposed to SPCB authorised facilities (TSDF and Cement Units).
v.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collection/ treatment/ storage/ disposal of hazardous wastes.	Complying. We are following the rules. Obtained permission from time to time from SPCB for the collection, treatment and disposal of hazardous wastes. Hazardous wastes are being disposed to SPCB authorised facilities (TSDF and Cement Units).
vi.	The overall noise level in and around the plant area shall be kept well within the standards (85 dB(A)) by providing noise controlling measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA rules, 1989 viz. 75 dB(A) (daytime) and 70 dB(A) (night time)	Complied. The noise levels are being measured by authorised third party and the reports of the same are being submitted to PCB regularly. Acoustic hoods are provided for DG sets.
vii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.	Complying.
viii.	A separate environmental management cell equipped with full fledged laboratory facilities shall be set-up to carry out the environmental management and monitoring functions.	Complied. A Separate EHS team is working in onsite and another team is working at corporate level to monitor EHS functions.
ix.	The project authorities shall earmark separate funds to implement the conditions stipulated by Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied with.
x.	The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's regional office at Bangalore/ SPCB/ CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.	Complied. Submitting half yearly.
xi.	The project proponent shall inform the public that the project has been accorded Environmental Clearance by the Ministry and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at	Complied.

	website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . this shall be advertised with in the seven days from the date of issue of the clearance letter, at least in two local news papers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forward to the Ministries regional office at Bangalore.	
xii.	The project authorities shall inform the regional office as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Not applicable as existing unit.