



# HETERO DRUGS LIMITED (UNIT-I)

Survey No.s 213, 214 & 255, Bonthapally (Vill.), Gummadidala (Mandal), Sanga Reddy (Dist.) - 502 313, Telangana, INDIA. Phones : (08458) 275314/275777 Fax : (08458) 275271  
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Date: 19.07.2017  
HDL-I/EHS/2017-18/13

To,  
Deputy Director,  
Ministry of Environment, Forests & Climate Change,  
Regional Office (South Eastern Zone)  
1<sup>st</sup> & 2<sup>nd</sup> floor, HEPC Building,  
No.33, Cathedral Garden road,  
Nungambakkam,  
Chennai-600034.

Sir,


Sub: Hetero Drugs Limited, Unit-I, Sy.No.213,215 & 253(P), Bonthapally IDA,  
Gummadidala Mandal, Sangareddy District- Submission of half yearly  
compliance for the period from October 2016 to March 2017 for the conditions  
given in the Environmental Clearance - reg.

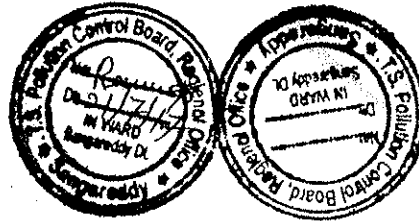
Ref: Order No. SEIAA/TS/MDK-32/2015 - 1716 dated 10.11.2015

With reference to the above mentioned subject, we are herewith submitting half yearly  
compliance report for the period from October 2016 to March 2017 for the conditions given in  
the Environmental Clearance accorded to our unit vide Order No. SEIAA/TS/MDK-32/2015 -  
1716 dated 10.11.2015.

Thanking you,

Yours faithfully,  
For Hetero Drugs Limited, Unit-I

  
Authorised Signatory



Encl: Compliance Report for the period from Oct'2016 to March'2017(Hard and Soft Copies)

Cc to Regional Office, RC Puram, Sangareddy District, Telangana State.

Dial 1950 266 6666

भारतीय डाक



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RP NIZAMET S.O (500090)

Counter No:1,21/07/2017,12:58

To:BY NTR, M. F. D.

FIN:60034, Muzumbari S.O

From:BY NIZAMET NIZAMET

WL:92500

amt:127.00(Cash)

Track on www.indiapost.gov.in

Dial 1950 266 6666

Hetero Drugs Limited, Unit-I,  
Survey No: 213,215 & 253, IDA Bonthapally,  
Bonthapally(V), Gummadidal (M)  
SangaReddy District, Telangana State

Condition wise Compliance Report for the period  
from October'2016 to March'2017  
Order No. SEIAA/TS/MDK-32/2015 - 1716 dated 10.11. 2015

Submitted to

Deputy Director -MoE&F,  
Regional Office, Chennai-600034

**A. Special Conditions:**

S. No	Description of Condition	Compliance status
a)	<b>Air Pollution:</b>	
i	The emissions from the coal fired Boilers of capacities 8 TPH (existing-as standby) & 20 TPH (proposed) shall be routed through bag filters followed by stacks of height 30 m & 40 m respectively. The concentration of particulate in the emission form the proposed boiler shall not exceed 50 mg/Nm <sup>3</sup> . Sampling port with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. shall be provided to monitor stack emissions. Stacks with adequate height shall be provided for D.G. Sets of capacities 2 x 320 KVA (existing), 2 x 720 KVA (proposed)& 2 x 1020 KVA (proposed) as per CPCB norms.	<p>Bag filters are provided to control particulate emissions from coal fired boiler of capacity 8 TPH with a stack height of 30 m. Stack emissions are being monitored once in a month by authorized agency and monitored values are well within the limits.</p> <p>The proposed 20 TPH boiler will be provided with bag filters followed by required stack height. The proposed DG Sets will be provided with adequate stack height for stack monitoring as per CPCB norms.</p>
ii	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608 € dated 21st July, 2010 and amended time to time shall be followed by the unit.	Information Noted.
iii	The process emissions containing Hydrogen chloride, Sulphur Dioxide, Bromine, Ammonia, Hydrogen Bromide & Hydrogen Iodide shall be routed through two stages scrubber system. Scrubbed liquid shall be treated and reused or subjected to MEE. The process emissions containing c'arivatives of Hydrogen, Carbon dioxide & Oxygen shall be dispersed into the atmosphere.	Single and Multistage scrubbers are provided to scrub process emissions if any. Scrubbed liquid is treated and is reused after treatment Photographs of scrubbers are enclosed as <b>Annexure-I.</b>
iv	Necessary measures shall be taken to control odour as far as possible. Chillers (brine solution) shall be installed to reduce solvent evaporation losses into the atmosphere. All the solvent storage tanks shall be connected to vent condensers. Regular monitoring of the VOCs shall be carried out using sensors.	<ol style="list-style-type: none"> <li>1. Closed transfer systems are provided for transfer of liquid raw materials to the process areas.</li> <li>2. Primary, Secondary condenser systems are provided for mitigating fugitive emissions from SRP systems.</li> <li>3. All bulk storage tanks are equipped with breather valves. Photograph of the same is enclosed as <b>Annexure-II.</b></li> </ol>
v	The solvents shall be recovered by installing fractional distillation columns. The recovered solvents shall be reused in the process or sold to recyclers authorized by TSPCB. The volatile vapours generated during process shall be routed through condensers and the condensate shall be reused in the plant.	Spent solvents are recovered at our in-house solvent recovery system. The distillation unit is equipped with primary, secondary condensers with chilled brine circulation to trap the uncondensed solvent there by maximize solvent recovery and

		minimize fugitive emissions.
vi	As proposed, green belt of Ac.10.0 shall be developed within plant premises with at least 10-meter-wide green belt on all sides along the periphery of the project area, in downward direction and along road sides etc., Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO	10 Acres of the area is covered with green belt. Photographs of greenbelt are enclosed as <b>Annexure-III.</b>
vii	Raw materials shall be transported in covered trucks. Raw materials shall be stored under sheds. All the belt conveyors shall be covered with G.I. sheets. Appropriate dust suppression system shall be provided all around the stockpiles and conveyor system. All the roads in the plant area shall be asphalted/concreted and water shall be sprinkled to suppress the dust.	<ol style="list-style-type: none"> <li>1) Provided dedicated warehouse for storage of raw materials.</li> <li>2) All the roads in the plant are concreted.</li> <li>3) Closed transfer systems are being provided for transfer of liquid raw materials to the process areas.</li> </ol>
viii	Ambient air quality including ambient noise levels must not exceed the standards stipulated under Notification dt.16.11.2009 issued by the MoE&F, Gol. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with TSPCB.	System is in place to monitor the ambient air quality, noise level and stack monitoring by authorized third party and the monitoring reports are being submitted to TSPCB every month. Photocopies of the acknowledgement along with reports submitted to TSPCB for the period from Oct'2016 to March'2017 are enclosed as <b>Annexure IV.</b>
<b>b) Water Pollution:</b>		
i	The source of water is Bore -wells within plant site. The total water requirement after expansion shall not exceed 703.8 KLD. :Quantity of water used for: Process is 103.8 KLD; washings is 10.0 KLD; boiler make-up is 70.0 KLD; Cooling tower makeup is 340.0 KLD; Pre-treatment of water in RO/DM Plant 80.0 KLD; Scrubber is 10.0 KLD; Domestic purposes is 50.0 KLD & Gardening is 40.0 KLD.	The average water consumption in the plant is 262 KLD. Process and washings: 57 KLD Cooling tower makeup: 101 KLD Boiler Makeup: 46 KLD Domestic: 24 KLD Gardening: 34 KLD The water consumption in the plant is well within the limits as per the CFO accorded by TSPCB. A Copy of CFO is enclosed for your reference as <b>Annexure-V.</b>
ii	The total waste water generated after expansion is 265.7 KLD. Out of that, 110.7 KLD is from Process; 10.0 KLD is from washings; 5.0 KLD is from Boiler blow down; 10.0 KLD is from cooling tower bleed of; 80.0 KLD is from Pre-treatment of water in RO/DM Plant; 10.0 KLD is from Scrubber; 40.0 KLD is from Domestic section.	The average wastewater generation is 85 KLD (High TDS: 59 KLD and low TDS: 26 KLD). The effluents generations are well within the limits as per the CFO accorded by TSPCB. A Copy of CFO is enclosed for your reference as <b>Annexure-V.</b>

iii	<p>The high TDS and low TDS effluents generated from the process are to be separated and treated separately. The high TDS effluents generated from process, washings &amp; Scrubber shall be disposed into stripper followed by MEE and ATFD. The high TDS effluents generated from Pre-treatment of water in RO/DM Plant shall be disposed to MEE followed by ATFD. The condensate shall be reused in cooling towers after necessary treatment. The LTDS effluents shall be treated in an ETP followed by RO system. The permeate is to be reused in the plant and rejects are to be sent to MEE System. The treated effluents shall be recycled completely. The project proponent shall achieve Zero Liquid Discharge and in no case the effluent shall be discharged outside the factory premises. The sewage generated is to be treated in an Sewage Treatment Plant (STP) and the treated waste water shall be reused for gardening. The volatile organics shall be sent to recyclers authorized by TSPCB.</p>	<p>The effluents generated are segregated as high and low TDS.</p> <ol style="list-style-type: none"> <li>1) High TDS effluents are subjected to Stripper followed by MEE and ATFD.</li> <li>2) MEE and ATFD condensate is treated in Bio ETP along with low TDS effluents. Bio treated effluent is further treated in Reverse Osmosis System.</li> <li>3) The Permeate is reused in utilities as makeup water and reject is taken back to MEE along with High TDS effluent.</li> </ol> <p>Photographs of Zero Liquid Discharge system are enclosed as <b>Annexure-VI</b>.</p>
iv	<p>The proponent shall provide separate storm water drains and harvest the rainwater from the rooftops to recharge the ground water.</p>	<p>Dedicated storm water collection tanks constructed to store around 11400 KL storm water and the same is utilized for recycling purpose.</p>
v	<p>Automatic/online monitoring system (24x7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Industry's website.</p>	<p>IP Camera with Flow meter are installed in the effluent outlet as per the CPCB directions.</p>
vi	<p>The industry shall install IP Camera with PAN, TILT Zoom, and 5 x or above focal length, with night vision capability and flow meters in the channel/drains provided for carrying effluent from within the premises of the unit.</p>	<p>IP Camera with PAN, TILT Zoom, 5x or above focal length, with night vision capability &amp; Flow meter is installed in the effluent outlet as per the CPCB directions.</p>
c) Solid Waste:		
i	<p>Hazardous waste generated from the industry such as waste oils, used oils etc., shall be disposed as per the Hazardous Wastes (Management, Handling, and Transboundary movement) Rules, 2008 and its amendments thereof to the recyclers authorized by TSPCB</p>	<p>Waste oils are being disposed to authorized facility.</p>
ii	<p>The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.</p>	<p>We are complying with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time.</p>

iii	Solid waste generated after the expansion will be		The hazardous wastes generated are being disposed to TSPCB authorized facilities (TSDF and Cement units). The details of hazardous waste disposal for the period from Oct'2016 to March'2017 are given below.  1) Organic residue & Spent Carbon disposed to Authorized Cement Units: 214.43 MT. 2) Process waste (Inorganic), ETP Sludge and Evaporation Salts disposed to M/s. Ramky, :227.44 MT.	
	<b>S.No</b>	<b>Description of waste</b>		<b>Qty</b>
	1	Solvent residue		4.94 TPD
	2	Process organic residue		5.48 TPD
	3	Stripper distillate		6 KLD
	4	Spent carbon		0.31 TPD
	5	Inorganic residue		0.16 TPD
	6	catalyst		35 kg/day
	7	Evaporation salts		6.53 TPD
	8	ETP Sludge		2.3 TPD
	9	STP Sludge		2 Kg/day
	10	Spent Solvents		153.76 KLD
	11	Spent Mixed Solvent (Non-recoverable)		65.9 KLD
	12	Ash from boiler		27.6 TPD
	13	Detoxified Containers		10,000 T/A
	14	Waste oil		1200 LPM
15	Used batteries	50 No's /Annum		

### **B. General Conditions:**

S. No	Description of Condition	Compliance Status
i.	This order is valid for a period of 7 years	Information Noted.
ii	Consent for Establishment shall be obtained from Telangana State Pollution Control Board under Air and Water Act before the start of any activity / construction work at site	We have obtained CFE from the State Pollution Control Board under Air and water Act. Photocopy of the same is enclosed as <b>Annexure-VII</b> .
iii	This order is issued subject to outcome of the cases (if any), pending in the National Green Tribunal, Southern Zone, Chennai or in any other court.	Information Noted.
iv	Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, Medical health care, creche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.	Existing plant.

v	No change in the process technology and scope of working should be made without prior approval of the SEIAA, TS. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, TS/MoEF & CC, Gol, New Delhi, as applicable	Information Noted. We will take prior approval of the SEIAA, TS in case any expansion/modifications in the process technology
vi	The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA and CCF, Regional office of MoEF& CC, Gol, Chennai on 1st June and December of each calendar year.	We are submitting half yearly compliance.
vii	Four ambient air quality - monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, PM10, PM2.5, SO2, NOX monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution control Board.	Information Noted.
viii	Data on ambient air quality (RSPM, SPM, PM10, PM2.5, SO2, NOX) should be regularly submitted to the Ministry including its regional office located at Chennai and the State Pollution Control Board/ Central Pollution control Board once in six months.	We are monitoring AAQ on monthly basis by third party authorized lab (Lawn Enviro Associates, Recognized by MoE&F, GOI, New Delhi). Photocopies of the acknowledgement along with reports submitted to TSPCB for the period from Oct'2016 to March'2017 are is enclosed as <b>Annexure-IV.</b>
ix	Usage of Personnel Protection Equipment's by all employees/workers shall be ensured.	All the required PPE is provided to all employees/workers.
x	Training shall be imparted to all employees on safety and health aspects of chemicals handling, Pre-employment and routine periodical medical examination for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	We are conducting trainings to employees as per EHS training calendar. Health checkup of employees are conducting once in a year and the records for the same are being maintained.
xi	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Occupational health surveillance of the workers is being done periodically and the records of the same are maintained.
xii	The industry shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Fire detection (smoke detectors, Beam detectors) and fire protection systems (different types of fire extinguishers and Fire Hydrant system) are provided in the plant as per norms.
xiii	A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior executive, who will report directly to the head of the Organization.	Corporate and Site Environment teams are formed for Environmental Management.



xiv	The funds earmarked for environmental protection measures (capital cost of Rs.27.5 Lakhs and recurring cost of Rs. 885 Lakhs per annum) & also the funds earmarked for Corporate Social Responsibility (CSR) activities, should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, Ministry and its Regional office located at Chennai	Funds earmarked for environmental protection and CSR activities are used for the same and are not diverted for any other purpose. Total Expenditure for CSR activities for the period from Oct'2016 to March'2017:1.2 crores
xv	Officials from the regional office of MoEF & CC, GoI, Chennai who would be monitoring the compliance of stipulated conditions and implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all documents shall be submitted to the CCF, Regional office to MoEF & CC, GoI, Chennai.	We will be cooperated to officials during their inspection as per the condition given.
xvi	The project proponent shall submit the copies of Environmental clearance to the Heads of the local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Submitted.
xvii	The project authorities should advertise at least in two local newspapers widely circulated one of which shall be in the vernacular language of the locality concerned within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the state pollution control Board and SEIAA, Telangana. This order shall be displayed in the website of the project proponent.	Complied. A Copy of advertisement given in the local newspapers is enclosed as <b>Annexure-VIII</b> .
xviii	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National green Tribunal Act, 2010.	Information Noted.
xix	The company shall undertake eco-development measures including community welfare measures in the project area.	Eco-development measures and community welfare activities are taking up continuously.
xx	The proponent shall obtain all other mandatory clearances from respective departments	All other mandatory clearances are taken from the respective departments.
xxi	Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986	Information Noted.

xxii	The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Information Noted.
xxiii	The above conditions will be enforced inter-alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Information Noted.