

N.K. PATEL  
MEMBER SECRETARY  
SEIAA (GUJARAT)



Government of Gujarat

STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT  
AUTHORITY  
GUJARAT

No. SEIAA/GUJ/EC/5(f)/ 94 /2014

Date: 11 AUG 2014  
Time Limit

Sub: Environment Clearance for - M/s. Gujarat Dyestuff Industries for setting up of a bulk drug manufacturing unit at Plot No. 133/4, 133/5 & 133/6, GIDC Nandesari, Dist: Vadodara..... in Category 5 (f) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir,

This has reference to your application along with Form-I submitted vide letter dated 27/08/2012, additional information / documents vide letters dated 12/06/2013 & 09/06/2014 submitted to the SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance for - M/s. Gujarat Dyestuff Industries for setting up of a bulk drug manufacturing unit at Plot No. 133/4, 133/5 & 133/6, GIDC Nandesari, Dist: Vadodara. The project proponent has applied for manufacturing following product:

Sr. No.	Product / By-product	Quantity
1	Cifixime Trihydrate	} 20 MT/Month
2	Cefuroxime Axetil	
3	Cefpodoxime Proxetil	

The project activity is covered in the category - 5(f) of the schedule of the EIA Notification-2006 and as the proposed project is situated in the notified industrial estate, it falls in Category B as per the schedule of the EIA Notification-2006.

Since, the proposed project is located in the notified industrial area, public consultation is not required as per paragraph 7(i) (III) (i) (b) of the Environment Impact Assessment Notification-2006.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project. The proposal was considered by SEIAA, Gujarat in its meeting held on 28.07.2014 at Ahmedabad. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to the compliance of the following conditions.

#### **A.1 CONDITIONS WITH WHICH ENVIRONMENT CLEARANCE IS GRANTED :**

##### **A. 1.1 WATER:**

1. Fresh water requirement for proposed project shall not exceed 38 KL/day and it shall be met only with water supply system managed by GIDC. Water meter shall be installed and records of daily and monthly water consumption shall be maintained. No ground water shall be tapped for the project requirements in any case.
2. Industrial effluent generation shall not exceed 20 KL/day.
3. Industrial effluent shall be treated in the ETP comprising of treatment facilities like equalization cum neutralization tank, filter press, de-nitrification & nitrification, biological treatment by activated sludge process, dual media filter.
4. The unit shall regularly and efficiently operate their ETP so as to achieve the GPCB norms at final outlet of the ETP.
5. Treated wastewater shall be sent to the CETP of NIA for its further treatment and disposal.
6. Domestic wastewater generation shall be 4 KL/day and it shall be disposed off through septic tank - soak pit.
7. The unit shall provide metering facility at the inlet and outlet of the ETP and maintain the records of the same.
8. The unit shall provide online monitoring system for monitoring of pH, TOC / COD & flow of treated effluent with an arrangement to reflect the monitored data on the company's server, which can be accessed by the GPCB on real time basis.
9. A proper logbook of the ETP operation, effluent discharge quality and quantity, power consumption, chemical consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.

10. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.

#### **A.1.2 AIR :**

11. There shall be no process emission from the unit.
12. Light Diesel Oil (LDO) to the tune of 40 Liters/Hour shall be used as a fuel in Boiler having 30 meter stack height until availability of uninterrupted natural gas supply. The unit shall switch over to natural gas as soon as continuous supply of natural gas is available in the region.
13. The unit shall provide packed column water scrubber followed by ventury type caustic scrubber as air pollution control system for control of flue gas emission from the Boiler.
14. As there is a process emission In terms of VOCs from distillation condenser vent, the project proponent shall conduct the regular (once in a six month) monitoring for the VOCs and LDAR (Leak Detection And Repair) system shall also be adopted to check the loss of solvents from the vents.
15. The air pollution control system shall be operated regularly and efficiently to control the pollutants concentration below the GPCB norms at the stack outlets.
16. Flue gas emission shall conform to the standards prescribed by the GPCB. At no time, the emission levels shall go beyond the stipulated standards.
17. Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible institute and its records shall be maintained.
18. The unit shall undertake measures for solvent recovery and Chilled Brine Secondary Condensers shall be provided for control of evaporation of low boiling solvents.
19. Spent solvent recovery shall not be less than 95 percent.
20. Measures shall be taken to reduce the process solvent vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.
21. All the vessels used in the manufacturing process shall be close to reduce the fugitive emission.
22. The fugitive emission in the work zone environment shall be monitored. The emission shall strictly conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).
23. Regular monitoring of ground level concentration of SO<sub>2</sub>, NO<sub>x</sub>, VOCs, PM<sub>10</sub> and PM<sub>2.5</sub> shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

#### **A.1.3 SOLID / HAZARDOUS WASTE:**

24. The company must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.
25. The hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal.
26. ETP sludge and distillation residue shall be disposed at the nearest approved common treatment facility.
27. Spent solvent shall not be directly sold out in any case. Spent solvent shall be subjected to recovery with help of onsite solvent recovery plant and recovered solvent shall be reused in the process or sold only to actual end consumers.
28. Spent solvent shall be subjected to solvent recovery with the help of in-house solvent recovery systems and recovered solvents shall be reused in the plant to the extent possible and surplus quantity, if any, shall be sold to actual end consumers and its records shall be maintained. No solvent shall be sold outside in any case.
29. Used oil shall be sold to the approved registered recyclers.
30. Discarded containers and plastic liners shall be sold to the authorized vendors after its decontamination.

#### **A1.4 SAFETY:**

31. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.
32. You shall have to strictly comply with "Manufacture, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989" and amended thereof.
33. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous chemicals.
34. Storage and use of hazardous chemicals shall be minimized to the extent possible and all necessary precautions shall be taken to mitigate the risk generated out of it.
35. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
36. Storage of hazardous chemicals shall be in multiple small capacity tanks / containers instead of one single large capacity

tank for safety purpose.

37. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for hazardous chemicals. Close handling system for chemicals shall be provided.
38. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency, regular medical check up of the workers and keeping its record etc.
39. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
40. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
41. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
42. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
43. Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.
44. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.

#### **A.1.5 NOISE:**

45. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

#### **A.1.6 CLEANER PRODUCTION AND WASTE MINIMISATION:**

46. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
47. The unit shall also undertake following waste minimization measures :
  - a) Metering and control of quantities of active ingredients to minimize waste.
  - b) Use of automated and enclosed filling to minimize spillage.
  - c) Reuse of by-products from the process as raw materials or raw materials substitutes in other process.
  - d) Venting equipment through vapour recovery system.
  - e) Use of high pressure hoses for equipment cleaning to reduce wastewater generation.
  - f) Use of close feed system into batch reactors.

#### **A.1.7 GREEN BELT AND OTHER PLANTATION:**


48. The unit shall develop and maintain green belt within premises as per the CPCB guidelines. In addition to this, the unit shall also take up adequate plantation at suitable open land on road sides and other open areas within the Nandesari Industrial Area or in nearby locality or schools in consultation with the GIDC / Gram Panchayat / GPCB and submit an action plan of plantation for next three years to the GPCB.

#### **B. OTHER CONDITIONS:**

49. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
50. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
51. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
52. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
53. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
54. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
55. The company shall undertake socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.
56. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
57. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
58. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
59. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/

- GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
60. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
  61. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
  62. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
  63. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
  64. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
  65. This environmental clearance is valid for five years from the date of issue.
  66. 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.

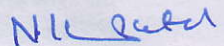
With regards,  
Yours sincerely,

  
(N.K. PATEL)  
Member Secretary

Issued to:  
M/s. Gujarat Dyestuff Industries  
"Krishna Niwas",  
8, Vinayak Society,  
Gotri Road, Vadodara - 390 007

Copy to:-

1. The Secretary, SEAC, C/O. G.P.C.B. Gandhinagar - 382010.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
3. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
5. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010
6. Select File

  
(N.K. PATEL)  
Member Secretary