

N.K. PATEL
MEMBER SECRETARY
SEIAA (GUJARAT)



Government of Gujarat

STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT
AUTHORITY
GUJARAT

No. SEIAA/GUJ/EC/5(f)/ 94 /2015

Date: 2 MAR 2015
Time Limit

Sub: Environment Clearance for M/s. Chenitan Color Chem Pvt. Ltd., for setting up manufacturing of various types of Acid Dyes unit at Plot no. Plot No:D-2/ CH/ 124, GIDC estate, Dahej, Ta.: Vagra, Dist.: Bharuch.....
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, dated 30/11/2012, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006, EIA report vide their letter dated 04/06/2014 and additional information / documents vide letter dated 16/10/2014, Submitted to the SEAC.

The proposal is for Environmental Clearance for M/s. Chenitan Color Chem Pvt. Ltd., for setting up manufacturing of various types of Acid Dyes unit at Plot no. Plot No:D-2/ CH/ 124, GIDC estate, Dahej, Ta.: Vagra, Dist.: Bharuch. It is a new unit of manufacturing of various types of Acid dyes with production capacity of 100 MT/Month listed as below:: which falls in the category - 5(f) of the schedule of the EIA Notification-2006:

Sr. no.	Name of the Product	Quantity
1	Acid Black 210	100 MT/Month
2	Acid Black 194	
3	Acid Black 235	
4	Acid Brown 75	
5	Acid Brown 165	
6	Acid Brown 161	
7	Acid Brown 282	
8	Acid Brown 355	
9	Acid Brown 432	
10	Acid Brown 434	
11	Acid Brown 425	
12	Acid Green 68	
13	Acid Blue 113	
14	Acid Blue 193	
15	Acid Red 119	
16	Acid Red 97	
17	Acid Red 357	
18	Acid Violet 90	
19	Acid Yellow 42	
20	Acid Orange 142	

The project activity is covered in 5(f) and is of 'B' Category. Public Hearing was Conducted by Gujarat Pollution Control Board on 04/12/2013.

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 23.01.2015 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions.

A. CONDITIONS :

A.1 SPECIFIC CONDITION :

1. Unit shall not manufacture/produce any Azo Dyes which are banned by Govt. of India as per legal undertaking submitted vide letter no. NIL dated 16.10.2014.

A. 2 WATER:

2. Total Fresh water requirement shall not exceed 27.5 KL/day and it shall be met by water supply system of the GIDC-Dahej. Metering of water shall be done and records of daily water consumption shall be maintained. No ground water shall be used for the project. (Initial water consumption shall not exceed 69.5 KL/day and 42 KL/day waste water shall be recycled after treatment).
3. Industrial effluent generation shall not exceed 49 KL/day whereas domestic wastewater generation shall not exceed 2 KL/day.
4. Industrial waste water 47 KLD will be treated in the ETP followed by RO and evaporation system.
5. The domestic wastewater generation shall be disposed off through septic tank - soak pit.
6. No effluent from the plant shall be discharged outside the factory premises and 'Zero' effluent discharge concept shall be followed.
7. The unit shall provide metering facility, maintain records of effluent treated, reused & evaporated and furnish it to the GPCB from time to time.
8. Proper logbooks of ETP, RO & Evaporator operations and also showing chemical consumption, power consumption, quantities of effluent treated, reused, evaporated reused etc. shall be maintained and furnished to the GPCB from time to time.
9. Regular performance evaluation of the ETP, RO & Evaporator shall be undertaken every year to check its adequacy, through credible institutes like L.D. College of Engineering, NPC or such other institutes of similar repute, and its records shall be maintained.
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. 3 AIR :

11. Natural gas to the tune of 16000 Nm³/day 34000 Nm³/day shall be used as fuel in the proposed Steam Boiler (300 Kg/Hr.) and Spray dryer (cap.:1000 Kg/hr) respectively.
12. Cyclone separator followed by water scrubber shall be installed to control the process emissions from Spray dryer.
13. The air pollution control equipments / systems shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at vent / stack outlets.
14. Stacks of adequate height as per prevailing norms shall be provided for the flue gas and process emissions.
15. HSD to the tune of 40 lit./hr shall be used as fuel in stand by DG set (140 KVA).
16. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
17. Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.
18. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).
19. Regular monitoring of ground level concentrations of SO₂, NO_x, PM₁₀ and PM_{2.5} 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.
20. For control of fugitive emission, VOCs, following steps shall be followed :
 - a) Closed handling and charging system shall be provided for chemicals.
 - b) Reflux condenser shall be provided over Reactors.
 - c) Pumps shall be provided with mechanical seals to prevent leakages.
 - d) System of leak detection and repair of pump/pipeline based on preventive maintenance.

A. 4 SOLID / HAZARDOUS WASTE:

21. The unit must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules 2008. Authorization from the GPCB must be obtained for collection / treatment /storage /disposal of hazardous wastes.

22. The hazardous wastes shall be stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal.
23. ETP sludge and Evaporator salt shall be sent to the Common TSDF. The unit shall obtain necessary membership of the nearest TSDF operator before commencing production activities.
24. Used oil shall be sold only to the registered recyclers.
25. The discarded containers / drums / liners / bags shall be either reused or sold only to registered recyclers after its decontamination.

A. 5 SAFETY:

26. The project management shall strictly comply with the provisions made in the Factories Act, 1948 as well as Manufacture, Storage and Impact of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals.
27. Necessary approvals from PESO and concerned Govt. Authorities shall be obtained before commissioning of the project.
28. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous chemicals; especially solvents and chlorine.
29. Proper ventilation shall be provided in the work area.
30. Storage and use of hazardous chemicals shall be minimized to the extent possible.
31. Hazardous materials storage shall be at an isolated designated location, bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
32. Storage of hazardous chemicals shall be in multiple small capacity tanks / containers instead of one single large capacity tank to reduce the risk.
33. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Close handling system for chemicals shall be provided.
34. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
35. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity at all the times.
36. Necessary tie up with the nearby doctor qualified for occupational health shall be made to ensure that the medical treatment is given within the shortest possible time in case of any adverse condition.
37. Training shall be given to all workers on safety and health aspects of handling chemicals.
38. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act and Rules.
39. The project management shall prepare a detailed Disaster Management Plan (DMP) for the project as per the guidelines from Directorate of Industrial Safety and Health.
40. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act & Rules.
41. All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.

A. 6 NOISE:

42. The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

A. 7 CLEANER PRODUCTION AND WASTE MINIMISATION:

43. The unit shall undertake the Cleaner Production (CP) 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.
44. The company shall undertake following waste minimization measures:
 - a) Metering and control of quantities of active ingredients to minimize waste.
 - b) Reuse of by-products from the process as raw materials or as raw materials substitutes in other process.
 - c) Use of automated and close filling to minimize spillages.
 - d) Use of close feed system into batch reactors.
 - e) Venting equipment through vapour recovery system.
 - f) Use of high pressure hoses for equipment cleaning to reduce wastewater generation.
 - g) Sweeping / mopping of floor instead of floor washing to avoid effluent generation.
 - h) Regular preventive maintenance for avoiding leakage, spillage etc.

A. 8 GREEN BELT AND OTHER PLANTATION:

45. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation at suitable open land on road sides and other open areas within the GIDC / SEZ area or in nearby locality / schools and submit an action plan of plantation for next three years to the GPCB.
46. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

B. OTHER CONDITIONS:

47. All the recommendations / commitments made in the EIA report of the project shall be implemented.
48. 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.
49. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
50. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
51. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
52. 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.
53. 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.
54. 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.
55. 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.
56. 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.
57. The company shall undertake socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.
58. 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.
59. Concealing factual data or submission of false/fabricated data and 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.
60. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
61. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
62. 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.
63. This environmental clearance is valid for five years from the date of issue.
64. 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:

**Shri Kirti Kumar Jain – Director
M/s. Chenitan Color Chem Pvt Ltd
30/1, Flower Road,
Green Avenue, Kilpark,
Chennai, Tamilnadu**

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
(N.K. PATEL)
Member Secretary