



SANJIV TYAGI
MEMBER SECRETARY
SEIAA, GUJARAT

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
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No. SEIAA/GUJ/EC/5(f)/

/2008

Date:

Time Limit

To,
M/s. Mahak Dye Chem Industries.,
Plot No.1209, Phase-3,
GIDC-Vatva,
Ahmedabad- 382445.

Sub: Environment Clearance for expansion and change in product mix in the existing unit at Plot No.1209, Phase-3, GIDC-Vatva, Ahmedabad- 382445 by M/s. Mahak Dye Chem Industries expansion and change in product mix in Category 5(f) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir,

This has reference to your application made along with Application Form 1, EIA/ EMP and feasibility report and submitted to SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006. Later, SEAC had received this application from the Ministry of Environment & Forests, Government of India, after formation of the State Level Environment Impact Assessment Authority (SEIAA), Gujarat and the State Level Expert Appraisal Committee (SEAC), Gujarat.

The proposal is for Environmental Clearance for manufacturing of the Reactive dyes by M/s. Mahak Dye Chem Industries, Plot No.1209, Phase-3, GIDC-Vatva, Ahmedabad- 382445. The unit is located in notified GIDC area. Total plot area of the company is 703 sq.m. The proposed expansion will be within the existing land. The total cost of the project would be Rs.48.86 Lacs. The unit has applied manufacturing of the following Reactive dyes:

Sr. No.	Name of the product	C.I. Number	Quantity per Month
1.	Reactive Black B/BN/BG/5	--	Total Quantity-50 Mt/Month (MIXOF PRODUCTS)
2.	Reactive Black WNN/R/G	--	
3.	Reactive Golden Yellow HR	31221036	
4.	Reactive Orange 2R/M2R/H2R/ME2RL	31221037	
5.	Reactive Red ME4BL/195	31221002	

6.	Reactive Red ME6BL/250	31221005
7.	Reactive Yellow ME4GL	31221021
8.	Reactive Blue 222	--
9.	Reactive Golden Yellow MERL	31221018
10.	Reactive Navy Blue H2GL/GG	--
11.	Reactive Yellow FG	31221022
12.	Reactive Navy Blue RGB/HRGBL	--
13.	Reactive Yellow GR(Yellow 15)	31221023
14.	Reactive Red M8B	31221005
15.	Reactive Red H8B	31221006

The project activity is covered in 5 (f) and is of 'B' Category. Since the proposed project is in notified industrial area, it does not need Public Consultation as per Para 7(i) III. Stage (3) (b) – Public Consultation of EIA Notification, 2006.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned products. The proposal was considered by SEIAA, Gujarat in its meeting held on 30.08.2008 at Gandhinagar. Since the EIA/ EMP Report was found to be adequate and complete and the public consultation is not required for the project, 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 Specific and General conditions.:

A. SPECIFIC CONDITIONS:

A.1 WATER:

1. No ground water shall be used for the project. Water requirement of 15000 liter per day shall be met with the GIDC supply only.
2. The wastewater generation from the project shall not exceed 7400 liter per day. The treated effluent shall be conveyed to Common Effluent Treatment Plant at Vatva through underground pipeline. Till the CETP, Vatva meets with the GPCB norms at its outlet; the unit shall provide and operate the Effluent Treatment Plant (ETP) with adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms. Once the CETP, Vatva, meets with the GPCB norms at its outlet, the unit shall treat its effluent to meet with the CETP inlet norms.
3. Unit shall provide metering facility at the inlet and outlet of the ETP and maintain the record of the same.

A.2 AIR:

4. There shall not be any process emission from the unit.
5. The unit shall outsource spray drying activity from the other units which has valid consent from the GPCB.
6. LDO / FO shall be used as a fuel in the small industrial boiler (under IBR) and the Hot air Generator as proposed and adequate stack height as per prevailing norms shall be provided.
7. 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. Factories Act & Rules).
8. All the vessels used in the manufacturing process shall be closed to reduce the fugitive emission.

A.3 SOLID WASTE:

9. ETP sludge shall be dried in sludge drying bed. It shall be packed and stored in hazardous waste storage area facility with pucca bottom and leachate collection facility.
10. Unit shall dispose its ETP sludge at TSDF-Vatva. Unit shall obtain necessary permission from the TSDF operator for the same from time to time.
11. Discarded containers / liners shall be sold only to the registered recycler after decontamination.
12. Used oil / waste oil shall be sold only to the registered recycler.

A.4 SAFETY:

13. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
14. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
15. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
16. 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.
17. Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.

A.5 NOISE:

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

A.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

19. The company shall 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 processes.
 - 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.7 GREEN BELT AND OTHER PLANTATION:

20. Unit shall develop green belt within premises as per their commitments given to the SEAC. Further, 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 or in nearby locality or schools and submit an action plan of plantation for next three years to GPCB.
21. The Vatva Industries Association shall endeavor to generate a corpus fund for this purpose and take up

massive greenbelt development activities within the estate and on the periphery of the estate for which the unit shall make appropriate contribution in consultation with the GPCB.

B. GENERAL CONDITIONS:

22. The applicant shall take all steps to improve the housekeeping in the unit.
23. The applicant shall study the GPCB report and implement the same for cleaner production.
24. The applicant shall appoint a trained environmental Engineer or Scientist. They shall submit the appointment letter for the same to the GPCB at the time of CCA application.
25. The applicant agreed to provide Primary, Secondary & tertiary ETP to achieve the GPCB norms.
26. Impervious layer in the work area, chemical storage area and chemical handling area shall be provided to minimize soil contamination.
27. Leakages from the pipes, pumps, shall be minimal and in case the same occurs it shall be arrested promptly.
28. 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.
29. 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.
30. The applicant 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.
31. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
32. 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.
33. 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.
34. 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.
35. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
36. 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.
37. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
38. 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 and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
39. This Environmental Clearance is valid for five years from the date of issue.

With regards,
Yours sincerely,

(SANJIV TYAGI)
Member Secretary,
State Level Environment Impact Assessment Authority
Gujarat

Copy to:-

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, 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. Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10-A, Gandhinagar-382 010.
6. Select File.