



**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. Vishal Industries**  
**Plot No. L-1210,**  
**Phase-1 GIDC-Chhatral,**  
**Taluka: Kalol,**  
**District: Gandhinagar.**

**Sub: Environment Clearance for manufacturing of chemicals at Plot No. L-1210, Phase-1, GIDC-Chhatral, Taluka: Kalol, District: Gandhinagar by M/s. Vishal Industries ..... 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 MoEF, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006. Later, SEAC had received this application from the Ministry of Environment & Forest, 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 chemicals by M/s. Vishal Industries, Plot No. L-1210, Phase-1, GIDC-Chhatral, Taluka: Kalol, Dist. Gandhinagar. The unit is located in to the notified industrial estate of GIDC-Chhatral. The proposed expansion will be within the existing land. The total cost of the project would be Rs. 25 Lacs. The Applicant has applied for manufacturing following chemicals:

<b>Sr. No.</b>	<b>Name of the Product</b>	<b>Quantity per Year</b>
1.	Sodium Citrate I.P.	15 Mt/Month (Total quantity )
2.	Di Sodium Hy. Citrate B.P.	
3.	Potassium Citrate I.P.	
4.	Di Sodium Edetate I. P. (Di Sodium Salt)	
5.	Calcium Citrate U.S.P.	
6.	Piperazine Citrate I.P.	

The project activity is covered in 5 (f) and is of 'B' Category. Since The unit is located in to the notified industrial estate of GIDC-Chhatral, 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 14<sup>th</sup> 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 consumption for the project shall be 1200 Liter/day which shall be piped water to be supplied by GIDC. The water meter shall be installed and maintained regularly.
2. There shall not be industrial waste water discharge from the unit. The industrial wastewater about 125lit/ day generated from the unit shall be evaporated in to the jacketed steam evaporator with in plant. The domestic wastewater shall be discharged through septic tank and soak pit.
3. Unit shall provide metering facility at the inlet of the evaporator and shall maintain the records of the quantities of waste water generated, re-used and evaporated in printed log book.

##### **A.2 AIR:**

4. The L.D.O. shall be used as a fuel in Hot Air Generator and in boiler (as per IBR) and adequate stack height as per GPCB norms shall be provided. Unit shall explore use of Natural Gas as fuel.
5. There shall be no process emission.
6. Air pollution control measures like bag filters shall be provided at pulverizer to control emission of particulate matter. Pulverizing activities shall be carried out in the confined area and controlled manner and all necessary steps shall be taken to reduce the fugitive emission from the unit.
7. The fugitive emission in the work zone environment shall be monitored regularly through the third party. The emission shall strictly conform to the standards prescribed by the concerned authorities from time to time.
8. All the vessels used in the manufacturing process shall be close to reduce the fugitive emission.

##### **A.3 SOLID WASTE:**

9. All types of the wastes shall be stored separately in the hazardous waste storage area facility to be provided in the premises.
10. The ETP sludge shall be dried in sludge drying bed & shall be packed and stored in hazardous waste

storage area facility with pucca bottom and adequate leachate collection facility.

11. The unit shall disposed its ETP waste at TSDF and obtain prior permission of TSDF operator from time to time.
12. Used oil / waste oil shall be sold to only to the registered recycler.
13. Discarded containers / liners shall be sold only to the registered recycler after decontamination.

#### **A.4 SAFETY:**

14. All the hazardous raw materials shall be stored in optimum quantity. All necessary permissions in this regard shall be obtained from competent authorities before commencing the project.
15. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
16. 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, 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.
17. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
18. 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 on regular basis as per Factories Act & Rules.
19. Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.

#### **A.5 NOISE:**

20. 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:**

21. 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:**

22. Unit shall develop green belt within premises in 150 Sqm. Further, 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.

**B. GENERAL CONDITIONS:**

23. All the recommendations made in the EMP report of the project shall be implemented.
24. All the transportation routes in the factory premises shall be well paved to minimize the fugitive emission and to prevent soil contamination.
25. Impervious layer in the work area, chemical storage area and chemical handling area shall be provided to minimize soil contamination.
26. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
35. 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.
36. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
37. 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.

38. 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.