



No. SEIAA/GUJ/EC/5(f)/1203/2015

Date: 31-03-2015

Time Limit

Sub: Environment Clearance for M/s. Vithal Castor Polyols Pvt. Ltd., for setting up manufacturing unit of various types of Bio-Polyols at Plot no. 26/A, GIDC-Jhagadia, 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 submitted on dated 01/07/2014 seeking Environmental Clearance under Environment Impact Assessment Notification, 2006 and additional information / documents submitted vide letters dated 05/11/2014 to the SEAC.

The proposal is for Environmental Clearance for M/s. Vithal Castor Polyols Pvt. Ltd., for setting up manufacturing unit of various types of Bio-Polyols at Plot no. 26/A, GIDC-Jhagadia, Dist.: Bharuch. It is a new unit for manufacturing following products, which falls in the category - 5(f) of the schedule of the EIA Notification-2006:

Sr. No.	Product	Quantity
1	Various Polyols e.g. Polyol-H, N	1000 MT/Moth
2	Fatty Acid	140 MT/Moth
3	High Potash Org. Ash	50 MT/Moth
	Total	1190 MT/Moth

The project activity is covered in 5(f) and is of 'B' Category. Since, the proposed project is categorized as B2 project, public consultation is not required as per paragraph 7(i) (III) (i) (e) 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 27.03.2015 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 WATER:

1. Total Fresh water requirement shall not exceed 89 KL/day and it shall be met by water supply system of the GIDC-Jhagadia. Metering of water shall be done and records of daily water consumption shall be maintained. No ground water shall be used for the project.
2. Industrial effluent generation shall not exceed 32 KL/day (Low COD effluent stream 30 KL & High COD effluent stream 2 KL) whereas domestic wastewater generation shall not exceed 5 KL/day.
3. Low COD stream shall be treated in Primary, Secondary and Tertiary treatment plant followed by RO system. Recovered water i.e Permeate stream (31 KL/day) shall be reused in cooling towers.
4. The domestic wastewater generation shall be disposed off through septic tank - soak pit.
5. No effluent from the plant shall be discharged outside the factory premises and 'Zero' effluent discharge concept shall be followed.
6. Proper logbooks of ETP, RO & MEE 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.
7. The unit shall provide metering facility, maintain records of effluent treated & reused and furnish it to the GPCB from time to time.
8. Regular performance evaluation of the ETP, RO & MEE 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.

9. 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. 2 AIR :

10. DOC (De-Oil Cake) or Agro Waste Briquettes to the tune of 25 MT/day shall be used as fuel in the proposed two no.s of Thermic Fluid Heaters (TFH) having capacity 10 Lac Kcal/hr & 2 Lac Kcal/hr.
11. Separate Multi Cyclone and Bag filters shall be provided as APCM for two no.s of TFH. Separate stacks with 30 meter height shall be provided.
12. The air pollution control equipments / systems shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at vent / stack outlets.
13. Stacks of adequate height as per prevailing norms shall be provided for the flue gas and process emissions.
14. Diesel to the tune of 100 lit./hr shall be used as fuel in two no.s of stand by DG sets (600 KVA).
15. 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.
16. 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.
17. 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).
18. 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.
19. 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 / Vessels.
 - 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. 3 SOLID / HAZARDOUS WASTE:

20. The company shall 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 of the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.
21. The hazardous wastes shall be stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
22. ETP sludge and evaporation residue shall be disposed off at the nearest TSDF. The unit shall obtain membership of the common TSDF for disposal of ETP sludge & evaporation residue.
23. Resin waste shall be sent to the nearest Common Hazardous Waste Incineration Facility (CHWIF). The unit shall obtain membership of the nearest CHWIF for disposal of resin waste.
24. Discarded containers/drums/bags/liners shall be either reused or sold to the authorized recyclers after its decontamination.
25. Used oil shall be sold only to the registered recyclers.

A. 4 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 (If any) 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. 5 NOISE:

42. 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. 6 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 various waste minimization measures including :
 - a) Metering and control of quantities of active ingredients to minimize waste.
 - b) Use of automated and enclosed filling to minimize spillage.
 - c) Use of close feed system into batch reactors.
 - d) Regular preventive maintenance for avoiding leakage, spillage etc.
 - e) Dry cleaning / mopping of floor instead of floor washing.
 - f) Regular preventive maintenance for avoiding leakage, spillage etc.

A. 7 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 on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.

B. OTHER CONDITIONS:

46. 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.
47. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
48. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
49. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
50. 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.
51. 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.
52. 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.
53. 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.

54. 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.
55. The company shall undertake socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.
56. Project proponent shall implement the action plan for beneficiation of the farmers and other commitments made in their submission vide letter dated 17/11/2014.
57. 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.
58. 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.
59. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
60. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
61. 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.
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. 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

(N.K. PATEL)

Member Secretary

Issued to:

**Shri Sudhir Udeshi,
M/s.: Vithal Castor Polyols Pvt. Ltd.
701, Tower "A", Peninsulla Business Park,
Senapati Bapat Marg, Lower Parle (W),
Mumbai - 400013**

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