



No. SEIAA/GUJ/EC/5(f)/118 /2015

Date: 09-03-2015

Time Limit

Sub: Environment Clearance for M/s. Trend India for setting up a unit for manufacturing Para Nitro Toluene Ortho Sulphonic Acid (PNTOSA) at Plot No: K-1/21 & 22, GIDC Estate, Kalol, Dist.: Gandhinagar..... 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 09/04/2013, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006, and additional information / documents vide letters dated 15/02/2014 and 05/11/2014, Submitted to the SEAC.

The proposal is for Environmental Clearance for **M/s. Trend India for setting up a unit for manufacturing Para Nitro Toluene Ortho Sulphonic Acid (PNTOSA) at Plot No: K-1/21 & 22, GIDC Estate, Kalol, Dist.: Gandhinagar.** 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	Para Nitro Toluene Ortho Sulphonic Acid (PNTOSA) 100% basis	100 MT/Month
2	Dilute Sulfuric Acid (60-65%) – By Product	180 MT/Month

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 06.02.2015 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 :

- Unit shall use Bio-Fuel (Briquettes of Agro waste) only for Boiler and there shall be no use of wood as fuel as per the undertaking submitted to SEAC vide letter no. NIL dated 15/02/2014.
- By-product Dilute Sulfuric Acid (60-65%) shall be sold only to the authorized actual end consumers as per willingness letters of purchasers submitted vide letter no. NIL dated 15/02/2014. Records of sell of by-products shall be maintained and submitted to the GPCB at regular intervals.

A. 2 WATER:

- Fresh water requirement shall not exceed 11.5 KL/day and the fresh water shall be met only with water supply system managed by GIDC. The 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.
- Industrial effluent generated from manufacturing process and other utilities shall not exceed 1.35 KL/day which includes domestic waste water-0.2 KL/day, process & washing- 0.5 KL/day, cooling tower-0.5 KL/day and softening regeneration plant-0.15 KL/day.
- Industrial waste water- 1.15 KL/day shall be reused back in the process after primary treatment.
- Domestic waste water shall be disposed off through septic tank & soak pit system.
- No effluent from the plant shall be discharged outside the factory premises and Process effluent/any wastewater shall not be allowed to mix with storm water.
- The unit shall provide metering facility at the inlet and outlet of the Effluent Treatment Plant and maintain the records of the same.

9. The unit shall have to maintain separate logbook for operation of ETP and reuse system 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 Government / GIDC.

A. 3 AIR :

11. Bio-fuel (briquettes of agro waste) to the tune of 7 MT/Month shall be used as fuel for Steam Boiler (Cap.:600 Kg/hr). Multi Cyclone shall be provided as APCM with Boiler.
12. Unit shall provide Sulphuric acid tank followed by water scrubber as an APCM to control Process emission of SO₃/SO₂ from Oleum storage tank and Sulphonation vessel.
13. The Air Pollution Control Systems shall be operated regularly and efficiently to control the pollutant concentration below the GPCB norms at the stack outlets.
14. Flue gas emissions and process emissions shall conform to the standards prescribed by the GPCB. At no time, the emission levels shall go beyond the stipulated standards.
15. 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.
16. All the vessels used in the manufacturing process shall be close to reduce the fugitive emission.
17. 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).
18. Regular monitoring of ground level concentration of SO₂, NO_x, Acid Mist, 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.

A. 4 SOLID / HAZARDOUS WASTE:

19. 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.
20. 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.
21. ETP sludge shall be sent to the Common TSDF. The unit shall obtain necessary membership of the nearest TSDF operator before commencing production activities.
22. Used oil shall be sold to the approved registered recyclers.
23. Discarded containers and plastic liners shall be sold to the authorized vendors after its decontamination.

A. 5 SAFETY:

24. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.
25. You shall have to strictly comply with "Manufacture, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989" and amended thereof.
26. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous chemicals.
27. 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.
28. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
29. Storage of hazardous chemicals shall be in multiple small capacity tanks / containers instead of one single large capacity tank for safety purpose.
30. 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.
31. 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.
32. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.

33. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
34. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
35. 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.
36. Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.
37. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.

A. 6 NOISE:

38. 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. 7 CLEANER PRODUCTION AND WASTE MINIMISATION:

39. 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. 8 GREEN BELT AND OTHER PLANTATION:

40. 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 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:

41. All the recommendations / commitments made in the EIA report of the project shall be implemented.
42. 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.
43. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
44. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
45. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
46. 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.
47. 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.
48. 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.
49. 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.
50. 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.
51. The company shall undertake socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.

52. 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.
53. 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.
54. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
55. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
56. 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.
57. 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.
58. This environmental clearance is valid for five years from the date of issue.
59. 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,

Sd/-
(N.K. PATEL)
Member Secretary

Issued to:
Shri Alpesh Patel - Partner
M/s: Trend India,
Plot no. K-1/21 & 22, GIDC estate, Kalol,
Gandhinagar-382721

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

Sd/-
(N.K. PATEL)
Member Secretary