

No. SEIAA/GUJ/EC/5(f)/ 815 /2015

Date: 30-03-2015

Time Limit

Sub: Environment Clearance for M/s. Dyna Glycols Pvt. Ltd for the proposed additional products through ethoxylation and propoxylation etc. within the existing premises at Plot No: 268-B, Sector-4, Kandla Special Economic Zone (SEZ), Gandhidham, Dist.: Kutch..... 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 04/05/2013 seeking Environmental Clearance under Environment Impact Assessment Notification, 2006 and EIA report and additional information / documents vide letters submitted on dated 29/05/2014 & 27/11/2014 to the SEAC.

The proposal is for Environmental Clearance for **M/s. Dyna Glycols Pvt. Ltd. for the proposed additional products through ethoxylation and propoxylation etc. within the existing premises at Plot No: 268-B, Sector-4, Kandla Special Economic Zone (SEZ), Gandhidham, Dist.: Kutch.** It is an existing unit engaged in repacking of polyethylene glycols of various grads. Now the unit is proposing to manufacture additional products through ethoxylation and propoxylation etc. within the existing premises as shown below : which falls in the category - 5(f) of the schedule of the EIA Notification-2006:

Sr. No.	Products Name	Capacity (MT/Month)
1.	Polyethylene Glycols- Mol. Wt. 200, 300, 400 & 600	460
2.	Polyethylene Glycols – Flakes Mol. wt. 4000, 6000, 12,000	40
3.	Poly Propylene Glycol-1000	20
4.	Poly Propylene Glycol-2000	20
5.	EO/PO Block CO-Polymer- F-68	40
6.	Ethoxylated Lauryl Alcohol -2 Moles to 12 Moles	40
7.	Ethoxylated Tridecyl Alcohol - 3 Moles to 18 Moles	40
8.	Ethoxylated Ceto Setaryl Alcohol - 20 Mole to 80 Mole	80
9.	Ethoxylated Stearic Acid 10 Mole	40
10.	EO/PO Block CO-polymer--L61	20
11.	EO/PO BlockCO-polmer---L-62	20
12.	EO/PO BlockCO-polmer—L-64	20
13.	Ethoxylated NonylPhenol-4Moleto150Mole	40
14.	Ethoxylated CastorOil -2.5Moleto40Mole	40
15.	Ethoxylated OleylCetylAlcohol-5Moleto25Mole	20
16.	Ethoxylated Neodol91-2Mole to 9 Moles	40
17.	Alkoxylation of Mixed Linear Primary alcohols (range C9 to C17)	40
18.	Ethoxylated Neodol11/(C11AlcoholEthoxylate)	40
19.	Ethoxylated Neodol9/(C9AlcoholEthoxylate)	20
20.	Ethoxylated 2 Ethyl Hexanol	20
21.	Propoxylated 2 Ethyl Hexanol	20
22.	Ethoxylated Hydrogenated CastorOil-16Moleto40Mole	20
23.	Ethoxylated DecylAlcohol	20
24.	PolyAlkyleneLaurylEther	20
25.	Ethoxylated TrimethylolPropane	20
Total		1200 (MT/Month)

project. The proposal was considered by SEIAA, Gujarat in its meeting held on 13.03.2015 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 SPECIFIC CONDITION :

1. Unit shall not use F.O. as fuel in boiler as per legal undertaking submitted vide letter no. NIL dated 29.05.2014.

A. 2 WATER:

2. Fresh water requirement shall not exceed 68.5 KL/day and the source of the water shall be Kandla SEZ. No ground water shall be tapped for the project requirements.
3. There shall be no waste water generation from the manufacturing process.
4. Industrial waste water from washing of equipments (including drum decontamination) and utility section) shall not exceed 6 KL/day.
5. Industrial waste water shall be treated in the ETP comprises of Primary, Secondary & Tertiary treatment units and treated water will be utilized for irrigation purpose within premises.
6. The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening. There shall not be any discharge outside the factory premises.
7. Domestic waste water generation 4 KL/day which shall be disposed off through septic tank into soak pit.
8. Flow meters shall be provided on inlet & outlet of the ETP and proper logbook shall be maintained regarding generation & reuse/recycle of industrial wastewater and shall be furnished to the GPCB from time to time.
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 SEZ or GPCB or any such authority created for this purpose by the Govt. / SEZ.

A. 3 AIR :

10. LDO to the tune of 60 liters/hr shall be used as a fuel in the proposed 2 no.s of steam boilers having capacity 600 kg/hr each.
11. HSD to the tune of 40 liter/hr shall be used as a fuel in a D. G. Set - 125 KVA.
12. The gaseous emissions from DG set & Boilers shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG set to mitigate the noise pollution.
13. Stack of adequate height shall be provided as per the prevailing norms for flue gas emission.
14. Flue gas emission from the steam boiler shall conform to the standards prescribed by the GPCB. At no time, emission level should go beyond the stipulated standards.
15. There shall be no process gas emission from the manufacturing activity.
16. All the vessels used in the manufacturing process shall be closed to reduce the fugitive emission.
17. Fugitive emission in the work zone environment, product and raw materials storage area etc. shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time.
18. For control of fugitive emission, VOCs and odour following steps shall be followed:
 - a) Closed handling system shall be provided for chemicals, especially Formaldehyde.
 - b) Pumps shall be provided with mechanical seals to prevent leakages.
 - c) System of leak detection and repair of pump/pipeline based on preventive maintenance.
 - d) Formaldehyde shall be taken from storage tank to Reactor through closed pipeline.
 - e) Vent of the Formaldehyde Storage Tank shall be vented through condenser operated on chilled water or dipped in the water tank.

4 SOLID / HAZARDOUS WASTE:

19. 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 from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.
20. The hazardous wastes shall be stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
21. ETP waste shall be sent to TSDF site. The unit shall obtain membership of the nearest TSDF for disposal of ETP waste.
22. Used oil shall be sold only to the registered recycler.

24. The company shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended.
25. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
26. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
27. 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.
28. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
29. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
30. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
31. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
32. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
33. 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.
34. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.

A. 6 NOISE:

35. 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:

36. 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 reactor.
 - d) Regular preventive maintenance for avoiding leakage, spillage etc.
 - e) Dry cleaning of floor with vacuum cleaner device instead of floor washing.
 - f) Regular preventive maintenance for avoiding leakage, spillage etc.

A. 8 GREEN BELT AND OTHER PLANTATION:

37. 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.

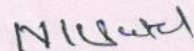
B. OTHER CONDITIONS:

38. All the recommendations / commitments made in the EIA report of the project shall be implemented.
39. 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.
40. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
41. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
42. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
43. 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.
44. 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.
45. 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.

47. 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.
48. The company shall undertake socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.
49. 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.
50. 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.
51. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
52. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
53. 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.
54. 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.
55. This environmental clearance is valid for five years from the date of issue.
56. 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:

**Mr. S. Anna Marian,
Unit Head Plant Manager,
M/s. Dyna Glycols Pvt. Ltd.,
Plot No:268-B, Sector-4,
Kandla Special Economic Zone,
Gandhidham, Dist.: Kutch.**

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)

Member Secretary