



No. SEIAA/GUJ/EC/5(f)/3075/2015

Date: 21-08-2015

BY R.P.A.D

Time Limit

Sub: Environment Clearance for M/s. Rebecca Laminates, for setting up of a Resin manufacturing unit at Survey o. 132/P1, 8-A National High Way, Village: Bahudurgardh, Ta.: Morbi, Dist: Rajkot..... 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 for expansion project at MoEF vide letter dated 30/07/2010 seeking Environmental Clearance under Environment Impact Assessment Notification, 2006. The project was scheduled for hearing appraisal in the SEAC meetings held on 09/02/2015 & 29/04/2015. The project proponent submitted final EIA/EMP report to MoEF&CC on 11/10/2014.

The proposal is for Environmental Clearance for **M/s. Rebecca Laminates, for setting up of a Resin manufacturing unit at Survey o. 132/P1, 8-A National High Way, Village: Bahudurgardh, Ta.: Morbi, Dist: Rajkot.** It is a new unit proposes for manufacturing following Synthetic Organic Chemical Products: which falls in the category - 5(f) of the schedule of the EIA Notification-2006:

Sr. no.	Name of Product	Quantity/ Month
1	Phenol Formaldehyde Resin	87.5 MT
2	Melamine Formaldehyde Resin	37.5 MT
3	Laminated Sheets	69000 Sheets

Public Hearing was conducted by GPCB on dated 27/11/2013.

The SEAC, Gujarat had recommended the project vide their letter dated 15.07.2015 to grant Environmental Clearance to the SEIAA, Gujarat based on the decision taken during SEAC meeting held on 29.04.2015. The proposal was considered by SEIAA, Gujarat in its meeting held on 07.08.2015 at Gandhinagar. After careful consideration, 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 conditions.

**CONDITIONS :**

**A. 1 SPECIFIC CONDITIONS :**

1. Entire quantity of effluent to be generated from the proposed production will be completely evaporated and shall not be discharge/sent outside the premises in any case.
2. Effective evaporation system shall be designed in such a way to strip or absorb the VOCs and effective stack height shall be provided to the evaporation system. Evaporation residue shall be either reused in process or disposed off at TSDF/CHWIF depending on its characteristic.

**A. 2 WATER:**

3. Fresh water requirement for the project shall be 21.8 KL/day and it shall be met through the Bore well. Metering of water withdrawal shall be done and its records shall be maintained.
4. Generation of industrial effluent shall not exceed 2.2 KL/day and it shall be completely evaporated in Evaporator after its primary treatment. Hence, there shall be no industrial effluent discharge from the unit.
5. The unit shall provide ETP and Evaporator of adequate capacity as proposed. The ETP and Evaporator shall be operated regularly and efficiently.
6. No effluent from the plant shall be discharged outside the factory premises and 'Zero' effluent discharge concept shall be followed.
7. Process effluent/any wastewater shall not be allowed to mix with storm water.
8. The domestic wastewater generation shall not exceed 2 KL/day and it shall be disposed off through septic tank - soak pit.

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. 3 AIR :**

10. There shall be no process gas emission from the unit.
11. Imported Coal to the tune of 10 MT/day and 2 MT/Day shall be used in Steam Boiler (4 TPH) and TFH (10 Lac Kcal/hr) respectively.
12. Multi Cyclone separator followed by Bag filter shall be installed as air pollution control equipments for the Boiler and TFH and the same shall be operated regularly and efficiently so as to achieve the GPCB norms at the stack outlet.
13. HSD to the tune of 50 ltr/hr shall be used as fuel for stand-by DG set (250 KVA).
14. The flue gas emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. At no time, the emission levels shall go beyond the stipulated standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
15. Dust collector shall be provided for Sanding and Cutting machine.
16. All the reactors / 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. Monitoring of Methanol & Formaldehyde along with other relevant parameters like PM10, PM2.5, SO2, NOx, and VOCs in work zone environment, product, raw materials storage area, ambient air etc. shall be carried out regularly and records maintained. The emissions shall conform to the limits imposed by GPCB.
19. Airborne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.
20. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
21. 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. 4 SOLID / HAZARDOUS WASTE:**

22. 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.
23. The hazardous wastes shall be stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
24. ETP sludge shall be disposed off at the nearest TSDF.
25. Resin waste & evaporation residue shall be disposed off at TSDF/CHWIF depending on its characteristic.
26. The unit shall obtain necessary permission from the nearby TSDF site/CHWIF (Whichever is applicable).
27. Discarded containers/drums/bags/liners shall be either reused or sold to the authorized recyclers after its decontamination.
28. Used oil shall be sold only to the registered recyclers.

#### **A. 5 SAFETY:**

29. The company shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended.
30. Storage of flammable chemicals shall be sufficiently away from the production area.
31. Sufficient no. of fire extinguishers shall be provided near the plant and storage area.
32. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
33. Only flame proof electrical fittings shall be provided in the plant premises.
34. 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.
35. 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.

36. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
37. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
38. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
39. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
40. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
41. 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.
42. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
43. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.

#### **A. 6 NOISE:**

44. 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:**

45. 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. 8 GREEN BELT AND OTHER PLANTATION:**

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. All the recommendations / commitments made in the EIA/EMP report of the project shall be implemented.
48. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
49. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
50. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
51. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
52. 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.
53. 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.
54. The company shall undertake socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.
55. 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.

56. 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.
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 seven 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,

**(DARPANA NDHIMMAR)**  
**Member Secretary**

*Issued to:*

**Mr. Gopal M. Charola**  
**M/s: Rebecca Laminates,**  
**202, Gautam Apartment,**  
**Gautam Society, Ravapar Road,**  
**Morbi, Rajkot -363 641.**

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

**(DARPANA DHIMMAR)**  
**Member Secretary**