



No. SEIAA/GUJ/EC/5(f)/ 3074 /2015

Date: 21-08-2015

BY R.P.A.D

Time Limit

Sub: Environment Clearance for M/s. Sika India Pvt. Ltd. for expansion in unit located at Plot No. 916, Jhagadia GIDC, Village: Vakhatpura, Taluka: 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 for expansion project at MoEF vide letter dated 18/03/2013 seeking Environmental Clearance under Environment Impact Assessment Notification, 2006. The project proponent submitted final EIA/EMP report to MoEF&CC on 03/05/2014. Later on, the MoEF&CC transferred this case to vide their letter dated 11/02/2015. The project was scheduled for hearing appraisal in the SEAC meeting held on 29/04/2015.

The proposal is for Environmental Clearance for M/s. Sika India Pvt. Ltd. for expansion in unit located at Plot No. 916, Jhagadia GIDC, Village: Vakhatpura, Taluka: Jhagadia, Dist: Bharuch. It is an existing unit proposes for expansion of the project as mentioned below: which falls in the category - 5(f) of the schedule of the EIA Notification-2006:

Sr. No.	Name of the Product	Production Capacity, MT/Annum
Existing		
1	Concrete Admixture Products	90000
2	Cementitious Mortar (Powder) Products	60000
3	Epoxy Resin based Industrial Flooring, Adhesives & Grouts Products	15000
	Total	165000
Proposed		
1	Polymer MR (Medium Range Polymer)	1,250
2	Membrane (Liquid Applied Membrane Poly Urathrene, Poly Vinyl Chloride & Waterbar)	3,000
3	Sealant (Poly Sulphide)	1,500
	Total	5750
	Total Production	170750

The project activity is covered in 5(f) and is of 'B' Category. Since, the proposed project is located in the notified industrial area, public consultation is not required as per paragraph 7(i) (III) (i) (b) of the Environment Impact Assessment Notification-2006.

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 14th September, 2006 subject to the compliance of the following conditions.

CONDITIONS :

A. 1 WATER:

1. Fresh water requirement for after proposed expansion shall not exceed 111.5 KL/day (4.5 KL Domestic + 72 KL Process + 2 KL Boiler + 3 KL Washing + 30 KL gardening) including 6.8 KL of recycled water and the fresh water shall be supplied by the 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.

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2. Total water requirement after proposed expansion will be 111.5 KL/day (4.5 KL Domestic + 72 KL Process + 2 KL Boiler + 3 KL Washing + 30 KL gardening) including 6.8 KL of recycled water.
3. There shall be no increase in industrial effluent generation. Total effluent 6.8 KL (3 KL washing + 0.2 KL Boiler Blow down + 3.6 KL Domestic) shall be treated in existing ETP comprises of Primary, Secondary & Tertiary treatment units and after treatment, 6.8 KL/day will be recycled and reused for gardening within premises.
4. Unit shall have to operate effluent treatment plant in such a way that treated effluent will always meet discharge norms for greenbelt deposal.
5. 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.
6. The unit shall provide metering facility at the inlet and outlet of the Effluent Treatment Plant and maintain the records of the same.
7. A proper logbook of the ETP operation, reuse/recycle of treated effluent, power consumption, chemical consumption etc. shall be maintained and shall be furnished to the GPCB from time to time
8. 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. 2 AIR :

9. Natural Gas to the tune of 35 SCM/Hr or HSD to the tune of 29 lit./hr shall be used in existing steam Boiler.
10. Natural Gas to the tune of 48 SCM/Hr or HSD to the tune of 48 lit./hr shall be used in existing DG Sets.
11. 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.
12. There shall be no additional fuel requirement for proposed expansion.
13. Unit shall provide Bag filter with Membrane Plant to control particulate matter.
14. Stack and water scrubber system of existing Admixture Plant shall be used for proposed Polymer MR Plant.
15. Unit shall provide Carbon active filter with Sealant Plant as Air Pollution Control measures.
16. Existing APCM (Bag filter with Mortar plant and water scrubber with Admixture plant to control PM) as well as proposed APCM shall be operated regularly and efficiently to control the pollutant concentration below the GPCB norms at the stack outlets.
17. Flue gas emissions shall conform to the standards prescribed by the GPCB. At no time, the emission levels shall go beyond the stipulated standards.
18. 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.
19. All the vessels used in the manufacturing process shall be close to reduce the fugitive emission.
20. 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).
21. Regular monitoring of ground level concentration of SO₂, NO_x, PM₁₀, PM_{2.5} CO, HC and VOC 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.
22. Airborne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.
23. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
24. 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:

25. 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.

26. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
27. Flue gas cleaning residue, Chemical sludge from waste water treatment & Used Filter shall be disposed off at the nearby common TSDF.
28. Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse, Process Waste Residue & Sludge and Waste Residue (Resin) shall be sent to Common Hazardous Waste Incineration Facility (CHWIF).
29. Discarded barrels / containers / bags / liners shall be either reused or returned back to suppliers or sold only to the authorized vendors after decontamination.
30. Used oil shall be sold only to the registered recyclers.
31. ETP waste & contaminated filter cloth shall be disposed off at the nearest TSDF.
32. The unit shall obtain necessary permission from the nearby TSDF site and CHWIF.

A. 4 SAFETY:

33. The company shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended.
34. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
35. Storage of flammable chemicals shall be sufficiently away from the production area.
36. Sufficient no. of fire extinguishers shall be provided near the plant and storage area.
37. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
38. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
39. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
40. Only flame proof electrical fittings shall be provided in the plant premises.
41. 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.
42. 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.
43. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
44. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
45. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
46. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
47. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
48. 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.
49. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
50. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
51. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.

A. 5 NOISE:

52. 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:

53. 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:

54. 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:

55. 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.
56. All the recommendations / commitments made in the EIA/EMP report of the project shall be implemented.
57. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
58. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
59. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
60. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
61. 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.
62. 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.
63. The company shall undertake socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.
64. 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.
65. 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.
66. 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.
67. 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.
68. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
69. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
70. 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.
71. 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.
72. This environmental clearance is valid for seven years from the date of issue.

73. 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 DHIMMAR)
Member Secretary

Issued to:

Mr. Vikram Raval,
M/s. Sika India Pvt. Ltd.
Plot No. 916, Jhagadia GIDC,
Village: Vakhatpura,
Taluka: Jhagadia, Dist.: Bharuch

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

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