



SANJIV TYAGI
MEMBER SECRETARY
SEIAA, GUJARAT

STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY
Paryavaran Bhavan
Sector-10 A, Gandhinagar-382 010, GUJARAT
Phone : (079) 232-32152
Fax : (079) 232-22784
E-mail : seiaaguj@yahoo.com

No. SEIAA/GUJ/EC/5(f)/ /2008

Date: . .

Time Limit

To,
M/s. CTX Lifesciences Pvt Ltd,
Block no 251/P, 252/P, 253-255,
256/P, 258/P, 276/P, 277, 278/P,
279-282,283/P, 284/P,
GIDC Sachin,
Dist Surat – 394 230

Sub: Environment Clearance for expansion in the existing unit at Block no 251/P, 252/P, 253-255, 256/P, 258/P, 276/P, 277, 278/P, 279-282, 283/P, 284/P, GIDC Sachin, Dist Surat – 394 230 by M/s. CTX Lifesciences Pvt Ltd, Expansion Products in Category 5 (f) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir,

This has reference to your application made along with Application Form 1, EIA/ EMP and feasibility report submitted to MoEF, seeking environmental clearance under Environment Impact Assessment Notification, 2006. Later, SEAC had received this application from the Ministry of Environment & Forest, Government of India, after formation of the State Level Environment Impact Assessment Authority (SEIAA), Gujarat and the State Level Expert Appraisal Committee (SEAC), Gujarat.

It is noted that the proposal is for environmental clearance for expansion for production of intermediates by CTX Lifesciences Pvt Ltd, Block no 251/P, 252/P, 253-255, 256/P, 258/P, 276/P, 277, 278/P, 279-282,283/P, 284/P, GIDC Sachin, Dist Surat – 394 230. The unit is located in notified industrial estate. Total land acquired is **1,08,917 m²**. Expansion will be within existing land. Total cost of the project is **3 Crores**. The cost of **Common Effluent Treatment Plant (CETP), Common Liquid waste incinerator & existing**

air pollution control equipments for Colourtex Industries Ltd. & CTX Lifesciences Pvt. Ltd. at Colourtex Industries Ltd. is around Rs. 8.6 Crores. The list of the expansion of intermediates [as per annexure-I attached herewith]in the existing unit.

The project activity is covered in 5 (f) and is of 'B' Category. Since the proposed project is in notified industrial area, it does not need Public Consultation as per Para 7(i) III. Stage (3) (b) – “Public Consultation” of EIA Notification, 2006.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned products. The proposal was considered by SEIAA, Gujarat in its meeting held on 13.02.2008 at Gandhinagar. Since the EIA/ EMP Report was found to be adequate and complete and as the public consultation is not required for the project, 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 Specific and General conditions.:

A. Specific Conditions:

A.1 WATER:

1. Generated industrial effluent shall be treated in the existing Common Effluent Treatment Plant and the treated effluent shall be discharged through underground pipeline.
2. Unit shall provide metering facility at the inlet and outlet of the ETP and maintain records for the same.

A.2 AIR:

3. High efficiency scrubbers shall be provided for scrubbing process emissions.
4. Bag filters shall be provided to control the particulate emissions. Adequate stack height as per the prescribed norms shall be provided.
5. Spent solvent recovery shall not be less than 95 percent. Measures shall be taken to reduce the process solvent vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.
6. Gaseous emission at workplaces shall be controlled and kept below the limits prescribed by the Factories Act and Rules. Their records shall be maintained.
7. The gaseous emissions and particulate matter from various process units shall conform to the standards prescribed by GPCB. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the prescribed standards.

8. The ambient air quality shall be monitored in and around the project area, and the location of ambient air quality monitoring stations shall be reviewed in consultation with the GPCB and additional stations shall be installed, if required in the downwind directions as well as at places where maximum ground level concentrations are anticipated.

A.3 SOLID WASTE:

9. Hazardous and toxic waste generated during process like distillation residue, spent carbon, spent mixture solvent, process organic residue shall be incinerated in a properly designed incinerator with energy recovery facility. The incinerator shall meet the CPCB standards and guidelines.
10. ETP sludge shall be dried in sludge drying bed. It shall be packed and stored in hazardous waste storage area facility with pucca bottom and leachate collection facility.
11. Unit shall dispose Haz waste at group company TSDF of Coloursynth Industries Pvt Ltd, Surat.
12. Discarded containers / liners shall be sold only to the registered recycler after decontamination.
13. Used oil / waste oil shall be sold to only the registered recycler.
14. 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 and Handling) Rules 2003. Authorization from the GPCB must be obtained for collection / treatment /storage /disposal of hazardous wastes.
15. The ground water quality in and around the unit and the hazardous waste disposal site shall be regularly monitored and the data recorded to ensure that there is no contamination of the ground water

A.4 SAFETY:

16. Flameproof fittings shall be provided in the manufacturing plant.
17. Proper ventilation shall be provided in the work area.
18. Storage and use of toxic chemicals shall be minimized to the extent possible.
19. During material transfer, spillages shall be avoided and garland drain shall be constructed to avoid mixing of accidental spillages with domestic waste and storm water drain.
20. All venting equipment shall have vapour recovery system. All the pumps and other equipments where there is a likelihood of leakages shall be provided with Leak Detections and Repair (LDAR) system. Provisions for immediate isolation of such equipment in case of a leakage shall also be made. The detector sensitivity shall be in ppm levels.

21. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Close handling system for chemicals shall be provided. Double mechanical seals shall be provided for pumps /agitators for reactors for reduction of fugitive emissions and leakages. Solvent traps shall be installed, wherever necessary.
22. Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.
23. 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.
24. Training shall be given to all workers on safety and health aspects of handling chemicals.
25. 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. Pre-employment and periodical medical examination for all workers shall be undertaken as per statutory requirement.
26. The project management shall strictly comply with the provisions made in Manufacture Storage and Impact of Hazardous Chemicals Rules 1989 as amended from time to time for handling of hazardous chemicals. Necessary approvals from the Govt Authorities shall be obtained before commissioning of the project, wherever applicable. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act & Rules. Hazardous materials storage shall be at an isolated designated location, bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals. All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.
27. 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.

A.5 HEALTH:

28. Periodical Medical checking in the industrial units shall be done through reputed Medical Institutes/ Civil Hospitals/ ESIS/NIOH or Institutes designated by NIOH. The periodicity of such medical check up must be decided in Consultation with GPCB.

A.6 NOISE:

29. The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment

(Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

A.7 WASTE MINIMISATION:

30. The company shall undertake following waste minimization measures:

- a. Metering and control of quantities of active ingredients to minimize waste.
- b. Reuse of by-products from the process as raw materials or raw materials substitutes in other processes.
- c. Use of automated and close filling to minimize spillages.
- d. Use of close feed system into batch reactors.
- e. Venting equipment through vapour recovery system.
- f. Use of high pressure hoses for equipment cleaning to reduce wastewater generation.

A.8 GREEN BELT AND OTHER PLANTATION:

30. Company shall develop green belt within premises as per the prevailing guidelines of the CPCB. However if sufficient land is not available within the premises, unit shall tie up with local agencies like gram panchayat, schools, social forestry office etc. for carrying out plantation at available open land in nearby area and submit an action plan for plantation for the next three years to GPCB.

B. GENERAL CONDITIONS:

31. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
32. The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) for Chlor Alkali plants.
33. 100 % utilization of ash shall be ensured from day one of commissioning of the plant.
34. The company shall undertake eco-developmental measures including community welfare program most useful in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to GPCB within three months of receipt of this letter.
35. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
36. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water. Also harvesting of surface as well as rainwater from the rooftops of the building proposed in the project shall be undertaken and the same shall be used for

- the various activities of the projects to conserve fresh water.
37. The unit must ensure that it does regularly operate EMS and the unit is monitored regularly by GPCB.
 38. They will have to obtain necessary permission under Narcotics act, if applicable before starting the production.
 39. 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.
 40. A separate Environment Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environment Management and Monitoring functions.
 41. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
 42. 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.
 - 43. The project proponent 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.**
 44. 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.
 45. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
 46. 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.

47. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
48. 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. 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 and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
49. This environmental clearance is valid for five years from the date of issue.

With regards,
Yours sincerely,

(SANJIV TYAGI)
Member Secretary,
State Level Environment Impact Assessment Authority
Gujarat

Copy to:-

1. The Secretary, Department of Environment of Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
2. The Chairman, Central Pollution Control Board , Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
3. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010,
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
6. Select File.

ANNEXURE : 1

LIST OF PRODUCTS

Sr. No.	Product	Quantity in MT/Month	
		As per Environmental Clearance issued by MoEF on	Total
1.0	Active Pharmaceutical Ingredients (APIs)		
1.1	Pentoprazole	5	5
1.2	Metoprolol Tattarate	5	5
1.3	Metoprolol Succinata	5	5
1.4	Clopidogrel	5	5
1.5	Sulfasalazine	10	10
1.6	Carvedilol	2	2
1.7	Benazepril	2	2
1.8	Rosiglitazone	3	3
1.9	Pioglitazone	3	3
1.10	Metformin	25	25
1.11	Pyrazinamide	25	25
1.12	Cilostazole	1	1
1.13	Rabeprazole Sodium	2	2
1.14	Fluconazole	2	2
1.15	Citaloprem Hydrobromide	1	1
1.16	Diclofenac Sodium	25	25
1.17	Hydrochlorothiazide	1	1
1.18	Oxcarbazepine	2	2
1.19	Nimesulide	5	5
1.20	Carbamazepine	4	4
1.21	Lamotrigine	4	4
1.22	Disloratadine	2	2
1.23	Zaleplon	2	2
1.24	Aripiprazole	2	2
1.25	Valdecoxib	2	2
	Total	145	145

Sr. No.	Product	Quantity in MT/Month	
		As per Environmental Clearance issued by MoEF on	Total
2.0	Intermediates		
2.1	PZL- Chloride Hydrochloride	10	10
2.2	Phenyl Ethyl Alcohol	44	44
2.3	Methoxy Ethyl Benzene	36	36
2.4	Methoxy Ethyl Nitro Benzene	18	18
2.5	Methoxy Ethyl Aniline	15	15
2.6	Methoxy Ethyl Phenol	10	10
2.7	CPL-ME.HCl (Res)	7	7
2.8	CPL-Tosylate	7	7
2.9	AD-Enol Ether	1.5	1.5
2.10	AD-Oxiran	1.5	1.5
2.11	AD-Lactone	1.5	1.5
2.12	Sulfapyridine	6	6
2.13	Spirodiene	0	5
2.14	Epoxide	0	5
2.15	1- Amino 1-Cyano cyclopentane oxalate	0	2
2.16	1- Amino Cyclopentane Carboxamide	0	2
2.17	2- Butyl, 1,3 - Diaza spiro [4,4] non - 1-en- 4 one Hydrochloride	0	2
2.18	2- [N-(p- Fluorobenzyl) Amino] Ethanol	0	1.5
2.19	2- Chloromethyl 4 - (4- Fluorobenzyl) Morphelin	0	1.5
2.20	N- (2 - Morpholino methyl) phthalimide	0	1.5
2.21	N - (2- Aminomethyl) - 4 (4- fluorobenzyl) morpholine	0	1.5
2.22	Imidazomethyl Cyanobiphenyl	0	0.75
2.23	N - Acetyl Iminodibenzyl	0	3.0
2.24	3- Nitro N- Acetyl Iminodibenzyl	0	1.5
2.25	2-Chloro- 5- Nitrobenzoic acid	0	7.0
2.26	N- Methyl - 4 - Oxo Carbazole	0	0.5
2.27	Isochroman	0	3

Sr. No.	Product	Quantity in MT/Month	
		As per Environmental Clearance issued by MoEF on	Total
2.28	Isochromanone	0	3
2.29	Dibenzo Suberone	0	4
2.30	Otrichloride	0	0.75
2.31	Otrinitrile	0	0.75
2.32	5- Chloromethyl- 6- t- Butyl -2,4- Xylenol	0	0.75
2.33	(6 - t Butyl -5-Hydroxy- 2, 4- diemethyl) Phenyl Acetonitrile	0	0.5
2.34	2 - (3, 5 - Dimethyl phenoxy methyl) oxirane	0	1
2.35	3-(3,5 - Dimethyl phenoxy) - 2 Hydropropyl amine Hydrochloride	0	1
2.36	4-Methyl Cyclohexanone Oxime	0	1.5
2.37	4-Methyl Cyclohexyl Amine Hydrochloride	0	1.5
2.38	Isoveratronitrile	0	3.0
2.39	N-Methyl Homoveratryl amine	0	4
2.40	Chloro base	0	6
2.41	Cyanothiophene	0	1.5
2.42	Olanzonitro	0	2.5
2.43	Olanz - amine Hydrochloride	0	1.5
2.44	3, 4 - Di chlorobenzophene	0	1.0
2.45	3 - (Ethoxy carbonyl) - 4 (3,4 - dichlorophenyl) -4 Phenyl 3 - Butenoic acid	0	1.5
2.46	4 -(3,4 - Dichlorophenyl) -4 - Phenyl -3- Butenoic acid	0	4.5
2.47	4- (3,4 -dichlorophenyl) - 4 - Phenyl butanoic acid	0	1.5
2.48	4 - (3,4 -dichlorophenyl) -4- dihydro -1 -Naphthalenone	0	1.0
2.49	2-[(amino carbonyl) amino] - 4,5 - dimethoxy benzoic acid	0	4.5
2.50	6,7 - dimethoxy - 2, 4 -dihydroxy quinazoline	0	4.5

Sr. No.	Product	Quantity in MT/Month	
		As per Environmental Clearance issued by MoEF on	Total
2.51	2, 4 - Dichloro - 6,7 Dimethoxy quinazoline	0	4.5
2.52	2- Chloro- 4 - amino - 6, 7 - dimethoxy quinazoline	0	4.5
2.53	Amino Bromo Methyl Uracil (ABMU)	0	10
2.54	N - Methyl Uracil (NMU)	0	10
2.55	Carboxy Octahydroindole	0	1
2.56	Benzyl Ester PTS- Salt	0	1
2.57	Ethyl nor valinate hydrochloride	0	1
2.58	Carbethoxy butyl alanine	0	1
2.59	Octahydroindole Carboxy acid	0	1
2.60	4 - Hydroxybenzaldehyde Oxime	0	5
2.61	4 -Hydroxy benzonitrile	0	5
2.62	3- Nitro - 4- Hydroxy Benzonitrile	0	5
2.63	2- Bromo Hexanoic Acid	0	3
2.64	2- (2 - Formyl Phenoxy) Hexanoic Acid	0	3
2.65	2 - Butyl Benzofuran	0	3
2.66	Mannich Base Hydrochloride	0	10
2.67	4 - Chloro Butyryl chloride	0	2.5
2.68	4 -Chloro -1 -(4- Isobutyl phenyl) - 1- Butanone	0	2.5
2.69	2,2 - Di phenyl - 4 - Piperidine Methanol	0	2.5
2.70	Terfenadone	0	2.5
2.71	Thia Dibenzo cycloheptenone	0	5
2.72	Thioether	0	3
2.73	Benzothiophene	0	3
2.74	Methyl Paraben ester	0	3
2.75	Acid Hydrochloride	0	3
2.76	Acid Chloride Hydrochloride	0	3
2.77	Bromo methyl butane	0	5
2.78	Oxime	0	5

Sr. No.	Product	Quantity in MT/Month	
		As per Environmental Clearance issued by MoEF on	Total
2.79	2-(2-chloro benzoyl)-4-chloro aniline (Methanone)	0	5
2.80	Methanone Oxime	0	5
2.81	Quinazoline-N-Oxide	0	5
2.82	Glutarimide	0	4
2.83	Tetra methylene glutaricacid	0	4
2.84	2-(2-Fluorobenzoyl) -4-chloroaniline	0	4
2.85	Benzo diazepinone	0	4
2.86	N-(3-Chlorophenyl) piperazine HCl	0	7
2.87	1-(3- Chloropropyl)-4-(3-Chlorophenyl) piperazine	0	7
	Total	157.5	400
3.0	By Product		
3.1	Al(OH) ₃	1300	1300
3.2	Potassium Chloride	3.4	3.4
3.3	Potassium Bromide	3.3	3.3
	Total	1306.7	1306.7