

No.10-48/2007-IA-III
Government of India
Ministry of Environment and Forests
(IA-III Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110003.

Dated, the 4th March, 2008

Sub: Environmental clearance for expansion and common incineration facilities at Ankleshwar by M/s Bharuch Enviro Infrastructure Limited - regarding.

Reference is invited to letters No.camp/f/28/07, dated 24.5.2007, No.camp/f/44/07, dated 7.6.2007 and dated 18.9.2007 by M/s Bharuch Enviro Infrastructure Limited on the above-mentioned subject. No Objection Certificate from the Gujarat State Pollution Control Board has been obtained vide Consent to Establish No.GPCB/CE/.BRCH/NOC-3354[CCA-167(5)/14483, dated 22.5.2007.

2. The project involves development & operation of a secured landfill facility for treatment, storage and disposal of hazardous waste at GIDC, Ankaleshwar, Gujarat. BEIL designed the existing TSDF with German Technical Assistance through NPC, New Delhi as phase -I with a capacity of 5,00,000 MT and Incineration capacity at 6.5 Million K.Cal/hour. At present there are 450 member units who use the secured landfill facility. During the last seven years of the operation of the facility, BEIL reported to have collected and disposed of more than 4,16,000 MT of hazardous waste and the existing facility is reported to be sufficient only till the end of 2006. Hence, BEIL proposes to expand the existing facility as per the CPCB guidelines. The cost of the proposed expansion is estimated to be about Rs.45.45 Crores. The details of the existing and proposed expansion are given as follows:

S.No.	Activity	Existing	Proposed
1	Secured Landfill (SLF)	Capacity: 5,00,000 MT	Additional Capacity: 14,00,000 MT
2	Incinerator	Capacity: @ 6.5 million K.Cal/hour (24 -60 MT per day)	Additional Incinerator Capacity: 25 Million K.Cal/hour with heat recovery system (i.e. 6-10 MT/hr)
3	Solvent Recovery System	-	50 MT/day
4	Drum decontamination and disposal system	-	500 No. of Drums/day
5.	Evaporation plant	-	15 MT/hour
6.	Fly Ash Brick Manufacturing Plant	-	10,000 No.s/day
7.	Bio-gas plant from Kitchen Waste	-	5 MT/day

3. All the proposed facility, except landfill expansion, stated to be accommodated in the existing area it self. Waste generated from the treatment facility will be disposed off in secured landfill facility which includes ash from Incinerator around 12,600 MT/Year; Discarded packing materials around 5,40,000 nos/year, the salt from Multiple Effect Evaporation System around 9,000 MT / Year. With regard to the capacity of the Facility it was indicated that second phase of secured landfill facility will be 17.00 Lacs MT and the additional Common Incineration System will be 25.00 million k cal per hour. Public hearing was conducted on 30.08.2005 based on Environmental Impact Assessment. Minutes of public hearing were submitted. The proponents made a detailed presentation on each of the issues raised by the public and the action taken report

4. The proposal falls under the Category 'A', 7(d) of Environmental Impact Assessment Notification, 2006 and was considered by Expert Committee at its meeting held on 21st & 22nd June, 2007 and 23rd, 24th & 25th January, 2008 and has recommended. Accordingly, the clearance is hereby accorded under Environment Impact

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Assessment Notification, 2006 subject to effective implementation of the following environmental safeguards and conditions:-

A. SPECIFIC CONDITIONS:

- (i) The project proponent shall ensure that the TSDF fulfils all the provision of Hazardous Waste (Management and Handling) Rules, 2003 and the design of landfill is as per the guidelines of the Central Pollution Control Board with proper leachate collection arrangement.
- (ii) The project proponent shall ensure that the transportation of the hazardous wastes to the TSDF conforms to the norms laid down in the Hazardous Waste (Management and Handling) Rules, 2003.
- (iii) The TSDF shall only handle the waste generated from the member units.
- (iv) Forced evaporation shall be provided to treat the effluent/leachate generated from the landfill.
- (v) All the conditions stipulated in the letter of Gujarat PCB vide their letter dated 22.5.2007 should be strictly implemented alongwith Hazardous (Management and Handling) Rules, 2003.
- (vi) No groundwater shall be tapped for project.
- (vii) The project proponent shall monitor the ambient air quality, groundwater and noise abutting the site as per norms laid down by CPCB.
- (viii) Incineration of hazardous wastes shall be carried as per the guidelines of CPCB. The emissions from the incinerator shall be passed through APCS and disposal through 30 meter stack.
- (ix) Project proponent shall ensure that wastes with organic content >5% of degradable organic matters are not disposed into the landfill. However, required arrangement for collection, treatment and disposal of gases from the landfill of any, should be provided.
- (x) Project proponent shall have Environmental Management Plan and onsite emergency management plan.
- (xi) Project proponent shall carry out periodical/groundwater/soil monitoring in and around the site to check the contamination including TCLP test for heavy metals.
- (xii) Adequate dust and noise separation measures should be put in place during construction of the plant.
- (xiii) Green belt development to a tune of 41,000 sq mts with thick canopy trees around the project site should be taken up to mitigate the impacts on the overall air quality at the site.
- (xiv) The groundwater, surface water and air quality should be monitored regularly to assess the leachate contamination.
- (xv) A leachate collection system should be provided to collect the leachates at a collection point. Treatment facility for the collected leachate should be provided. The treated water shall be reused as far as possible in the project.
- (xvi) The landfill site should be as per the norms laid down by CPCB.
- (xvii) A separate Environment Management Cell with suitably qualified staff to carry out various environment related functions should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Organization.
- (xviii) The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bhopal.

B. GENERAL CONDITIONS:

- (i) Construction of the proposed structures should be undertaken meticulously conforming to the existing Central/local rules and regulations. All the construction designs/drawings relating to the proposed construction activities must have approvals of the concerned State Government Department/Agencies.
- (ii) To meet any emergency situation, appropriate fire-fighting system should be available. Appropriate arrangements for uninterrupted power and water supply to meet the requirements of the environment protection equipment and continuous water supply for the fire fighting system should be made.
- (iii) Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and Pollution Control Board by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.
- (iv) In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new one for ensuring environmental protection. The project proponents should be responsible for implementing the suggested safeguard measures.
- (v) This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.
- (vi) This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.
- (vii) A copy of the clearance letter shall be marked to the concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
- (viii) Gujarat Pollution Control Board should display a copy of the clearance letter at the District Industries Center and Collector's Office/ Tehsildar's Office for 30 days.
- (ix) The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Gujarat State Pollution Control Board and may also be seen at website of the Ministry of Environment & Forests at <http://www.envfor.nic.in>.
- (x) The project proponents should inform Regional Office Bhopal as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of work.

5. The above mentioned stipulations will be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (protection) Act, 1986, the Hazardous Chemicals (Manufacture, Storage and Import) Rules, 1989, and its subsequent amendments and the Public Liability Insurance Act, 1991 and the Rules made thereunder from time to time.

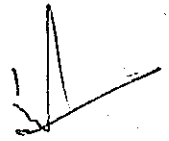
(Dr. A. Senthil Vel)
Additional Director

To,

Director (Environment),
Forests & Environment Department,
Government of Gujarat, Block No.14,
8th Floor, Sachivalaya, Gandhinagar - 382 010.

Copy to:

1. The Chief Conservator of Forests, Ministry of Environment & Forests, Ministry of Environment & Forests, Regional Office (Western Region), Kendriya Paryavaran Bhavan, Link Road No.3, Ravi Shankar Nagar, Bhopal - 4620 16.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
3. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhavan, Sector 10-A, Gandhinagar - 382 010, Gujarat.
- ✓ 4. Senior General Manager (Environment), Bharuch Enviro Infrastructure Limited, Plot No.9701-9716, GIDC Estate, District Bharuch, Ankleshwar-393002.
5. DIG (SU), Regional Office Cell, Ministry of Environment & Forests, New Delhi.
6. Guard File.
7. Monitoring Cell.
8. Director (EI), Ministry of Environment & Forests, New Delhi.



(Dr. A. Senthil Vel)
Additional Director