

No. J-11011/48/2003 – IA II (I)  
Government of India  
Ministry of Environment & Forests

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Paryavaran Bhawan,  
CGO Complex, Lodi Road,  
New Delhi – 110 003  
Dated the February 20, 2004

To

The Managing Director  
M/s Atul Limited  
Atul 396020,  
Gujarat, India

Sub: Expansion of agro-chemicals(Pesticides /Herbicides) and bulk drugs and pharmaceuticals manufacturing unit by M/s Atul Limited at village Atul, Tehsil and district Valsad in Gujarat- ex-post-facto environmental clearance reg.

Sir,

This has reference to your letter No. Atul/MoEF /EC-I dated 12<sup>th</sup> March 2003 along with EIA/EMP report, public hearing report risk analysis report and subsequent communications dated 18<sup>th</sup> April, 2003, 16<sup>th</sup> May 2003, 17<sup>th</sup> June 2003, 15<sup>th</sup> July 2003, 22<sup>nd</sup> September 2003 and 2<sup>nd</sup> December 2003 on the above mentioned subject. The Forest and Environment department, Govt of Gujarat vide its letter No. ENV - 1097-2942-P dated 17<sup>th</sup> January, 1998 has conveyed CRZ clearance for discharge of treated effluent through 4km long pipeline at a discharge point approved by NIO into the Par estuary.

2.0. The Ministry has examined your proposal. It is noted that the proposal envisages production of 2:4:D based herbicides( 1039MTPM), Cartrap(50MTPM), Pyridine based insecticide and herbicides (1.67MTPM), Sulphonyl urea(1.67MTPM), Triazole based fungicides(1.67MTPM), Pyrethroids (6MTPM), Bulk drugs and pharmaceuticals -Acyclovir (5.2MTPM) and Bathenechol ( 5.2MTPM) and captive power generation of 21 MW. The total area of the project is 488 ha. River Par is located at a distance of 0.5km from the plant and plant facilities are at a distance of 1km. Distance of sea is 6km from the plant. Water requirement of 23680m<sup>3</sup>/d will be met from river Par . The solid waste in the form of still/other residue phenolic residue, distillate residue, ETP sludge shall be incinerated in incinerator. The incinerated ash will be disposed off in the landfill facility within the plant premises. NOC from the Gujarat Pollution Control Board has been obtained on 24.01.2003. Public Hearing Panel has considered the project in the meeting held on 07.08.2002. Cost of the expansion project is Rs. 25 crores.

2.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the EIA Notification, 1994 as amended subsequently and coastal Regulation Zone Notification dated 19<sup>th</sup> February, 1991 subject to the compliance of the terms and conditions mentioned below:

**A. SPECIFIC CONDITIONS:**

- i. The gaseous emissions (SO<sub>2</sub>, NO<sub>x</sub> and HCl) and particulate matters from various process units should conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. Ambient Air Quality Monitoring Stations should be set up in the down wind direction as well as where maximum ground level concentration of SPM are anticipated in consultation with the State Pollution Control Board.
- iii. Fugitive emissions in the work zone environment, product, raw material storage areas must be regularly monitored. The Company should install alkali scrubbers for scrubbing of HCl. pH of the scrubber tank should be monitored regularly. Liquid effluent generated from the scrubber should be sent to effluent treatment plant. All the process equipment/ reaction vessels should be connected with central exhaust system. Further measures should be taken to reduce the losses of solvents. Cooling arrangement should be made for all the solvent storage tanks to minimize evaporation losses. The Company should monitor the VOCs from the incinerator and data submitted regularly to SPCB and Ministry of Environment and Forests.
- iv. The effluent generation should not exceed 1191m<sup>3</sup>/d (936 m<sup>3</sup>/d of process effluent and 255 m<sup>3</sup>/d of domestic effluent). The effluent should be segregated at the source of generation. The concentrated effluent stream should be incinerated and non-concentrated effluent after tertiary treatment should be discharged into the CETP. The treated effluent should be discharged into estuary zone of river Par through 4.0 km long HDPE pipeline only after it meets the standards stipulated by the Gujarat Pollution Control Board/EPA Rules. The domestic waste water should be disposed off through septic tank/soak pit system.
- v. The Company should also set up a separate online Fish pond using treated effluent to ensure that the quality of treated effluent discharged into the Par estuary does not have any adverse impact on the aquatic life. The effluent quality at the discharge point must also be monitored periodically by an independent agency authorized by CPCB and report of the independent agency should be submitted to the Ministry's Regional office at Bhopal / CPCB / GPCB.
- vi. As reflected in the EIA / EMP report, the solid waste and ETP sludge should be incinerated and incinerator ash should be disposed off in the landfill facility within the plant premises. The ground water quality in and around the unit and the hazardous waste storage site should be regularly monitored and the data recorded to ensure that there is no contamination of the ground water.
- vii. The destructive efficiency of the incinerator should be assessed by an agency like the Central Pollution Control Board and a report submitted to the Ministry.

- viii. The company should comply with the provisions of coastal Regulation Zone Notification of 1991 and Coastal Zone Management Plan of Gujarat. Further, specific conditions stipulated by the Forest and Environment Department, Government of Gujarat vide its letter No. ENV-1097-2942-P dated 27<sup>th</sup> January, 1998 for laying of pipeline for discharge of treated effluents through the estuary zone of the River Par Zone should be strictly adhered to.
- ix. Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act .
- x. The company should develop rainwater-harvesting structures to harvest the run-off water from the rooftops and by laying a separate storm water drainage system for recharge of ground water and to reduce the drawl from the river Par.
- xi. The project authorities may undertake a survey to assess the impact of gaseous emissions/ pollutants on the health including respiratory and digestive systems of the population within and vicinity of the plant and report submitted to the State Government and to this Ministry within six months.
- xii. The Company should developed an green belt in an 25% of the plant area as per the CPCB guidelines.
- xiii. As per the policy decision taken vide this Ministry's circular no. J-21011/8/98-IA :: (I) dated 14<sup>th</sup> May, 2002 and 23<sup>rd</sup> June, 2003, the Company shall earmark a separate fund i.e. 1% of the total cost of the project (Rs. 25 crores) for eco-development measures including community welfare measures in the project area. The amount shall be deposited within three months in a separate account to be maintained by the Gujarat State Pollution Control Board. The plans in this regard should be submitted to the SPCB as well as to the Ministry within three months of issue of this letter. After approval of the action plan by the GPCB, the amount deposited will be released to the project authorities in two installments based on the progress of implementation.

**B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the Gujarat State Pollution Control Board.
- ii. At no time, the emissions should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.
- iii. The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- iv. The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.

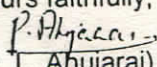
- v. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collections/ treatment/ storage/disposal of hazardous wastes.
- vi. The stipulated conditions will be monitored by the Regional office of this Ministry at Bhopal/ State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly.
- vii. The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office.

3.0 The Ministry or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions will be monitored by the Regional Office of this Ministry located at Bhopal.

4.0 The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.

5.0 Any other conditions or alteration in the above conditions will have to be implemented by the project authorities in a time bound manner.

6.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Amendment Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Yours faithfully,  
  
(Dr. P. L. Ahujarai)  
Additional Director

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**Copy to:-**

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Block No. 14, 8<sup>th</sup> floor, Sachivalaya, Gandhinagar- 382010.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, E - 3 / 240 Arera Colony Bhopal - 462 016.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar New Delhi - 110 032.
4. The Chairman Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhi Nagar, -382043
5. JS(CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Director (Monitoring Cell), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.

(Dr. P. L. Ahujarai)  
Additional Director