

File NO. J-11011/54/2005 IA-II (I)
Government of India
Ministry of Environment and Forests
(IA Division)

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Dated May 9, 2006

To:

✓
Shri Atul Kumar Chaubey
Assistant General Manager
Ind-Swift Laboratories Ltd.
SCO 850, Shivahk Enclave
NAC Mani Majra
Chandigarh - 160 101

Fax No. : 0172- 2730504, 2736294

Sub : Expansion of bulk drug unit at village Samba, District Jammu, J & K by M/s Ind-Swift Laboratories Ltd.

Sir,

This has reference to your letter no. nil dated 7th February, 2005 alongwith EIA/EMP report and other related projects documents in the CD and subsequent communications dated 4th August, 2005, 4th October, 2005, 20th February, 2006 and 10th April, 2006 on the above subject seeking environmental clearance under the Environmental Impact Assessment Notification, 1994.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that the proposal is for the environmental clearance for Bulk Drug Unit to be located in Samba to manufacture the M/s Ind-Swift Laboratories Ltd (ISLL) have proposed for the environmental clearance for bulk drug unit to be located in Samba to manufacture the Roxithromycine (30 TPA), Pentazocine (1.2 TPA), Nitazoxzamide (24 TPA), Azithromycine (18 TPA), and Ezetimibe (0.6 TPA), Atorvastatin Calcium (9 TPA), Clopidogrel Hydrogen Sulphate (36 TPA), Clarithromycine (12 TPA). Total land acquired is 2.0 ha. located in Govt. notified industrial area.

2.0 Multi-cyclone, fly ash arrester and 2-stage wet scrubber will be installed to control air emissions. Dust extraction system will be installed to control fugitive emissions. Total water requirement will be 27 $\frac{1}{2}$ m³/d and will be met from the SIDCO water supply. The effluent will be incinerated to convert highly toxic liquid effluent into solid ash making a "zero" discharge. Treated wastewater will be recycled and reused either in the process or for green belt development. No wastewater will be discharged. Methylene chloride and toluene will be phased out from the process. No Benzene will be generated. Incinerator and solvent recovery system will be installed. All the solid waste generated will be incinerated while ETP sludge will be used for gardening. Incinerated ash will be disposed off in secured landfill or TSDF developed by J & K Govt. No public hearing is being organized due to SSI unit and its location in notified industrial area. J & K State Pollution Control Board has granted 'NOC' vide letter no. SPCB/T/NOC/1006/94/100-1 dated 17.08.2004 and 'Consent to operate' vide letter dated 12.8.2005. Total cost of the project is Rs. 10.36 Crores.

The Ministry of Environment and Forests hereby accords environmental clearance to the above project under EIA Notification dated 27th January, 1994 as amended subsequently, subject to strict compliance of the following conditions:

SPECIFIC CONDITIONS :

- i. The gaseous emissions (SO_2 , NO_x & HCl) particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the J & KSPCB.
- iii. Fugitive emissions in the work zone environment, product, raw materials storage area shall be regularly monitored and emissions shall conform to the limits prescribed by the J & KSPCB.
- iv. Installation of air pollution control system (APCS) in the proposed plant and monitoring of Methylene Chloride, Toluene, Acid mist, Volatile Organic Compounds (VOCs) and other toxic chemicals shall be ensured. Multi-cyclone, fly ash arrester and 2-stage wet scrubber shall be installed to control emissions from incinerator-cum-heat recovery boiler, vapours from the solvent recovery boiler and oil fired boiler. Stacks of appropriate height shall be provided for the dispersion of pollutants as per the Central Pollution Control Board guidelines. The scrubbed water after neutralization shall be sent to ETP for further treatment.
- v. Total water requirement shall not exceed $156 \text{ m}^3/\text{d}$ and prior permission from the concerned Local authorities/State/Central Ground Water Board shall be obtained. Efforts shall be made for further conservation of water and utilization of treated wastewater.
- vi. Total effluent generation including expansion plant shall not exceed $87 \text{ m}^3/\text{d}$. Treated wastewater will be recycled and reused in the process. All the effluent shall be segregated into three groups and treated in incinerator, Multiple Effect Evaporator (MEE) and ETP as mentioned below :
 - a) High TDS x high COD and high organic x low TDS concentrated effluent shall be incinerated to convert highly polluted liquid effluent into solid ash. Incinerator shall be installed.
 - b) The high TDS concentrated streams shall be evaporated in multi-effect evaporator to concentrate the effluent and condensate of MEE containing organics shall be routed for thermal treatment in incineration and condensate water shall be sent to ETP for further treatment. If necessary, organics may further be treated by H_2O_2 oxidation to enhance treatability in biological units.
 - c) Low TDS x low organic and very low inorganic containing effluents which are biologically degradable shall be treated in ETP and shall be used for land irrigation while condensate from distillation process shall be recycled to boiler.

The domestic effluent alongwith low concentration stream shall be sent to the septic tank followed by the soak pit for treatment.

The Company shall install solvent recovery system by installation of high efficiency condensers and traces of solvents from the condensers shall be scrubbed and recovery shall not be less than 95 percent. During purification process, solvent vapours are emitted from purification tanks as fugitive emissions. Action shall be taken to reduce the emissions as far as possible. The recovered solvent shall either be reused in the manufacturing process or spent scrubber solution and shall be sent to ETP for treatment. Use of toxic solvents like Methylene Chloride and Toluene etc. shall be minimum and Benzene should be replaced with alternate solvents. All venting equipment shall have vapour recovery system.

- ii All the treated effluent shall be monitored for pH, SS, TDS, volatile dissolved solids, COD, BOD, TKN, heavy metals and other relevant parameters like presence of solvents etc.

Industry shall switch over to aqueous based coating film in place of use of Methylene Chloride in coating operation and to non-halogenated solvents in place of halogenated solvents in a phased manner.

Hazardous and toxic wastes generated during process like distillation residues, activated MEE rejects, spent carbon, concentrated mother liquor, mixed solvents, waste oils, process organic residues etc. shall be incinerated in a properly designed incinerator. Installation of new common hazardous incinerator shall meet the CPCB standards and guidelines.

- i. The solid waste generated in the form of incinerator ash and ETP sludge, spent activated carbon, waste/expired pollutants shall be stored at the site in HDPE-lined hazardous waste storage pit at the site but shall be sent to TSDF developed by the J & K Govt. whenever in operation.

- ii. The company shall undertake following Waste Minimization measures :-

- Metering and control of quantities of active ingredients to minimize waste.
- Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
- Use of automated filling to minimize spillage.
- Use of "Close Feed" system into batch reactors.
- Venting equipment through vapour recovery system.
- Use of high pressure hoses for equipment clearing to reduce wastewater generation.

- iii The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.

- iv Green belt shall be provided in 1 505 acre to mitigate the effects of fugitive emissions all around the plant. Development of green belt shall be as per the Central Pollution Control Board guidelines.

Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act

- vi. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the Jammu & Kashmir State Pollution Control Board (J&KPCB) within three months of receipt of this letter for approval.

GENERAL CONDITIONS :

The project authorities shall strictly adhere to the stipulations made by the Jammu & Kashmir State Pollution Control Board (J&KPCB).

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.

No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000 and Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the J & KSPCB must be obtained for collection/treatment/storage/disposal of hazardous wastes.

The overall noise levels in and around the plant area shall 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 shall conform to the standards prescribed under Environment (Protection) Act, Rules, 1989 viz. DBA (day time) and 70 dBA (night time).

The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.

- ii. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- iii. The project authorities shall earmark separate funds 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 shall not be diverted for any other purpose.
- iv. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Chandigarh / J&KSPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.

The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the J&KSPCB/Committee and may also be seen at Website of the Ministry at

<http://envfor.nic.in>. This shall 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 shall be forwarded to the Ministry's Regional Office at Chandigarh.

xi. The project authorities shall inform the Regional Office 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 the project.

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

3.0. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

6.0. The above conditions will be enforced, inter-alia under the provisions of the Water (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.

P. B. Rastogi
(Dr. P. B. Rastogi) 9/5/06
Additional Director

Copy to :

1. Secretary, Department of Environment, Govt. of Jammu & Kashmir, Jammu.
2. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Chairman, J & K State Pollution Control Board, Jammu.
4. The Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (Northern Zone), Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh - 160 047.
5. Joint Secretary (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
7. Guard file.
8. Monitoring file.
9. Record file.

(Dr. P. B. Rastogi)
Additional Director