



Government of India
Ministry of Environment & Forests
(IA Division)

By speed post

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Dated : April 29, 2009

F. No. J-11011/1157/2007-IA-II (I)

To

M/s Arvee Chem Pharma Pvt. Ltd
18-b Viveshwaranagar II atage,
Industrial Suburb, Mysore South
Mysore-570008
Karnataka.

arvechem@sancharnet.in

Sub: Bulk Drug unit & Intermediate unit at Village Toremavu, Taluk Nanjangud, District Mysore, Karnataka by M/s Arvee Chem Pharma Private Limited - Environmental Clearance reg.

Sir,

This has reference your letter no. ACPL/76/08-09 dated 13th February, 2009 alongwith EIA/EMP report and public hearing report seeking environment clearance under EIA Notification 2006 for the above-mentioned project.

2.0 The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environment clearance for Bulk Drug unit & Intermediate unit at Village Toremavu, Taluk Nanjangud, District Mysore, Karnataka by M/s Arvee Chem Pharma Private Limited. Total project area is 28 acres. 10 acres is earmarked for the green belt development. Total project cost is Rs. 6.40 Crores. Rs. 50.00 Lakhs and Rs. 5.00 Lakhs are earmarked towards capital cost and recurring cost/annum for environment pollution control measures. The details of the existing and proposed products are as given below:

S.N.	Name of Products	Existing(MTPA)	Proposed (MTPA)	Total (MTPA)
1	Azacyclonol Base	nil	60	60
2	Di Benzo Suberone	3	60	63
3	ISO Nipecotic Acid	4.8	50	54.8
4	ISO Nipecotic Acid Ethyl Ester (INEE)	2.4	20	22.4
5	Piperonyl Alcohol	1.2	nil	Nil
6	Phenyl Ethyl Benzoic Acid	2.4	nil	Nil
	Total	13.8	190	200.2

3.0 Wet scrubbers will be provided to reaction vessels to control uncondensed vapors and dust filters to boilers alongwith proper stack height. Total water requirement will be 40 m³/day from KIADB. Effluent (29.6 m³/day) will be treated in ETP. Industrial wastewater from, boiler, cooling and washings will be used on land for irrigation after suitable treatment. The combined effluent will be treated by chemical methods followed by two-stage Extended Aeration Activated sludge process, filtration and chlorination and disposed off on land for gardening.

4.0 The project activity is listed at S.N. 5(f) under Category 'A' hence the proposal was considered and appraised at central level in 92nd meeting of the Expert Appraisal Committee (Industry) held during 18th - 20th March, 2009. The Public hearing was held on 11th December, 2008.

5.0 Based on the information submitted by the Project Authorities, the Ministry of Environment and Forests hereby accords the environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to compliance of the following specific and general conditions:

A SPECIFIC CONDITIONS:

- i) The Company shall segregate the high TDS and low TDS and high COD / low COD wastewater depending on the concentration of the organic and inorganic load in the effluent and the treatment method like anaerobic digestion or MEE followed by incinerator shall be adopted. In this regards the company shall submit the final revised treatment scheme for the wastewater within three months to the Ministry's Regional office at Bangalore.
- ii) The Company shall obtain permission for drawl of ground water from the Central Ground Water Authority or State ground Water Board and copy of the same shall be submitted to the Ministry's Regional Office at Bangalore.
- iii) The Company shall install sufficient air pollution control arrangements to achieved the standards prescribed by the Karnataka Pollution Control Board (Karnataka PCB).
- iv) The Company shall provide the monitoring arrangement with stacks/vents and regular monitoring shall be carried out and reports submitted to the Karnataka PCB, CPCB and Ministry's Regional Office at Bangalore.
- v) Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by Karnataka PCB.
- vi) For control of fugitive emission and VOCs following steps shall be followed :
 - A. Closed handling system shall be provided for chemicals.
 - B. Reflux condenser shall be provided over reactors.
 - 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.
 - E. Chemicals shall be taken from underground storage tanks to reactors through closed pipeline. Storage tanks shall be vented through condenser operated on chilled water.
- vii) The process emissions and particulate matter from various 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 unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.

- viii) The project authorities shall sale spent oil shall be sold to approved recycler. The empty containers and bags shall be sold to Karnataka PCB registered dealers.
- ix) During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
- x) The project authorities shall develop greenbelt in 33% of project area as per the guidelines of CPCB to mitigate the effect of fugitive emission.
- xi) Adequate financial provision shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.
- xii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xiii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. The company shall comply with the commitments made during public hearing. An action plan for fulfilment of commitments shall be submitted to the Ministry's Regional office at Bangalore.
- xiv) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

GENERAL CONDITIONS

- i. The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.
- ii. 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.
- iii. The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- iv. 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 State Pollution Control Board.
- v. For control of process emissions, stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided. The scrubbed water shall be sent to ETP for further treatment.

- vi. The company shall undertake following Waste Minimization measures :-
- Metering 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.
 - Maximizing recoveries
 - Use of automated material transfer system to minimize spillage.
 - Use of “Closed Feed” system into batch reactors.
- vii) 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 and Handling) Rules, 2003. Authorization from the SPCB shall be obtained for collections/treatment/ storage/disposal of hazardous wastes.
- viii. 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, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- ix. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.
- x. The project authorities shall provide rainwater harvesting system and ground water recharge.
- xi. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry’s Regional Office /SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
- xii. 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 SPCB 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.
- xiii. 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.

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

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

8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

9.0 The above conditions shall 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 alongwith their amendments and rules.

(H.S. Malviya)
Joint Director

Copy to :-

1. The Secretary, Department of Environment & Forests, Government of Karnataka, Bangalore, Karnataka.
2. The Chairman, Karnataka State Pollution Control Board, Parisar Bhavan, No. 49, 4th & 5th Floor, Church Street, Bangalore - 560 001, Karnataka.
3. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -110032.
4. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17th Main Road, Koramangala, Bangalore-560034, Karnataka.
5. Adviser, IA-II, 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.

(H.S. Malviya)
Joint Director