



भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests
(IA Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003
E-mail: hsmalviva@gmail.com
Telephone: 011: 2436 7076

F. No. J-11011/171/2006-IA-II(I)

Dated : March 19, 2008

To

M/s Pioneer Distilleries Ltd.
Village Balapur, Tehsil Dharmabad
District Nanded,
Maharashtra

factory@pioneerdistilleries.com info@pioneerdistilleries.com

Sub: Expansion of Distillery Unit from 100 KLPD to 200 KLPD ENA/Ethanol, 16 MW power generation, Acetic Acid 30 MT/Day and Ethyl Acetate 20MT/Day at village Balapur, Tehsil Dharmabad in district Nanded in Maharashtra by M/s Pioneer Distilleries Ltd. - Environmental Clearance - reg.

Sir,

This has reference to your letter No PDL/MoEF/1116/2007 dated 22nd 2007 and letter No. Nil dated 23rd November 2007 along with Form 1 and pre-feasibility report seeking treatment technology amendment in environmental clearance issued vide letter F. No. J-11011/171/2006-IA-II(I) dated 14th July 2006 and environment clearance for expansion under EIA Notification 2006 for the above mentioned project.

2. The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for expansion of Distillery Unit from 100 KLPD to 200 KLPD ENA/Ethanol, 16 MW power generation, Acetic Acid 30 MT/Day and Ethyl Acetate 20MT/Day at village Balapur, Tehsil Dharmabad in district Nanded in Maharashtra by M/s Pioneer Distilleries Ltd. Company has been accorded environmental clearance by the ministry vide letter No. J-11011/171/2006 - IA II (I) dated July 14, 2006 for expansion from 50 KLPD to 100 KLPD Molasses-cum-grain based distillery. Total cost of the project is Rs. 100 Crores. The treatment technology adopted will be bio-methanation, concentration (by MEE), blending with husk, drying and fuel for boiler (Molasses based) and for grain based wastes the treatment technology will be bio-methanation, concentration (by MEE), drying and animal feed.

3. All molasses based distilleries are listed at Sl. No. 5(g) (i) of schedule of EIA notification under category 'A' and appraised at centre level. The proposal was considered by the Expert Appraisal Committee (Industry) in its 78th meeting held during

20th – 22nd February 2008 for grant of environmental clearance under para 7(ii) of EIA Notification, 2006 requiring no public hearing/public consultation and EIA/EMP.

4. The Ministry of Environment and Forests hereby accords environmental clearance to the 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:

- i. The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. The company shall install cyclone dust collector and ESP and stack height of 65m as per CPCB guidelines to control the emissions from the boiler to achieve the particulate emissions within the prescribed standards.
- iii. The company shall install water scrubber in fermentation section for CO₂ and HC. H₂S scrubber shall be installed for control of emission from bio-digester.
- iv. The spent wash from molasses based operation, after anaerobic treatment in the anaerobic digester shall be subjected to concentration by multiple effect evaporators and after concentration mixed with husk, dried and shall be used as fuel. The waste from grain based operation, after anaerobic digestion shall be subjected to concentration by multiple effect evaporators and after concentration, drying and preparation of animal feed. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly followed. Land and other requirements for treatment of spent wash with press mud shall be as per the CPCB guidelines.
- v. The spent wash shall be stored in impervious pucca lagoons. The spent wash lagoons shall have proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation, storage shall not exceed 30 days capacity.
- vi. Adequate numbers of ground water quality monitoring stations by providing piezometers around the plant and the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and the Ministry's Regional Office at Bhopal.
- vii. Green belt in 25% of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.



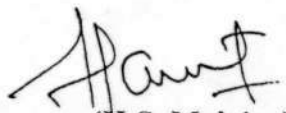
- viii. Company shall adopt rainwater harvesting measures to recharge the ground water.
- ix. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately.

B 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.
- i. 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 State Pollution Control Board 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. Financial provision should 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.
 - xi. The project authorities shall provide rainwater harvesting system and ground water recharge.
 - xii. 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.
 - xiii. 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.
 - xiv. 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.
5. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 6. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.
 7. 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 alongwith their amendments and rules.


(H.S. Malviya)
Joint Director

Copy to:

1. The Secretary, Department of Environment and Forests, Govt. of Maharashtra, Mumbai - 400 001, Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E - 5, Arera Colony, Bhopal - 462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai - 400 001, Maharashtra.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.


(H.S. Malviya)
Joint Director