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F. No. J-11011/374/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003
E-mail : plahujarai@yahoo.com
Telefax: 011 - 24363973
Dated December 26, 2007

To,

The General Works Manager
M/s E.I.D. Parry (India) Limited
Sugar factory
Kurumbur - 614 622, Aranthangi Taluk,
Pudukottai
District Tamilnadu, India

Sub: Molasses based Distillery Unit (60 KLPD) at village Senkulam in District Sivaganga in Tamilnadu by M/s EID Parry (I) Limited - Environmental Clearance reg..

Sir,

This has reference to your letter No. EID/MOEF/SIVA/EC/07-08 dated 14.09.2007 and communication no. T3/TNPCB/DIST/F021504/SVG/2007 dated 24.09.2007 from the Chairman TNPCB seeking environmental clearance on the above mentioned subject.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that proposal is for environmental clearance for molasses based 60 KLPD distillery unit for production of Rectified Spirit/ Extra Neutral Alcohol / Anhydrous alcohol. The molasses requirement will be met from the company's won Sugar Mill. The land requirement for the proposed distillery unit is 25 acres of which 15 acre is earmarked for green belt development. No National Park/wild life sanctuary / biosphere reserves etc is located within 10 km distance of the project site. No forest land and displacement of population is involved. The distillery shall operate for 300 days. Total cost of the project is Rs. 62.0 crores.

3. Water requirement of 1073 m³/d will be met from the ground water source (700 m³/d) and condensate water from evaporator (730 m³/d). The spent wash generated will be concentrated in the MEE. The concentrated spent wash will be incinerated in the boiler along with coal. The CO₂ will be scrubbed in the scrubber system. Emissions from the boiler will be controlled by bag filter. The ash (36 TPD) will be used as fertilizer. The yeast sludge (1 TPD) will be burnt in the boiler along with the spent wash. Public hearing panel has considered the project in the meeting held on 11th September 2007

4. Based on the information submitted by you, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS:

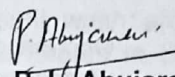
- i. The emissions from the boilers shall be controlled by Bag filter and stack height shall be as per the CPCB guidelines for dispersion of SPM emissions.
- ii. Revised guidelines of 2006 issued by CPCB for distillery shall be followed. Wherever the limits are different, as stipulated here, the revised limits of CPCB will prevail.
- iii. The spent wash generation shall not exceed 560 m³/d. The spent wash after concentration in the Multiple Effect Evaporator (MEE) shall be incinerated in the boiler along with coal to achieve zero discharge. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly followed. The ash obtained from the boiler shall be used as fertilizer. The yeast sludge shall be burnt along with the spent wash.
- iv. 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.
- v. Adequate numbers of ground water quality monitoring stations by providing piezometers around the compost 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 this Ministry.
- vi. Green belt in 33% 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.
- vii. Company shall adopt rainwater harvesting measures to recharge the ground water.
- viii. The used oil will be sold to the authorized recyclers.

B. GENERAL CONDITIONS:

- i. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- ii. Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO₂, NO_x, are anticipated in consultation with the State Pollution Control Board.
- iii. Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.


- iv. 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.
- v. The overall noise levels in and around the plant area shall be kept well within the standards 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 (day time) and 70 dBA (night time).
- vi. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP report.
- vii. 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.
- viii. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- ix. The project authorities shall provide requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by the non-recurring expenditure 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.
- x. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore /State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report along with the monitored data shall be submitted to the 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 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 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 Regional office.
- xii. 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 land development work.

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 will implement these conditions in a time bound manner.
7. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Dr. P. L. Ahujarai)
Director

Copy to:

1. The Secretary (Environment), Govt. of Tamil Nadu, Fort. St. George, Chennai- 600009.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, Tamil Nadu Pollution Control Board, 100, Anna Salai, Guindy, Chennai – 600032.
4. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wings, 7th Main Road, IInd Block, Koramangala, Bangalore-560034.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.


(Dr. P. L. Ahujarai)
Director