

F. No. J-11011/642/2007- IA II(1)  
Government of India Ministry of Environment and Forests  
(LA. Division)

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Dated: 17<sup>th</sup> September, 2007

To,

MIs The Pondicherry Co-operative Sugar Mills Ltd.  
Lingareddipalayam, Katterikuppam  
Pondicherry- 605502.

Sub:30 KLPD Distillery unit at villagas Lngareddipalayam & Katterikuppam in  
Mannadipet Commune, Union Territory of Pondicherry by MIs Pondicherry Co-  
Operative Sugar Mills Ltd — Environmental clearance reg.

Sir,

This has reference to your communication No. 16/PPCC/NOC/MCP/SC1-II/2006/506 dated 14 February, 2007 from the Member Secretary Pondicherry Pollution Control Committees on the above-mentioned project.

2.0 The Ministry of Environment and Forests has examined the proposal. It is noted that proposal is for environmental clearance of 30 KLPD distillery to produce 900 KL/month of rectified spirit or 810 KL/Month of Extra Neutral Alcohol or 825 KL/Month of Ethanol. The land area required for the project is 26 Acres. No Wild life Sanctuary/National Park/Biosphere reserve etc. is located within 10 km of radius of the project. No Forest land and R&R is involved. The company will adopt continuous fermentation technology. The molasses requirement will be met from the company's own sugar unit of 1750 TCD capacity. The unit will operate for 270 days. Cost of the project is Rs.17.20 Crore.

3.0 Water requirement of 361 m<sup>3</sup>/d will be met from the ground water source. Spent wash after bio-methanation will be passed through RO plant and composted with press mud. Press mud requirement will be met from the company's own sugar unit. Storage capacity of the lagoon for the spent wash will be for 30 days. Solid waste generated in the form of ash from the boiler and yeast sludge will be used in the manufacture of bio-composting. Public hearing panel has considered the project in the meeting held on 26<sup>th</sup> October, 2006.

4.0 The project has been considered in accordance with the para 2.2 {(22.1(i) a)} of interim operational guidelines of the Ministry issued on 13<sup>th</sup> October 2006 by the Ministry of Environment and Forests under Para 12 of the E IA Notification 2006.

5.0 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 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions'

**A. SPECIFIC CONDITIONS:**

- I. The Company shall implement all the improvements/conditions/recommendations suggested by Public Hearing Panel and report to this extent shall be submitted to this Ministry within three months.
- ii. The company shall adopt continuous fermentation technology. The Spent Wash Generation shall not exceed 315 m<sup>3</sup>/d. As reflected in the EIA/ EMP report, the spent wash after anaerobic treatment in the bio-methanation plant shall be treated in the Reverse Osmosis plant. The permeates from the RO plant shall be recycled. In the process end rejects from the RO plant shall be composted with press mud. 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. The company shall earmark an area 16.50 acres for bio-composting, storage of press mud and finished products. The compost yard shall be made impervious as per the CPCB guidelines.
- iii. The company shall install Electro Static Precipitator and stack height of 60 meters as per the CPCB guidelines to control the emissions from the baggase husk / biogas fired 10 TPH boiler installed to achieve the particulate emissions with in the prescribed standards.
- 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. As per the CPCB recommendation, storage shall not exceed 30 days capacity.
- 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. The operation of distillery shall be restricted to 270 days and that it will not operate during rainy season and/or whenever the ETP is not able to treat the effluent as per standards
- vii. As reflected in the EIA/EMP, green belt of adequate width and density in 25% of plant area shall be provided to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCD guidelines in consultation with the local DFO.
- viii. The company shall obtain permission from the State Ground Water Authority / Central Ground Water Board.

**B. GENERAL 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. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO<sub>2</sub>, NO<sub>x</sub> are anticipated in consultation with the State Pollution Control Board.
- iv. 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.
- 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 shall 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. Company shall adopt rainwater harvesting measures to recharge the ground water
- ix. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- x. The project authorities shall provide requisite funds for both recurring and 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.
- xi. 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 the 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

- 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 land development work.
6. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
7. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
8. 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.

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(Dr. P.L. Ahujarai)  
Director

**Copy to:**

1. The Secretary (Environment), Govt. of Tamil Nadu. Fort. St. George, Chennai- 560560.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, Pondicherry Pollution Control Committee, Department of Science and Technology & Environment, Housing Board Complex, III<sup>rd</sup> Floor Pondicherry -600 005
4. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan. IV<sup>th</sup> Floor, E&F Wings, 7<sup>th</sup> Main Road, II<sup>nd</sup> Block, Koramangala, Bangalore-560034.
5. Advisor (El) Ministry of Environment and Forests, Paryavaran Shavan, CGO Complex, New Delhi,
8. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan. CGO Complex, New Delhi.
- 7, Guard File.
- 8 Monitoring File.
- 9 Record File,

(Dr. P. I. Ahujarai)  
Director