

J-11011/227/2006-IA II (I)  
Government of India  
Ministry of Environment & Forests  
IA Division

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CGO Complex, Lodi Road,  
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Dated: September 25, 2006

To

The Managing Director  
M/s The Saswad Mali Sugar Factory Ltd; malinagar  
Hotel Central Park, 1265,  
Apte Road, Deccan Gym,  
Pune - 4  
Maharashtra

**Subject : Distillery unit (30 KLPD) by M/s The Saswad Mali Sugar Factory Ltd.  
At Malinagar Tehsil Malshiras District Solapur in Maharashtra.**

Sir,

This has reference to your letter no. nil dated nil received in the Ministry on 19<sup>th</sup> June, 2006 seeking environmental clearance along with schedule-II application, questionnaire, EIA/EMP report, CD and subsequent communication dated 4<sup>th</sup> July, 2006 and 9<sup>th</sup> August, 2006 on the above mentioned project.

The Ministry of Environment and Forests has examined your application. It is noted that proposal is for 30 KLPD molasses based distillery unit in District Solapur in Maharashtra. It is proposed to manufacture 900KLPM of Rectified Spirit, 846 KLPM of Ethanol, 90 KLPM of impure spirit and 15 KLPM of fusel oil. Molasses and press mud requirement will be met from the company's own sugar unit of 2500TCD capacity. Land area required for the distillery unit is 22855m<sup>2</sup>. Project does not involve any forest land and displacement of people. Water requirement of 350 m<sup>3</sup>/d will be met from the canal supply for which an agreement has been entered with Maharashtra Krishna Valley Development Corporation, a subsidiary of Irrigation Department, Govt of Maharashtra. The unit will adopt continuous fermentation technology. About 4 MTPD of ETP sludge will be generated. The ETP sludge will be used for composting and boiler ash would be supplied to the brick manufacturers. Public hearing panel has considered the project in the meeting held on 19.10.2004. Maharashtra Pollution Control Board has granted NOC on 10.3.2005. Total cost of the project is Rs. 9.5 Crores.

2.0. The Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA, Notification dated 27<sup>th</sup> January, 1994 as amended subsequently subject to strict compliance of the following specific and general conditions :

Distillery Exchange  
ASR  
10/10/06



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 should be shut down and should not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. The company shall adopt continuous fermentation technology. It is noted that spent wash generation shall be @ 7kl/kl of alcohol produced. 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 of 15.0 acres for bio composting, storage of finished products etc. The compost yard shall be made impervious as per the CPCB guidelines. The domestic effluent (12m<sup>3</sup>/d) shall be treated in septic tank.
- iii. The company shall install fly ash arrestors and stack height of 35 m to control the emissions from the bagasse fired boiler installed to achieve the particulate emissions within 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. The company shall carry out regular analysis of compost, leachate for BOD and pH.
- vi. The operation of distillery shall be restricted to 270 days and that it will not operate during rainy season.
- vii. As reflected in the EIA /EMP, green belt of adequate width and density in 40% 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 must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board and the State Government.
- 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 (85 dBA) 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. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- viii. The project authorities shall provide funds (Rs. 2 lakhs as mentioned in the questionnaire no.xix of the EIA/EMP report) 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.
- ix. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal /State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report alongwith the monitored data shall be submitted to the monitoring agencies.



- x. 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.
- 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 land development work.

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

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

5.0. 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, Department of environment and forests, Govt. of Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, E - 3 / 240 Arera Colony Bhopal - 462 016.
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, 4<sup>th</sup> Floor, Mata Ramabai Ambedaker Road, Mumbai- 400 001.
5. JS(CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhevari, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.

(Dr. P. L. Ahujarai)  
Director