

F. No. J-11011/92/2009- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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Dated: April 13, 2009

To,

The Managing Director
M/s Saswad Mali Sugar Factory Ltd.
Village Malinagar, Tehsil Malshiras
District Solapur -413 108
Maharashtra

E-mail : Danish_1017@yahoo.co.in / spr_smsfmr@sancharnet.in

Sub: Grain based distillery unit of 30 KLPD capacity to manufacture ENA located at village Malinagar, Tehsil Malshiras in district Solapur in Maharashtra by M/s Saswad Mali Sugar Factory Ltd.- environmental clearance reg.

Sir,

This has reference to your letter No. 4507 dated 05.12.2008 along with a copy of Form -1 and pre-feasibility report on the above subject seeking environmental clearance under the EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Saswad Mali Sugar Factory Ltd have proposed for grain based distillery unit to manufacture 30 KLPD of ENA. The unit is located at District Solapur in Maharashtra. Presently, the company is having 2500 TCD Sugar unit and 30 KLPD molasses based distillery unit. The environmental clearance to molasses based distillery unit of 30 KLPD capacity was accorded on 25th September, 2006 for which public hearing was held on 19.10.2004. Considering the availability of the grain, the company proposes to set up a 30 KLPD grain based distillery unit within the same premises to produce Extra Neutral Alcohol. No Wild life Sanctuary/National park/Biosphere reserve etc. is located within 10 km radius of the project. No Forest land and R&R is involved. The total land available is about 40 acres of which 10 acres of area is earmarked for the proposed distillery, 5 acres for effluent treatment plant and 20 acres for green belt development. Total cost of the project is Rs. 26.68 Crore.

3. It is noted that water requirement will be about 286 M³/day which will be sourced from the Krishna Valley Development Corporation. The spent wash (100 m³/d) will be centrifuged into 35% of solids and 65% of water. The MEE will remove the thin stillage and concentrating the total solids fraction to about 34% w/w solids. The condensate from the MEE will be recycled. The wet cake and concentrate from the MEE will be mixed to produce Dry Wet Grain Solubles (DWGS). The effluent generated from the proposed distillery after treatment will be recycled and will be used for irrigation. The yeast sludge along with the wet cake and converted into DWGS/DDGS, will be either burnt in the boiler along with bagasse or sold as a cattle feed to the farmers. The power requirement of 0.8 MW. Will be met from the TG set of 1.0 MW capacity. The particulate emissions from the 12 TPH baggase fired boiler will be controlled by fly ash arrester/ESP and gaseous emissions will be dispersed through stack of 30m height.

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4. The project activity is listed at 5 (g) and is of 'A' category. The Expert Appraisal Committee (I) considered the project in its 92nd meeting held on 18-20th March, 2009 and recommended the proposal for grant of environmental clearance as per para 7 (ii) of EIA Notification, 2006 exempting the project from public hearing and preparation of EIA.

5. Based on the information submitted by project authorities, 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:

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- i. The effluent generation shall not exceed 3-5 KL/KL of alcohol produced. The stillage from the fermented wash shall be evaporated in the Five Effect Evaporator. The condensate from the evaporator shall be recycled. The wet cake shall be mixed with concentrated syrup from the MEE to produce Distillers Wet Grain Solubles (DWGS). The DWGS shall be burnt in the boiler or sold as cattle feed.
 - ii. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to State Pollution Control Board and this Ministry.
 - iii. Particulate emissions from the 12 TPH bagasse fired boiler shall be controlled by installation of the fly ash arrester /ESP. The emissions shall be dispersed through stack height as per CPCB standards.
 - iv. The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - v. 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.
 - vi. Permission shall be obtain to draw the water from the State Irrigation Department.
 - vii. Company shall adopt rainwater harvesting measures to recharge the ground water.

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.
- ENV 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.
- Account 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.
- Imp^x The project proponent shall also submit six monthly reports on the status of compliance of the stipulated E C conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.
- xi. 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.
- Imp^{xii} xii. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any , were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

- 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 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.
- 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 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. 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. 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.

(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, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai- 400 001.
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