

F. No. J-11011/704/2008- 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: ms.industry-mef@nic.in
Tele/fax: 011 - 2436 3973
Dated: February 4th, 2009

To,

The Managing Director
M/s Vitthal Sugars Manufacturing Ltd.
Gangamainagar, Pimpalner,
Taluka Madha, District Solapur- 413250,
Maharashtra

Email: vitthalsugarmfg@gmail.com

Sub : Proposed 30 KLPD Molasses based Distillery unit at Mhaisgaon Tehsil Madha District Solapur Maharashtra by M/s. Vitthal Sugars Manufacturing Ltd.- reg. environmental clearance.

Sir,

This has reference to your letter no. vsml/TOR/MOEF/918/2008-09 dated 20.07.2009 along with copies of EIA/EMP and public hearing reports and subsequent communication dated 07.11.2009 seeking environmental clearance on the above mentioned subject under the EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Vitthal Sugars Manufacturing Ltd. have proposed for 30 KLPD molasses based distillery unit in Dist: Solapur in Maharashtra. The proposed distillery will be set up within the 2500 TCD capacity sugar unit having land area of 150 acres, of which 30 acres has been earmarked for the proposed distillery unit. Green belt will be developed in 8 acres of the land area. The unit will manufacture Rectified Spirit/ENA/Ethanol based on continuous fermentation technology. The unit will operate for 270 days in a year. No Wild life Sanctuary/National Park/ Biosphere reserves etc. are located within 10 Km radius of project site. No forest land and R&R is involved. Cost of the project is Rs 23.00 Crore.

3. Water requirement of 500 M³/day will be met from the Ridhore KT weir on Sina River and existing bore well within sugar factory premises. Spent wash generation will be 240 m³/day and will be treated in bio methanation plant followed by bio composting with press mud to achieve zero discharge. One 10 TPH boiler will be installed to meet the steam requirement. Fuel for boiler will be Bagasse (60 MTPD). Power requirement of 0.8MW will be met from Captive Power Plant. particulate emissions from the baggase fired boiler will be controlled by multicyclone type fly ash arrester and emissions will be dispersed through stack height of 30m.

4. The solid waste generation will be in the form of sludge (2-2.5 MT/day), which will be used as manure. Ash from the boiler (560 kg/day- 650 kg/day) will be used for land filling.

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5. All the molasses based distilleries are listed at Sl. No. 5(g) of schedule of EIA notification under category 'A' and therefore was appraised by the Expert Appraisal Committee -2 (Industry) at the Center. Public hearing for the project was held on 13.03.2009

6. The proposal was considered by the Expert Appraisal Committee in its 2nd meeting held on 15th - 16th September, 2009. The EAC (I) deferred the proposal and sought the additional information for reconsideration. On receipt of additional information, the proposal was placed before the Expert Appraisal Committee in its 6th meeting held on 14th December, 2009. The Committee recommended the project for environmental clearance subject to stipulation of specific conditions.

7. 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 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 particulate emissions from the 10 TPH bagasse fired boiler shall be controlled by installation of Multi cyclone and emissions shall be dispersed through stack height as per the CPCB guidelines. The particulate emissions shall conform to the prescribed standards.
- iii. 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 levels of PM10, SO₂, NO_x (ambient levels), emissions from the stacks and pH, TDS, BOD, COD, Chloride, suspended solids and sulphates in the treated effluent shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- iv. The spent wash generation shall not exceed 240m³/d. The spent wash after bi-methanation shall be composted with press mud to achieve zero discharge. The land requirement for compost yard, storage of press mud and spent wash lagoon shall be as per the CPCB guidelines. The other effluent shall be treated in the ETP and treated effluent shall conform to the prescribed standards. The domestic effluent shall be treated in the septic tanks followed by the soak pit.
- 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 project area and compost yard shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry.
- vii. Green belt in 8 acres of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant as per CPCB guidelines in consultation with the local DFO.
- viii. Permission shall be obtained to draw the water from the State Irrigation Department / State Ground Water Board / Central Ground Water Board as may be applicable to this case.
- ix. Company shall adopt rainwater harvesting measures to recharge the ground water.
- x. Fire Fighting System shall be as per the TAC Norms and cover all areas where alcohol is produced, handled and stored.
- xi. Provision of foam system for fire fighting to control fire from the alcohol storage tank.
- xii. Risk Assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry within six months.
- xiii. 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.
- xiv. Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

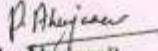
B. GENERAL CONDITIONS:

- 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 PM10, SO2 and NOx 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. 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.
- 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 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.
- ix. 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.
- x. 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.
- xi. 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.
- xii. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- 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.
8. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
10. 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.
11. 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, Handling and Trans boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Dr. P. L. Ahujara)
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, Kalpataru Points, 3rd & 4th Floor, Opp. Cine Planet, Sion Circle, Sion (E) Mumbai - 400 022.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.

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(Dr. P. L. Ahujara)
Director