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No. J-11011/1/2004-IA II
Government of India
Ministry of Environment & Forests
I. A. Division

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Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi - 110 003
Dated the December 27, 2004

To
The Managing Director
M/s Shri Vighnahar Sahakari Sakhar Karkhana Limited
Nivrittinagar(Dhalewadi) Post Shirol
District Pune- 410511

Sub: Distillery unit (30KLPD) by M/s Vignahar Sahakari Sakhar Karkhana Limited at village Nivruttinagar Tehsil Junnar in district Pune in Maharashtra.

Sir,

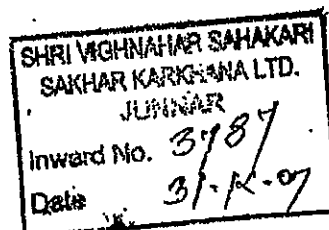
This has reference to your letter No. VGN/Dist./MOEF /2421/2003-04 dated 20th December, 2003 seeking environmental clearance along with EIA/EMP report, CD and subsequent clarifications furnished vide your letters dated 19th January, 2004 and 5th June, 2004 on the above mentioned project.

The Ministry of Environment and Forests has examined the proposal. It is noted that proposal is for setting up of a distillery unit to manufacture 30KLPD of rectified spirit, 1200 MTPM of extra neutral alcohol, 28.2KLPD of Ethanol and 2.50 MTPM of fusel oil in district Pune in Maharashtra. The unit will be in operation for 240 days in a year. Land area of the project is 13.74 ha. Project does not involve forest land and displacement of people. The unit will adopt biostil continuous fermentation technology. Water requirement of 285m³/d will be met from the river Yedgaon reservoir. Pressmud requirement would be met from the company's own sugar unit of 5 TCD. Company has earmarked 10 ha. of area for bio-composting. Solid waste will be generated in the form of ETP sludge (5 TPM), boiler ash (48 TPM) and yeast sludge (300 TPM). These would be used for composting. Public hearing of the project was held on 27th June, 2003. The panel has recommended the project. MPCB has granted NOC on 22.10.2003. Total cost of the project is Rs.9.95 crores.

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

A. SPECIFIC CONDITIONS:

- i. The industry should 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 should adopt continuous fermentation technology with yeast recycling and ensure that the spent wash generation does not exceed 7 kl/kl of alcohol produced.
- iii. As reflected in the EMP, the spent wash shall be treated with press mud. Land and other requirements for treatment of spent wash with press mud should be as per the CPCB guidelines. As committed to the Ministry, the company should earmark an area of 10 ha. for bio composting. The compost yard shall be made impervious with 250 micron HDPE lining.
- iv. The spent wash should be stored in impervious lagoons. The spent wash lagoons should have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation and undertaking given by the company, storage should 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 should 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 less than 240 days and that it will not operate during rainy season.
- vii. The company should install bag filters to control the emissions from the boiler installed to achieve the particulate emissions within the prescribed standards of 150mg/Nm³.
- viii. As reflected in the EIA /EMP, green Belt of adequate width and density in 25% of the plant area should be provided to mitigate the effects of fugitive emission all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.
- ix. Company should adopt rainwater harvesting measures to recharge the ground water.
- x. Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be strengthened and the medical records of each employee should be maintained separately.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.
- iii. Ambient Air Quality Monitoring Stations should 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.

- iv. Adequate number of influent and effluent quality monitoring stations should 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 should 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 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. The project authorities will provide adequate funds both recurring and non recurring 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 should not be diverted for any other purpose.
- viii. 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 along with the monitored data should be submitted to the monitoring agencies.
- ix. The Project Proponent should 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 should 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 should be forwarded to the Regional office.
- x. The Project Authorities should 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. Ahujara)
Additional 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, Link Road No.3, E - 5 , 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. JS(CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.

(Dr. P. L. Ahujara)
Additional Director