

No. J-11011/3/2002-IA. II (I)  
Government of India  
Ministry of Environment & Forests  
I.A.Division



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February 20, 2003

To, ✓  
**The Managing Director**  
M/s Krishna Sahakari Sakhar Karkhana Ltd.,  
Rethare Budruk, PO, Shivanagar,  
Tal. Karad, Distt. Satara.  
Maharashtra: 415 108.

**Subject: Expansion of Distillery Unit from 75 KLPD to 95 KLPD in Satara, Maharashtra by M/s Krishna Sahakari Sakhar Karkhana Ltd.- Environmental Clearance.**

Sir,

This has reference to your communication No. 17084 dated 8<sup>th</sup> December, 2001 along with EIA/EMP report, floppy and subsequent clarifications furnished vide your letters dated 26<sup>th</sup> February, 2002, 5<sup>th</sup> April, 2002, 25<sup>th</sup> May, 2002, 13<sup>th</sup> August, 2002, 24<sup>th</sup> September, 2002 and 8<sup>th</sup> November, 2002 on the above mentioned project. Ministry of Environment and Forests has carefully examined the proposal. It is noted that proposal is for expansion of distillery unit from 75 KLPD to 95 KLPD. The unit will be in operation for 240 days in a year. Land area of the project is 17.4 ha. Project does not involve forest land and displacement of people.

The unit will adopt batch fermentation technology. Molasses requirement will be met from its 7500 TCD sugar unit and partially from outside sources. Solid waste will be generated in the form of yeast sludge (5 TPM), ETP sludge (1.94 TPM) and boiler ash. All the above wastes will be mixed with pressmud for manufacture of compost. NOC from the MSPCB has been obtained on 11<sup>th</sup> April, 2001. Public hearing panel has considered the project in the meeting held on 17<sup>th</sup> April, 2001. Total cost of the project is Rs.4.65 crores.

2.0. The Ministry of Environment and Forests hereby accords environmental clearance to above expansion 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:

Sub to  
MSPCB

Dist. May / Environment  
21 May  
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**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 equipments 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. As the Company is adopting batch fermentation technology, generation of spent wash should be brought down to 575 KLPD by installation of reboiler and multiple effect reboiler system to ensure that the spent wash generation should be less than 8 kl/kl rectified spirit production.
- iii. The company should install bag filters in series with the existing multi cyclone mechanical dust collectors attached to all the four stacks to comply with the stack emission norms stipulated by MSPCB for boiler stack emission from sugar unit.
- iv. As reflected in the Environmental Management Plan, the spent wash generated shall be treated with press mud followed by composting. Land and other requirements for treatment of spent wash with press mud should be as per the CPCB guidelines. The company should earmark 40 acres of land required for composting for treatment of 100% of spent wash generated from the distillery unit. The compost yard should be made seepage proof before allowing distillery to operate at expanded capacity. Spent wash should be stored in impervious lagoons. As per the CPCB recommendation, storage should not exceed 30 days capacity.
- v. The company must set up adequate number of ground water quality monitoring stations to monitor the ground water quality in the compost and project area. Sampling and trend analysis must be on monthly basis and submit half-yearly reports to SPCB and the Ministry.
- vi. The company should undertake rainwater harvesting measures to recharge the ground water aquifer.
- vii. The company should obtain approval from the State Government for sugar factory crushing expansion from 5000 to 7500 TCD prior to commissioning the distillery expansion to ensure that the estimated quantity of press mud is available for composting spent wash.
- viii. As reflected in the EIA /EMP , green Belt of adequate width and density should be provided to mitigate the effects of fugitive emission all around the plant as per the CPCB guidelines in consultation with the local DFO.

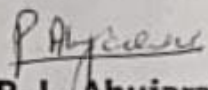


- ix. Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be strengthened and the medical records of each employee should be maintained separately.

**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, 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 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 alongwith 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. Ahujarai)  
Additional Director

**Copy to:**

1. Secretary, Department of environment and forests, Govt. of Maharashtra.
2. Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, E - 3 / 240 Arera Colony Bhopal - 462 016.
3. Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar New Delhi - 110 032.
4. Chairman Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4<sup>th</sup> Floor, Mata Ramabal Ambedaker Road, Mumbai- 400 001.
5. Adviser (EI division), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Director, 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. Ahujarai)  
Additional Director