

No.J-11011/198/2005-IA.II(I)
Government of India
Ministry of Environment and Forests
I.A. division

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Dated the 22nd August, 2005

To

The Asstt. General Manager
M/s India Glycols Limited
A-1, Industrial Area,
Bazpur Road,
Kashipur-244713

Sub: 200 KLPD distillery unit at Gorakhpur Industrial Development Area, Gorakhpur by M/s India Glycols Limited- reg. environmental clearance.

Sir,

This has reference to your letter no. AG/E C/ M OEF/2005/1493 dated 3rd June, 2005 along with EIA/EMP report, CD on the above mentioned project. The Ministry of Environment and Forests has examined the proposal. It is noted that proposal is for distillery unit for manufacturing of 200 KLPD of industrial alcohol in district Gorakhpur of Uttar Pradesh. The unit will be in operation for 330 days in a year. Land area required for the project is 60 acres. The project does not involve forest land and displacement of people. Water requirement of 4821 m³/d will be met from the ground water source. About 1320m³/d of effluent will be recycled back for the evaporator and Reverse Osmosis Plant. Therefore, fresh water requirement will be 3501m³/d.

It is noted that the project will be based on batch process. The spent wash generation from the distillery unit will be 10-11m³/kl of alcohol produced. The company will install evaporator for effluent concentration and bio methanation plant for bio gas recovery. It is also proposed to install Reverse Osmosis Plant to reduce the effluent quantity for bio methanation. The molasses and the press mud requirement shall be met from the nearby sugar unit. The ETP sludge (.02 TPD) and yeast sludge (40TPD) after fermentation process will be used for bio-composting process for the manufacture of manure. Public hearing panel has considered the project in the meeting held on 20.4.2005 . The Uttar Pradesh Pollution Control Board has granted NOC on 14.6.2005. Total cost of the project is Rs.50 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 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 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. The spent wash generation from the proposed unit shall be 2200m³/d. The distillery unit shall be operated on direct evaporation of effluent and bio methanation of effluent. Out of 200 KLPD distillery unit, about 1320m³/d of effluent shall be generated from 120KLPD distillery and 880m³/d from 80KLPD distillery. About 1320m³/d of effluent from 120KLPD distillery shall be evaporated and 264m³/d of concentrate shall be obtained. Out of 264m³/d of concentrate, 20m³/d will be used in the boiler and condensate from the evaporator after treatment shall be used in the process. The concentrate (244m³/d) from the evaporator shall be bio composted with the press mud. The effluent generation from 80KLPD distillery shall be 880m³/d and after bio methanation will be passed through reverse osmosis plant. The permeate (440m³/d) from the Reverse Osmosis Plant shall be used in the process and rejects (440m³/d) will be bio composted with press mud.
- iii. 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 18 acres for bio composting, storage of press mud and biocompost. The spent wash shall be stored in impervious lagoons not more than 30 days.
- iv. The company must monitor the ground water quality by setting up of monitoring wells around the composting and spent wash storage lagoons on a regular basis and submit half- yearly reports to SPCB and the Ministry.
- v. As reflected in the EIA /EMP , green belt in an area of 15 acres shall be provided to mitigate the effects of fugitive emission all around the plant as per the CPCB guidelines in consultation with the local DFO.
- 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 should be maintained separately.
- vii. The company shall obtain permission for ground water drawl from the Central Ground water Board.

B. GENERAL CONDITIONS:

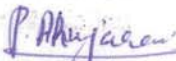
- i. The project authorities must strictly adhere to the stipulations made by the Uttar Pradesh Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.
- iii. Ambient 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 separate 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 shall 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 Lucknow /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. Ahujara)
Director

Copy to:

1. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
2. The Chairman, Uttar Pradesh State Pollution Control Board, 111 Floor, PICUP Bhavan, Vibhuti Khand, Lucknow-226020.
3. The Chief Conservator of Forests, Regional Office(Central Region), B-1/72, Sector K, Aliganj, Lucknow-226020
4. Secretary, State Deptt. of Environment, Government of Uttar Pradesh , Room NO 13, New Buildings, Vidhan Bhavan, Lucknow -226001 , UP.
5. JS(CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.- 110003.
6. Monitoring Cell , Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
7. Guard File.
8. Monitoring File.
9. Record File.

(Dr. P. L. Ahujarai)
Director

