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F. No. J-11011/486/2009- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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Telefax: 011 - 2436 3973
Dated: December 7, 2009

To:
The Joint Managing Director
M/s Agribiotech Industries Limited
SP-825, Road No. 14, Vishwakarma Industrial Area
Jaipur-302013, Rajasthan

E-mail : akaggarwall@gmail.com

Sub: Expansion of grain based distillery unit from 45 KLPD to 65 KLPD at SP-156, RICCO Industrial Area, Village: Ajitgarh, Tehsil- Srinadhropur, District Sikar, Rajasthan by M/s Agribiotech Industries Limited- reg Environmental clearance

Sir,

This has reference to your letter No.AIL/38 dated 10.8.2009 along with Form-I and detailed pre feasibility report 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 Agribiotech Industries Limited have proposed for expansion of grain based distillery unit from 45 KLPD to 65 KLPD to manufacture Extra neutral alcohol at RICCO Industrial Area in District Sikar in Rajasthan. No Wild life Sanctuary/National Park/ Biosphere reserves etc. are located within 10 Km radius of project site. Chatarpura piplod, Sawar and Devipura Chatarpura protected forests are located at a distance of 100m, 1.5 km and 4.5 respectively. Proposed expansion will be carried within the existing unit having land area of 33 acres, of which green belt will be developed in 25.95 acres of the total land area.

3. It is noted that there will be optimization of existing process by which enhancement of alcohol production will be from 9-12%. No additional requirement of power, water, land and project cost is involved. Power requirement of 1200 KW will be sourced from steam turbine & RSEB. Fuel for the 12 TPH boiler will be coal/biogas/husk. Two DG sets of 500 KVA & 300 KVA will be used as emergency power back-up. Fuel for DG set will be diesel.

4. Water requirement will be 1241 m³/day, of which 840 m³/day will be recycled water and fresh water requirement of 401 m³/day will be met from the ground water source. Permission from the Central Ground Water Authority for drawl of water has been obtained on 15th July, 2005. About 514m³/d of spent wash will be generated. The solids from the spent wash will be separated by centrifugation. Out of 514m³/d of spent wash after decantation, about 109m³/d will be in the form of wet cake which will be sold as cattle feed. Out of 405 m³/day of effluent, 162m³/d will be recycled and 243m³/d will be treated by bio-methanation followed by secondary treatment and tertiary treatment as ozonation. Treated effluent after ozonation will be partly recycled and partly used for green belt development within the plant premises. Domestic effluent will be disposed through septic tank/soak pit. Particulate emissions from the boiler will be controlled by providing multi-cyclone and stack height of 33m for dispersion of emissions. Stack height of 4.5m above roof is proposed for DG sets.

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5. Solid waste generation will be in the form of wet cake (2800 TPM) which will be used as cattle feed. ETP sludge (15 TPM) will be used as manure for green belt development.

6. All the molasses / non-molasses based distilleries are listed at Sl. No. 5(u) of schedule of EIA notification, 2006. The non molasses based distilleries of 30 KLPD and above are 'A' category projects and require appraisal by the Expert Appraisal Committee at the Centre. Public hearing is not required as the unit is located in the notified industrial area as per para 7.iii-Stage (3) (b) -public consultation of Environmental Impact Assessment Notification, 2006

7. The proposal was considered in third meeting of the Expert Appraisal Committee-2 (Industry) held during 15th & 16th September, 2009. The Committee deferred the proposal and sought the additional information for reconsideration. On receipt of additional information, proposal was placed before the Committee in its 4th meeting held during 23-24th October, 2009 for re-consideration. The Committee recommended the project for environmental clearance.

8. 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 12 TPH coal/bio gas /husk fired boiler shall be controlled by installation of multi-cyclones and emissions shall be dispersed through stack height as per the CPCB guidelines. The particulate emissions shall conform to the prescribed standards. The emissions from the DG sets shall be dispersed through stack of adequate height as per CPCB/State Pollution Control Board standards. Acoustic enclosures shall be provided to mitigate the noise pollution.
- 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 SPM, RSPM, SO₂, NO_x (ambient levels), emissions from the stacks and pH, TDS, BOD, COD, Chloride, suspended solids and sulfates 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 514 m³/d. After decantation, 109m³/d of effluent in the form of wet cake shall be sold as cattle feed. Out of remaining 405m³/d of effluent, 162m³/d shall be recycled and 243m³/d of effluent after primary, secondary and tertiary treatment as ozonation shall be partially recycled and partially used for green belt development. The treated effluent shall conform to the prescribed standards.
- 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 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 33% 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. Company shall adopt rainwater harvesting measures to recharge the ground water.
- ix. Fire Fighting System shall be as per the TAC Norms and cover all areas where alcohol is produced, handled or stored and provision of foam system for fire fighting to control fire from the alcohol storage tank.
- x. 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.
- xi. The company shall undertake measures to control overflow of alcohol storage tanks. Further, high level alarms with automatic shut-off should be installed and emergency shut off should be at a distance.
- xii. 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.
- xiii. 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 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. 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 Lucknow /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:

- i) Secretary, Department of Environment and Forests, Government of Rajasthan, Jaipur
- ii) Chief Conservator of Forests, Central Region, Ministry of Environment and Forests, B-1/72, Sector-A, Aliganj, Lucknow-226020.
- iii) Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-1100032.
- iv) Chairman, Rajasthan State Pollution Control Board, 4, Institutional area, Jhalana, Doongri, Jaipur
- v) Director (Monitoring Cell), Ministry of Environment & Forests.
- vi) Monitoring file/Guard File/Record File.

(Dr. P. L. Ahujara)
Director