



भारत सरकार  
पर्यावरण एवं वन मंत्रालय  
Government of India  
Ministry of Environment & Forests  
(IA Division)

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi – 110 003  
E-mail: [plahujarai@yahoo.com](mailto:plahujarai@yahoo.com)  
Telefax: 011: 2436 3973

F. No. J-11011/824/2007- IA II (I)

Dated: July 11, 2008

To,

The Managing Director  
M/s Aroma Biotech Private Limited.  
402, Sai Jyothi Enclave opp. Challa Nursing Home,  
Dharam Karan Road, Ameerpet,  
Hyderabad-500 016

Email: [pelcpl@gmail.com](mailto:pelcpl@gmail.com)

**Subject: Grain based 60 KLPD distillery unit along with 1.5 MW Captive Power Plant and 1 KLPD Malt Spirit Plant to manufacture Rectified Spirit/Extra Neutral Alcohol/Ethanol at Village Avapadu, Nallajerla Mandal in West Godavari District in Andhra Pradesh by M/s Aroma Biotech Private Limited- reg environmental clearance.**

Sir,

This has reference to your letter No. Nil dated 10<sup>th</sup> May 2008 along with a copy of EIA/EMP and public hearing report seeking environmental clearance under the EIA Notification, 2006 on the above mentioned subject.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that proposal is for environmental clearance for 60 KLPD grain based distillery plant to produce Rectified Spirit/ ENA/Ethanol, 1.0 KLPD Malt spirit and 1.5 MW Captive Power plant in West Godavari District in Andhra Pradesh. Maize, sorghum, bajra and broken rice will be used as raw materials. No National park/Wild life sanctuary/biosphere reserves etc. are located within 10 km radius of the proposed distillery unit. Total land area for the unit is 43.69 acres of which 15 acres has been earmarked for green belt development. Total cost of the project is Rs. 52.57 Crores.

3. The water requirement for the proposed unit will be 1505 m<sup>3</sup>/day and will be met from the Ground water source. Permission from the State Ground Water Department for water drawl has been obtained vide letter no.648/TS/GWD/ALR/Industries/2006 dated 11.08.2006. The total effluent generated from the unit will be 544 m<sup>3</sup>/d. The spent wash (360 m<sup>3</sup>/d) will be concentrated in Multiple Effect Evaporator to concentrate the solids to 30 % and then taken to drier to concentrate the solids to 55%. The concentrated slop will be incinerated in 20 TPH boiler along with Coal. The Condensate from the evaporator will be utilized for heat recovery. The wet cake from the decanter and the syrup from the evaporator will be dried in a steam to product DDGS with 50% moisture and 50% solids. Boiler blow down, DM plant regeneration will be neutralized in the neutralization tank and treated effluent will be used for green belt development. Power requirement will be met from the proposed captive power plant. Coal will be used as fuel for the boiler. Particulate emissions from 20 TPH boiler will be controlled by bag

filters. Stack height of 45 mts is proposed for the boiler. Yeast sludge (4TPD) will be incinerated in the boiler; DDGS (72 TPD) will be used as cattle feed or incinerated in the boiler along with coal and boiler ash (28TPD) will be given to brick manufactures.

4. All the non molasses based distilleries above 30 KLPD have been listed at S. no. 5 (g) in category 'A' as per the EIA notification 2006 and have to be appraised by central Government.. The proposal was considered by the Expert Appraisal Committee in its 82<sup>nd</sup> meeting held on 10<sup>th</sup> -12<sup>th</sup> June 2008. Public hearing of the project was held on 9<sup>th</sup> April, 2008.

5. 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 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS:**

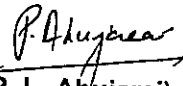
- i. The particulate emissions from the 20 TPH boilers shall be controlled by bag filter and conform to the prescribed standards. Stack height shall be as per the CPCB guidelines for dispersion of SPM emissions.
- ii. The spent wash generation shall not exceed 360 m<sup>3</sup>/d. The spent wash shall be concentrated in the Multiple Effect Evaporator followed by incineration in the boiler to achieve zero discharge.
- iii. 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. The storage of spent wash lagoon shall not be more than 3 days.
- iv. 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.
- v. Green belt in 33% of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.
- vi. The company shall not change the raw material from grain to molasses.
- vii. Company shall adopt rainwater harvesting measures to recharge the ground water.

**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, SO<sub>2</sub>, NO<sub>x</sub>, 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. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP report and public hearing report.
- vii. 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.
- viii. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- ix. 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.
- x. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore /State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report along with the monitored data shall be submitted to the monitoring agencies.
- xi. 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.

- xii. 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.
6. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
7. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
8. 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.
9. 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 and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.

  
(Dr. P. L. Ahujarai)  
Director

**Copy to:**

1. The Secretary, State Deptt. of Environment, Government of Andhra Pradesh, Mantralaya, Hyderabad.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, Andhra Pradesh State Pollution Control Board, 2<sup>nd</sup> Floor, HUDA Complex, Maitrivaram, S.R.Nagar, Hyderabad- 500 038.
4. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17<sup>th</sup> Main Road, Koramangala, Bangalore-560034.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
6. Guard file./Record file./Monitoring file.

  
(Dr. P. L. Ahujarai)  
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F. No. J-11011/824/2007- IA II (I)

Dated: 3<sup>rd</sup> June, 2009

To,

The Managing Director  
M/s **Aroma Biotech Private Limited.**  
402, Sai Jyothi Enclave opp. Challa Nursing Home,  
Dharam Karan Road, Ameerpet,  
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Sir,

This has reference to your letter No. Nil dated nil received in the Ministry on 31<sup>st</sup> December, 2008 on the above mentioned subject requesting the Ministry for amendment in the environmental clearance accorded vide Ministry's letter of even no dated 11<sup>th</sup> July, 2008

2.0 The matter was placed before the Committee in its 94<sup>th</sup> meeting held during 12-14<sup>th</sup> May, 2009. Based on the recommendations of the Committee, following amendments are made in the environmental clearance of even no. dated 11<sup>th</sup> July, 2008.

Sl. No.	As per EC dated 11 <sup>th</sup> July, 2008	Amendment in the EC
1	The spent wash (360 m3/d) will be concentrated in Multiple Effect Evaporator to concentrate the solids to 30% and then taken to a drier to concentrate to 55% solids. The concentrated slope will be incinerated in 20 TPH boiler along with coal (para 3, 4 <sup>th</sup> & 5 <sup>th</sup> lines) and then will be incinerated in the boiler.	The spent wash (360 m3/d) will be concentrated in the treated in Multiple Effect Evaporator to concentrate the solids to 30% and will be taken to a drier to concentrate to 90% solids and the powder obtained will be bagged and used as manure to be utilized by farmers.
2	Boiler capacity 20 TPH ( para 3, 6 <sup>th</sup> & 7 <sup>th</sup> line).	The boiler capacity may be read as 28 TPH
3	1.5 MW Power generation( para 2, 3 <sup>rd</sup> line) .	2.25 MW of Power generation
4	The total cost of the project is Rs. 52.57 Crores Cost (para 2, 8 <sup>th</sup> line).	The total cost of the project is Rs. 65.29 Crores
5	Water requirement for the proposed unit will be 1505 m3/d. (para 3, 1 <sup>st</sup> line)	Water requirement for the proposed unit will be 1540 m3/d.
6	Total effluent generated from the unit will be 544 m3/d (para 4, 4 <sup>th</sup> line)	Total effluent generated from the unit will be 549 m3/d

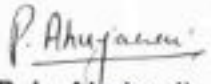
3.0 Further, it is also proposed to stipulate following additional specific conditions for compliance:

- i. The particulate emissions from the 28 TPH boiler shall be controlled by bag filter and conform to the prescribed standards. Stack height shall be as per the CPCB guidelines for dispersion of SPM emissions.
- ii. The spent wash generation shall not exceed 360 m3/d. The spent wash shall be concentrated in the Multiple Effect Evaporator followed by drying to concentrate the solids from 30% to 90% to achieve zero discharge.
- 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, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels) and pH, TDS, BOD, COD, SS, chloride and sulfates in the treated waste water and ground water shall be monitored once in a month and displayed at a convenient location near the main gate of the company and at important public places.



4.0 All the other specific and general conditions stipulated shall remain same. In case of change in the scope of the project, the company shall obtain fresh environmental clearance.

5.0 This issues with the approval of the competent authority.

  
(Dr. P. L. Ahujarai)  
Director

**Copy to:**

1. The Secretary, State Deptt. of Environment, Government of Andhra Pradesh, Mantralaya, Hyderabad.
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