

F. No. J-11011/191/2007- IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi – 110 003  
E-mail : [plahujarai@yahoo.com](mailto:plahujarai@yahoo.com)  
Telefax: 011 - 24363973  
Dated March 20, 2008

To,

The Director(Works)  
M/s Somaiya Organo Chemicals  
8 Fazalbhoy Building, 45/47,  
M G Road, Fort,  
Mumbai – 400 021

**Sub: Expansion of cane juice based distillery unit from 60 KLPD to 200 KLPD at Village Samazwadi, Bagalkot in Karnataka by M/s Somaiya Organo- Chemicals Limited – reg environmental clearance.**

Sir,

This has reference to your letter no. nil dated 29.9.2007 and subsequent communication dated 26.2.2008 on the above mentioned project.

2. The Ministry of Environment and Forests has examined your application. It is noted that proposal is for expansion of cane juice based distillery unit from 60KLPD to 200KLPD for production of rectified spirit and for fuel ethanol plant from 50KLPD to 150KLPD in district Bagalkot in Karnataka. The expansion will be based on Alfa Laval Technology by using high grade molasses for fermentation. It is noted that expansion will be carried within the existing plant premises. After the expansion of distillery, the existing batch fermentation process shall be abandoned. The spent wash generation will be 400 m<sup>3</sup>/d during the crushing season, when high grade molasses is used and 800 m<sup>3</sup>/d during the non-crushing season when C grade molasses is used. The spent wash will be concentrated using Multiple Effect Evaporator (MEE) and after concentration in the MEE will be incinerated in the boiler. The steam generated from the baggase fired boiler will be used for power generation. The ash obtained from the boiler will be used as a fertilizer. Water requirement of 1000m<sup>3</sup>/d will be met from the ground water source. Public hearing of the project was held on 9<sup>th</sup> June, 2006. Cost of the project is Rs.47.5 crores.

3. 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 the compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS:**

- i. The company shall adopt continuous fermentation technology. The spent wash generated shall be concentrated in the Multiple Effect Evaporator (MEE) followed by incineration in the boiler to achieve zero discharge. The steam generated from the boiler shall be used for power generation. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly followed.
- ii. The emissions from the baggase fired boiler shall be controlled by multi-cyclone dust collector and emissions shall be dispersed through stack of height as per State Pollution Control Board/CPCB standards.
- 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. As per the CPCB recommendation, storage shall not exceed 30 days capacity.

✓  
iv.

Adequate numbers of ground water quality monitoring stations by providing piezometers around the 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's Regional Office at Bangalore.

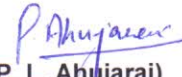
- v. As reflected in the EIA /EMP, green belt of adequate width and density in 33% of plant area shall be provided to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.
- vi. The company shall obtain permission from the Central Ground Water Board to draw ground water.

**B. GENERAL 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 project authorities must strictly adhere to the stipulations made by the Karnataka State Pollution Control Board and the State Government.
- iii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iv. 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.
- v. 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.
- vi. 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 shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA ( day time) and 70 dBA ( night time).
- vii. Company shall adopt rainwater harvesting measures to recharge the ground water.
- viii. 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.
- ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP report and suggestions made during the public hearing meeting.
- x. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- xi. The project authorities shall provide requisite funds for both recurring and 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.




- xii. 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 alongwith the monitored data shall be submitted to the monitoring agencies.
- 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.
4. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
5. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
6. 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)  
Director

Copy to:-

1. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
2. Chairman, Karnataka State Pollution Control Board, 6,7,8&9<sup>th</sup> Floor, (Public Utility Building) Subhas Chandra Bose Building, M.G. Road, Bangalore-560001, Karnataka.
3. Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IV<sup>th</sup> Floor, E&F Wing, 17<sup>th</sup> Main Road, Koramangala, Bangalore-560034.
4. Secretary, State Department of Environment and Forests, Govt. of Karnataka, Bangalore.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.

  
(Dr. P. L. Ahujarai)  
Director

F. No. J-11011/191/2007- IA II (I)  
Government of India  
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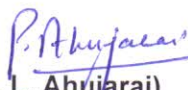
Dated April 10, 2008

**CORRIGENDUM**

**Sub: Expansion of molasses based distillery unit from 60 KLPD to 200 KLPD at Village Sameerwadi in district Bagalkot in Karnataka by M/s Somaiya Organo Chemicals ( A unit of the Godavari Sugar Mills Ltd) - reg environmental clearance.**

This is in continuation of this Ministry's earlier letter of even no. dated 20<sup>th</sup> March, 2008 and your letter dated no.SMR/SOC/MOEF/2007-08/1231 dated 29<sup>th</sup> March, 2008. Following amendments may be read:

- i. In the subject it may be read as molasses instead of cane juice and name of the village Sameerwadi instead of Smazwadi.
- ii. In the 2<sup>nd</sup> para, 2<sup>nd</sup> line may be read as expansion of molasses base instead of cane juice.
- iii. The 2<sup>nd</sup> para , 7<sup>th</sup> and 8<sup>th</sup> line may be read as 400m<sup>3</sup>/d when high grade molasses is used and 800m<sup>3</sup>/d when 'C' grade molasses is used.
- iv. The last but one line of 2<sup>nd</sup> para may be read as 1000m<sup>3</sup>/day will be met from the River Ghatprabha instead of ground water source.
- v. In the last line of para 2<sup>nd</sup> may be read as 21<sup>st</sup> November,2007 instead of 9<sup>th</sup> June, 2006.
- vi. The specific condition no.vi may be read as that the company shall obtain permission from the State Government Authority for drawl of water.

  
(Dr. P. L. Ahujarai)  
Director

To,  
The Director(Works)  
M/s Somaiya Organo Chemicals  
( A unit of the Godavari Sugar Mills Ltd)  
Fazalbhoy Building,  
45/47, M G Road, Fort,  
Mumbai - 400 021

Copy to:-

1. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
2. Chairman, Karnataka State Pollution Control Board, 6,7,8&9<sup>th</sup> Floor, (Public Utility Building) Subhas Chandra Bose Building, M.G. Road, Bangalore-560001, Karnataka.
3. Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IV<sup>th</sup> Floor, E&F Wing, 17<sup>th</sup> Main Road, Koramangala, Bangalore-560034.
4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
5. Guard File./Monitoring File/Record File.

(Dr. P. L. Ahujarai)  
Director





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

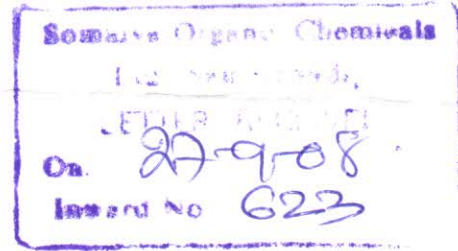
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Telefax: 011: 2436 3973

F. No. J-11011/191/2007-IA-II(I)

Dated : September 2, 2008

To,

The Director (Works)  
M/s Somaiya Organo Chemicals  
8 Fazalbhoy Building, 45/47,  
M G Road, Fort,  
Mumbai - 400 021



**Sub: Expansion of Molasses based distillery unit from 60 KLPD to 200 KLPD at Village Sameerwadi in District Bagalkot in Karnataka by M/s Somaiya Organo- Chemicals Limited - amendment in environmental clearance by Change in spent wash treatment technology regd.**

Sir,

This has reference to your letter no. SMR/SOC/MOEF/2007-08/225 dated 11<sup>th</sup> June, 2008 on the above mentioned project. Requesting the Ministry to amend the conditions in the environmental clearance order of even no. dated 20<sup>th</sup> March 2008.

2. The Ministry of Environment and Forests has examined your request regarding change in the spent wash treatment technology from concentration in the multiple effect evaporator followed by incineration in the boiler to biomethanation of spent wash followed by composting with pressmud. It is noted that the unit is attached to sugar unit of capacity 7500 TCD. The capacity of sugar unit is being expanded to 15000 TCD.

3. The matter was placed before the Expert Appraisal Committee in its 83<sup>rd</sup> meeting held during 14-16 July, 2008. As the proposed method of treatment of spent wash is as per the CPCB guidelines and the distillery is attached to the sugar unit, the committee recommended for change in the treatment methodology for spent wash.

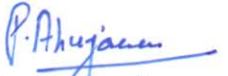
4. In view of the above, the specific condition No. i stipulated in environmental clearance order dated 20<sup>th</sup> March, 2008 regarding ;

*"The company shall adopt continuous fermentation technology. The spent wash generated shall be concentrated in the Multiple Effect Evaporator (MEE) followed by incineration in the boiler to achieve zero discharge. The steam generated from the boiler shall be used for power generation. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly followed"*

*shall be replaced by*

*"The company shall adopt continuous fermentation technology. The spent wash generation shall not increase 600 m<sup>3</sup>/d i.e. @3 kl/kl of rectified spirit produced. The spent wash after bio-methanation in the anaerobic digester shall be composted with press mud. An area of 26 acres shall be earmarked for compost yard. The compost yard shall be lined with HDPE sheets and construction of compost yard shall as per the CPCB guidelines. The unit shall operate for 270 days leaving the rainy season. Ground water quality monitoring stations by providing the piezometers shall be setup around the compost yard to monitor the ground water quality and data submitted to the regional office of the Ministry at Bangalore."*

5. All the other conditions stipulated vide Ministry's earlier letter of even no. dated 20<sup>th</sup> March, 2008 shall remain the same.
6. This issues with the approval of the competent authority.

  
(Dr. P. L. Ahujarai)  
Director

Copy to:-

1. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
2. Chairman, Karnataka State Pollution Control Board, 6,7,8&9<sup>th</sup> Floor, (Public Utility Building) Subhas Chandra Bose Building, M.G. Road, Bangalore-560001, Karnataka.
3. Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IV<sup>th</sup> Floor, E&F Wing, 17<sup>th</sup> Main Road, Koramangala, Bangalore-560034.
4. Guard File.
5. Monitoring File.
6. Record File.

  
(Dr. P. L. Ahujarai)  
Director



**No. J-11011/191/2007-IA-II (I)**  
Government of India  
Ministry of Environment, Forests and Climate Change  
**(I.A. Division)**

Indira Paryavaran Bhawan  
Aliganj, Jorbagh Road,  
New Delhi -110003  
E-mail :yogendra78@nic.in

Telefax : 011: 24695365  
Dated: 25<sup>th</sup> April, 2017

To,

Sh. S.U.Godage, General Manager  
M/s Godavari Biorefineries Limited.  
Somaiya Bhavan, 45-47, M.G. Road,  
PO Box No. 384, Fort, Mumbai – 400 001.

**Subject: Expansion of cane juice based distillery unit from 60 KLPD to 200 KLPD at Village Samazwadi, Bagalkot, Karnataka by M/s Godavari Biorefineries Ltd. (changed from M/s Somalya Organo Chemicals Unit)- reg. Amendment in EC.**

Ref:- Your online application vide No.IA/KA/IND2/49143/2008 dated 12th February 2016.

Sir,

Kindly refer to your online application vide No.IA/KA/IND2/49143/2008 dated 12<sup>th</sup> February 2016 in which you had requested for amendment in the existing Environmental Clearance for Change of Technology for spent wash treatment of Distillery based on "Concentration, Incineration" instead of Bio composting alone and days of operation of distillery to 330 days from 270 days.

2. The above proposal was placed before the Expert Appraisal Committee (Industry-2) in its 12<sup>th</sup> Expert Appraisal Committee (Industry-2) meeting during 26<sup>th</sup> to 27<sup>th</sup> September, 2016. After deliberation the committee agreed with the aforesaid amendments. The Ministry grants the above amendments in the Environmental Clearance dated 20.03.2008 as amended on 02.09.2008. Accordingly, the specific condition stipulated in EC at Sr. No. (i) may be read as:

"The company shall adopt continuous fermentation technology. The spent wash generation shall not increase 600 m<sup>3</sup>/d i.e. @ 3 kl/kl of ractified sprit produced. The spent wash after bio-methanation in the anaerobic digester shall be composted with press mud. An area of 26 acres shall be earmarked for compost yard. The compost yard shall be lined with HDPE sheets and construction of compost yard shall as per the CPCB guidelines. The total operating days of the plant will be 330 days. The unit shall be using bio-composting methods of spent wash treatment technology along with Multiple Effect Evaporator (MEE) followed by incineration in the boiler to achieve zero liquid discharge. Ground water quality monitoring stations by providing the piezometers shall be setup around the compost yard to monitor the ground water quality and data submitted to the Regional Office of the Ministry at Banglore"

Contd./





3. All other conditions stipulated vide Ministry's earlier letter of even No. dated 20<sup>th</sup> March, 2008 shall remain the same.
4. This issues with the prior approval of the Competent Authority.

*Y.P.S.*  
*25.4.2017*

**(Yogendra Pal Singh)**  
**Scientist 'D'**

**Copy to :**

1. Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Comple, East Arjun Nagar, Delhi-110032.
2. The Member Secretary, Karnataka State Pollution Control Board, "Parisara Bhawan, 4<sup>th</sup> -5<sup>th</sup> Floor, #49, Chruch Street, Bangalore-56001, Karnataka.
3. Chief Conservator of Forests(Central), Regional Office(SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17<sup>th</sup> Main Road, Koramangala II Block, Bangalore-560034.

*Y.P.S.*  
*25.4.2017*

**(Yogendra Pal Singh)**  
**Scientist 'D'**