

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

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New Delhi – 110 003  
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Telefax: 011: 2436 3973

F. No. F. No. J-11011/272/2009- IA II (I)

Dated the July 7, 2009

To,

The Director (Works)  
M/s Godavari Biorefineries Limited  
Sameerwadi, Bagalkot Dist.,  
Karnataka

**Sub: Expansion of Distillery unit capacity from 200 KLPD to 320 KLPD based on grains/cassava/tapioca/sugar cane juice/ beet sugar juice/molasses as raw material and 40KLPD ENA to 260 KLPD ENA at Sameerwadi, Bagalkot District in Karnataka by M/s Godavari Biorefineries Limited- reg environmental clearance**

Sir,

This has reference to your letter No.SMR/GBL/MOEF/120KLPD/09-10 dated 15.4.2009 along with Form-1 and prefeasibility report seeking environmental clearance under the provisions of Environmental Impact Assessment Notification, 2006 on the above mentioned subject.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Godavari Biorefineries Limited (formerly known as M/s Somaiya Organo Chemicals- a unit of Godavari Sugars Mills Ltd. ) have proposed for expansion of distillery plant capacity from 200 KLPD to 320 KLPD and ENA plant capacity from 40 KLPD to 260 KLPD at Sameerwadi, Bagalkot Dist. in Karnataka. The expansion will be carried within the existing sugar unit of 7500 TCD which will be expanded to 15,000 TCD shortly. The capacity of co-generation plant will increase from 24 MW to 64 MW. The land area available for the unit is 48.40 ha, of which green belt will be developed in the area of 10 ha. The land requirement for the entire project is 35.50 ha including compost yard. The unit will operate for 270 days /year for molasses based operations and 300 days for grain based operations. No Wildlife sanctuary/national park/biosphere reserve etc. is located within 10 km radius of the plant. River Ghataprabha flows at a distance of 5 kms from the proposed unit. Environmental Clearance for 200 KLPD Distillery was accorded by MOEF vide letter no. J-11011 /191/2007 -IA (II) dated 28/03/2008 and amendment vide letter no. J-11011/191/2007-1A-II (1) dated Sept. 2, 2008. Public hearing for the project was held in November, 2007. The proposal regarding expansion of sugar capacity from 7500 TCD to 15000 TCD and cogeneration plant from 24 MW to 64 MW is being considered by the State Level Environmental Impact Assessment Authority, Karnataka. Public hearing for the sugar unit and cogeneration plant has been held on 4.2.2009. Project cost for expansion is Rs. 48.0 crores.

3. The additional requirement of water for the proposed expansion will be met from the condensates. Existing water requirement of 1000 m<sup>3</sup>/day is met from the ground water source. The spent wash generation will be 800 m<sup>3</sup>/day. Spent wash treatment for grain based cassava/tapioca operations will be by concentration and conversion in to DWGS



which will be used as animal feed. The thin slop/spent lees will be recycled as process water. Spent wash treatment for molasses/ sugar cane juice/beet sugar juice based operations will be by Bio-methanation followed by concentration in multiple effect evaporator and composting with press mud. The slops will be concentrated in evaporators and sold as animal feed. The condensate from the evaporators will be used as process water. The spent lees will be recycled for dilution for process. Power requirement of 2.5 MW and steam requirement of 30 MT/hr. will be met from the 64 MW/day co-generation units. In emergency, steam and power requirement will be met from the 45MT/hr boiler and 3.0MW turbine.

4. Particulate emissions from the co-generation unit boiler will be controlled by ESP and emissions from the boiler will be controlled through wet scrubbers. Solid waste generation will be in the form of yeast sludge and will be sold as manure. Ash from the boiler will be used in composting.

5. All the molasses /grain based distilleries have been listed at Sl. no. 5 (g) in category 'A', as per the EIA notification, 2006 and have to be appraised by central Government. The Expert Appraisal Committee (I) considered the project in 95<sup>th</sup> Meeting held on 15-17<sup>th</sup> June, 2009. The Committee recommended the project for environmental clearance as per para 7 (ii) of EIA Notification, 2006 exempting from preparation of EIA and Public hearing.

6. 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 industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the Environment (Protection) Act, 1986 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 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 emissions from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- iii. The particulate emissions from the 64MW cogeneration unit shall be controlled by ESP and emissions from the boilers shall be controlled by wet scrubber and emission shall be dispersed through stack. The stack height shall be as per the CPCB standards/guidelines for dispersion of SPM emissions.
- iv. The spent wash generated (800 m<sup>3</sup>/d) from molasses/ sugar cane juice/ Beet sugar juice based raw material after bio methanation shall be evaporated in the multiple effect evaporator and thereafter composted with press mud. The slopes from the grains, cassava/tapioca based process shall be concentrated in evaporator and converted into DWGS which will be used as animal feed. The condensate from the evaporator shall be recycled in the process.



- 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. The storage capacity of the lagoons for spent wash shall be as per CPCB guidelines and shall not exceed 30 days
- vi. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area and compost yard shall be set up. Sampling and trend analysis monitoring must be made on a monthly 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 and compost yard as per the CPCB guidelines in consultation with the local DFO.
- viii. Company shall adopt rainwater harvesting measures to recharge the ground water.

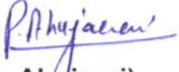
**B. GENERAL CONDITIONS:**

- 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. 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 whom 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 environmental statement for each financial year ending 31<sup>st</sup> 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.
  - xi. 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.
  - xii. 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.
  - 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.
7. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  8. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
  9. 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.




10. 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 ) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
(Dr. P. L. Ahujarai)  
Director

**Copy to:**

1. The 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) NSB building, Mahatma Gandhi Marg, Bangalore -560001, Karnataka.
3. Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth 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. Director, 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-11011/272/2009- IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

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E-mail : [pb.rastogi@nic.in](mailto:pb.rastogi@nic.in)  
Telefax : 011: 2436 7668  
Dated 1<sup>st</sup> June, 2011

MoEF (Butanol)  
g

Gm Chemical  
}

To,

Mr V. Sivaprakasamm  
Director (Works)  
M/s Godavari Biorefineries Limited  
Distillery Division, Sameerwadi,  
District Bagalkot, Karnataka.

E-mail : [slqarg@somaiya.com](mailto:slqarg@somaiya.com) ; Fax: 08350-260022/37

**Subject:** Expansion of Distillery Unit Capacity from 200 KLPD to 320 KLPD based on grain/cassava/tapioca/sugar cane juice/ molasses as raw material and 40 KLPD to 260 KLPD ENA at Sameerwadi, Bagalkot District in Karnataka by M/s Godavari Biorefineries Limited. – Amendment reg.

**Ref. :** (i) Ministry's even letter dated 7<sup>th</sup> July, 2009 and 2<sup>nd</sup> December, 2010.  
(ii) Your letter no. GBLD/MoEF/Amendment/2010-11/01 dated 21<sup>st</sup> July, 2010 and letter no. SMR/GBLD/MOEF-320/2010-11/868 dated 20<sup>th</sup> December, 2010.

Sir,

Kindly refer your letter dated 21<sup>st</sup> July, 2010 and 20<sup>th</sup> December, 2010 regarding above mentioned project, wherein you have requested for the change in product mix from ethanol to following items in the environmental clearance letter of even no. dated 7<sup>th</sup> July, 2009:

S. N.	Products	Capacity
1	Bio-butanol	14.88 KLPD
2	Acetone	5.43 KLPD
3	Ethanol	293.53 KLPD

2.0 The proposal was considered by the Expert Appraisal Committee (Industry-2) in its 15<sup>th</sup> and 21<sup>st</sup> meeting held during 22<sup>nd</sup>-23<sup>rd</sup> October, 2010 and 23<sup>rd</sup>-24<sup>th</sup> March, 2011 respectively. The Committee noted that there is no increase in final capacity of the plant (i.e. 320 KLPD), water requirement, effluent treatment scheme, 'zero' effluent discharge, recycle/reuse of part of the spent wash, reduction in press mud including no additional land requirement.

3.0 Since, the proposal involves manufacturing of bio-butanol (14.88 KLPD), acetone (5.43 KLPD) and ethanol (293.53 KLPD) instead of ethanol alone, the Ministry has no objection for the change in product mix. However, compliance to the following conditions may be ensured:

- (i). All the specific conditions and general conditions specified in the environmental clearance accorded vide Ministry's letter 20<sup>th</sup> March, 2008 and 7<sup>th</sup> July, 2009 shall be implemented.
- (ii). The environmental clearance is subject to decision of the Hon'ble High Court of Karnataka in WP 45348/2004. ✓




- (iii). 'Consent to Establish and Operate' for the revised proposal shall be obtained from the Karnataka Pollution Control Board.
- (iv). No further modification or change in product mix shall be carried put without prior approval from the Ministry of Environment & Forests.
- (v). No additional water shall be sourced for the revised product mix.
- (vi). No change in the treatment technology shall be done. There shall not be any increase in the quantity of spent wash generation. Spent wash from the molasses based distillery shall be treated in anaerobic process followed by evaporation in multi-effect evaporation (MEE) and drying.

4.0 All other conditions also remain the same.

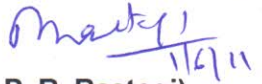
5.0 This issues with prior approval from the Competent Authority.

6.0 You are requested to keep this letter with the Environmental Clearance accorded vide letter No. F. No. No. F. No. J-11011/272/2009 – IA II (I)- IA II (I) dated 7<sup>th</sup> July, 2009.

  
(Dr. P. B. Rastogi)  
Director

Copy to :

1. The Secretary, Department of Environment & Ecology, Govt. of Karnataka, Room No. 708, Gate 2, Multi Storied Building, Dr. Ambedkar Veedhi, Bangalore - 560 001 [secyenv-fee@karnataka.gov.in](mailto:secyenv-fee@karnataka.gov.in)
2. The Chief Conservator of Forests, Regional Office (Southern Zone, Bangalore) Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Karnataka State Pollution Control Board, #49, Parisara Bhavana, Church Street, Bangalore-01 (Karnataka).
5. Adviser, IA II(I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File/Monitoring File/Record File.

  
(Dr. P. B. Rastogi)  
Director

F. No. J-11011/272/2009- 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 : lk.bokolia@nic.in  
Telefax : 011: 24695401  
Dated: 3<sup>rd</sup> February, 2015

To,

Shri V. Sivaprakasamm  
Director (Works)  
M/s Godavari Biorefineries Limited  
Distillery Division, Sameerwadi,  
District Bagalkot, Karnataka.

E-mail : [slqarg@somaiya.com](mailto:slqarg@somaiya.com) ; Fax: 08350-260022/37

Subject: Expansion of Distillery Unit Capacity from 200 KLPD to 320 KLPD based on grain/cassava/tapioca/sugar cane juice/molasses as raw material and 40 KLPD to 260 KLPD ENA at Sameerwadi, Bagalkot District in Karnataka by M/s Godavari Biorefineries Limited -Extension of Validity of Environmental Clearance reg.

Ref. : (i) Ministry's letter of even no. dated 7<sup>th</sup> July, 2009 and 1<sup>st</sup> June, 2011.  
(ii) Your letter no. GBL/SAK/817 dated 20<sup>th</sup> September, 2014.

Sir,

This is in continuation of this Ministry's letter referred above and your letter under reference, wherein you have requested for extension of extension of validity of aforesaid environmental clearance (EC) letter for another term.

2. The proposal referred above was placed before the Reconstituted Expert Appraisal Committee (Industry) in its 26<sup>th</sup> meeting held during 29<sup>th</sup>-30<sup>th</sup> October 2014. The Committee recommended for the extension of validity of EC by a period of five years with effect from 07.07.2014.

3. The Ministry accepts the recommendation of the REAC (Industry) and extends the validity of the Environmental Clearance letter no. F. No. J-11011/272/2009- IA II (I) dated 7<sup>th</sup> July, 2009 for a period of five years with effect from 07.07.2014.

4. All other conditions stipulated in the environmental clearance letter no. F. No. J-11011/272/2009- IA II (I) dated 7<sup>th</sup> July, 2009 and 1<sup>st</sup> June, 2011 shall remains the same.

  
(Lalit Bokolia)  
Additional Director

Copy to:-

1. The Secretary, Department of Environment & Ecology, Govt. of Karnataka, Room No. 708, Gate 2, Multi Storied Building, Dr. AmbedkarVeedhi, Bangalore - 560 001.

*Approved*  
*4/2/15*



2. The Chief Conservator of Forests, Regional Office (Southern Zone, Bangalore)KendriyaSadan, 4th Floor, E&F Wing, II Block Koramangala, Banglore-560034.
3. The Chairman, Central Pollution Control Board PariveshBhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Karnataka State Pollution Control Board, #49, ParisaraBhavana, Church Street, Bangalore-01 (Karnataka).
5. The District Collector, District Mandya, Kamataka.
6. Monitoring Cell, Ministry of Environment, Forests and Climate Change Paryavaran Bhavan, Indira Paryawaran Bhawan, New Delhi.
7. Guard File/Monitoring File/Record File.

  
(Lalit Bokolia)  
Additional Director

