

Ministry of Environment, Forests & Climate Change
Aling Road, Bagh Road
New Delhi 110003
aditya.narayani@moef.gov.in
Phone No.2469 5398
Dated 8th September, 2014

To

✓ Shri A.M.Patil
Managing Director
M/s Shri Hiranyakeshi Sahakari Sakkare Karkhana Niyamit
Sankeshwar, District Belgaun-591314, Karnataka

Subject:- Expansion of Sugar Mill Capacity from 5000 TCD to 11000 TCD and expansion of distillery capacity from 54 KLPD to 84 KLPD and Co-generation capacity from 41 MW to 52 MW of M/s Hiranyakeshi Sahakari Sakkare Karkhana Niyamit at Sanakes, District Belgaon, Karnataka - regarding extension of validity of Environmental Clearance.

Ref (i) MoEF&CL letter of even number dated 9th April, 2009
(ii) Your letter No.ENV/6058/2014 dated 28th January, 2014

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This is in continuation of this Ministry's letter referred above and your letter under reference wherein you have requested for extension of validity of aforesaid Environmental Clearance.

2. The proposal referred above was placed before the Reconstituted Expert Appraisal Committee (Industry) in its 18th Meeting held on 28th -30th April, 2014. The Committee recommended for the extension of validity of Environmental Clearance by a period of three years.

3. The Ministry accepts the recommendation of the REAC (Industry) and extends the validity of the EC letter No.J-11011/54/2009-IAII(I) dated 9th April, 2009 for a period of three years w.e. 09.04.2014 till 08.04.2017

4. This issues with the approval of Competent Authority.

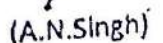


A.N.Singh)

Joint Director

Copy to:

- i. The Chief Conservator of Forests (WZ), Ministry of Environment, Forests & Climate Change, Regional Office, (Southern Zone, Bangalore) Kendriya Sadan, 4th Floor, E&F Wing II Block Koramangala, Bangalore-560034.
- ii. The Chairman, Karnataka State Pollution Control Board, #49, Parisar Bhavan, Church Street, Bangalore-01 (Karnataka)


(A.N.Singh)

OHRI
Inward No.
09 MAY 2009
Dept. *air* *MD*
Sign. *X* *O.S.A.*

F. No. J-11011/54/2009- 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
Telefax: 011 - 2436 3973
Dated: April 9, 2009

To,
The Managing Director
M/s Shri Hiranyakeshi Sahakari Sakkare Karkhane Niyamit
Sankeshwar -591-314,
Belgaum District, Karnataka

Email: hirasugarskv@yahoo.com

Sub: Expansion of sugar mill capacity from 5000 TCD to 11000 TCD, Modernization and expansion of distillery capacity from 54 KLPD to 84 KLPD, expansion of Co-generation capacity from 41 MW to 52 MW and establishment of 30 KLPD ENA/Ethanol plant at Sankeshwar in District Belgaum in Karnataka by M/s Shri Hiranyakeshi Sahakari Sakkare Karkhane Niyamit- reg Environmental Clearance

Sir,
This has reference to your letter No. Cogen/no.6956/2008 dated 12th January 2009 along with a copy of Form -1 and pre-feasibility reports on the above subject seeking environmental clearance under the EIA Notification, 2006.

2.0 The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Shri Hiranyakeshi Sahakari Sakkare Karkhane Niyamit have proposed for expansion of sugar mill capacity from 5000 TCD to 11000 TCD and expansion of distillery capacity from 54 KLPD to 84 KLPD based on continuous fermentation process and Co-generation capacity from 41 MW to 52 MW and establishment of 30 KLPD ENA/Ethanol plant at Sankeshwar, in District Belgaum in Karnataka. No eco-sensitive area is located within the radius of 10 km. of the project. River Hiranyakeshi flows at a distance of 2.5 kms from the proposed unit. The proposed expansion will be carried within the existing unit having land area of 81.15 ha, of which 5 ha is earmarked for sugar unit, 10.81 ha for co-generation power plant, 5 ha for distillery unit and 30 ha for green belt development. Environmental clearance to 41 MW Cogeneration plant was accorded on 25th July, 2006. The sugar unit will operate for 200 days, cogeneration power plant for 300 days and distillery for 270 days. The total cost of the project will be Rs. 70.00 Crores

3.0 Total water requirement will be 2970 m³/day (sugar unit 750 m³/day, co-generation 1100 m³/day, distillery unit 1000 m³/day and domestic 120 m³/day). Source of water will be the River Hiranyakeshi. The effluent from sugar unit (750 m³/day) will be treated in ETP and treated effluent will be used for irrigation. Effluent from cogeneration unit (280 m³/day) will be treated by neutralization and settling and treated effluent will be used for irrigation. Domestic effluent will be treated in septic tank followed by filters. The total spent wash generation from the distillery will be 760 m³/day. The spent wash treatment will be biomethanation followed by concentration and bio-composting with press mud. Spent wash quantity after concentration will be 300 m³/day. The total power requirement will be 16.70 MW and will be met from own cogeneration power plant. Fuel requirement will be bagasse (2182 TPD) for the cogeneration power plant and surplus 1228 MTPD of bagasse and 480 M³/day of coal in case of shortage of bagasse will be used during off season. Two DG sets of 500 KVA each are proposed for stand by power supply.

4.0 Particulate emissions from the two 100 TPH boilers will be controlled by providing wet scrubber/ ESP with stack height of 85m. Stack height of 6 m, above the roof is proposed for DG set for dispersion of gaseous emissions. Solid waste generation in the form of fly ash from the cogeneration boilers will be used in composting or used as soil conditioner. The lubricant oil after mixing with baggase will be burnt in boiler.

5.0 The project activity is listed at 5 (g) and is of 'A' category. The Expert Appraisal Committee (I) considered the project in its 92nd meeting held on 18th to 20th March 2009. The proposal was recommended for environmental clearance as per para 7(ii) of EIA Notification, 2006 exempting the project from preparation of EIA& Public hearing.

6.0 Based on the information submitted by project authorities, 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 company shall adopt continuous fermentation technology and spent wash generation shall not exceed 760 m³/d which after bio-methanation followed by concentration shall be composted with press mud to achieve zero discharge. The press mud requirement, area for compost yard and storage of finished products shall be as per the CPCB guidelines. The effluent from the sugar unit and from the cogeneration power plant after treatment shall be used for irrigation after conforming to the prescribed standards. The domestic effluent shall be disposed of in the soak pit.
- ii. 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 for the spent wash and treated effluent from the sugar unit shall not exceed 15 days capacity.
- iii. 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 monthly a basis and report submitted to SPCB and this Ministry.
- iv. Particulate emissions from the 200 TPH boilers shall be controlled by installation of wet scrubber/ ESP and emissions shall be dispersed through stack of height as per CPCB standards. The DG set shall be provided with acoustic enclosures to mitigate the noise pollution and emissions shall be dispersed through stack of height as per CPCB standards.
- v. 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 criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

- vi. The company shall obtain permission from the State Irrigation/Ground Water Department to draw the water as may be applicable to this case.
- 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. The Company shall adopt rainwater harvesting measures to recharge the ground water.
- ix. 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. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP 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.

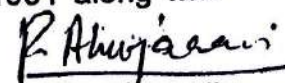
- ix. The project authorities shall provide requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by the non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- x. 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.
- 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 GPCB 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.

7.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

8.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.

9.0 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.

10.0 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&9th 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, 17th 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