

F. No. J-11011/764/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
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New Delhi - 110 003

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Dated: 3rd June, 2010

To,

The Chief Executive Officer
M/s A.B. Sugars Limited
Chadha Estate, Village Randhawan
P.O. Berchha, Tehsil Dasuya
District Hoshiarpur- 144205, Punjab

E-mail : chadhagroup@rediffmail.com ; Fax: 01883 - 503510, 503509

Subj: Modernization/Expansion of Sugar Mill (3500 TCD to 7000 TCD) Cogeneration Power Plant (10 MW to 23 MW) at Village Randhawa, Tehsil Dasuya, District Hoshiarpur, Punjab by M/s A.B. Sugars Limited - Reg. Environmental Clearance

Sir,

This has reference to your letter no. ABSL/OFF/NP/2007-08/221 dated 11.09.2007 along with a copy of EIA/EMP report and subsequent communications dated 09.10.2007, 12, 15, 26.11.2007, 18.03.2008, 08.09.2008, 10.02.2009, 30.06.2009 and 8, 17.04.2010 seeking environmental clearance under the provisions of EIA Notification, 2006.

2 The Ministry of Environment and Forests has examined the proposal. It is noted that M/s A.B. Sugars Limited propose to enhance the capacity of Sugar Mill (3500 TCD to 7000 TCD) Cogeneration Power Plant (10 MW to 23 MW) at Village Randhawa, Tehsil Dasuya, District Hoshiarpur, Punjab. Company has acquired 160 acres of land and another plot of 10 acres adjoining this land has also been purchased and would be utilized for the expansion of sugar mill and cogeneration power plant. The total area would be 170 acre. Total cost of the project is Rs. 207.91 Crores.

3 It is noted that water requirement of 840m³/day for the sugar mill during the crushing season and 1800 m³/d for the Co-gen power plant and 3485 m³/d for the Co-gen power plant during the off season will be met from the ground water source and also from the recycled water. No process effluent would be generated from the sugar mill. About 3300 m³/d of effluent would be generated. The effluent would be given primary and secondary treatment. The treated effluent after conforming to the prescribed standards will be used for land irrigation utilizing the Karnal Technology for Agro forestry.

4 To control the particulate emissions from the boilers, ESP will be installed and emissions will be dispersed through stack of height as per State Pollution Control Board/CPCB standards.



About 27,474 MTPA ash will be generated. It is estimated that during the 5 years about 13.74 acres of area will be required for disposal of ash for which the company has available area of 17 acres.

5. The project activity is listed at 5 (J) in the schedule of EIA Notification, 2006 and is of 'B' category. However, considered at the central level as capacity of the co-generation power plant is more than 20 MW and is of 'A' category. Therefore, proposal has been considered by the Expert Appraisal Committee -2 (Industry) at the Centre. Public hearing of the project was held on 06.11.2010.

6. The proposal was considered by the Expert Appraisal Committee-2 (Industry) in its 10th meeting held on 29th -30th April, 2010. The Committee recommended the project for environmental clearance subject to compliance of specific conditions.

7. Based on the information submitted by you and presentation made by you and your consultant M/s EST Consultants (Private) Limited, Delhi, 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 bagasse, rice husk and coal fired boilers shall be controlled by installation of electrostatic precipitator and emissions shall be dispersed through stack height as per the CPCB guidelines. The particulate emissions shall conform to the prescribed standards. Gaseous emissions from the DG sets shall be dispersed through stack of height as per CPCB/State Pollution Control Board standards.
- 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 PM₁₀, SO₂, NO_x (ambient levels), emissions from the stacks and pH, TSS, BOD, Chloride, suspended solids and sulphates 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 effluent generation shall not exceed 3300m³/day. The effluent after primary, secondary and tertiary treatment and conforming to the prescribed standard shall be used for land irrigation.
- v. The treated effluent shall be stored in impervious lagoons as per the CPCB standards. The storage shall not exceed 5 days capacity.

- vi. Adequate numbers of ground water quality monitoring stations by providing piezometers around project area, lagoon and the irrigated 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. Permission shall be obtained to draw ground from the Central Ground Water Authority /State Ground Water Board as may be applicable to this case. The company shall undertake measures for conservation of water by recycling and rework the water requirement for grain based process.
- viii. The Company shall undertake measures for water conservation by recycling and reuse of treated water to minimize the fresh water consumption.
- ix. The company shall adopt rainwater harvesting measures to recharge the ground water.
- x. The company shall furnished detailed ash management plan for disposal of ash from the boilers to the Ministry/ RO of MoEF at Chandigarh within three months.
- xi. 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.
- xii. 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.
- xiii. CREP guidelines for the sugar industries shall be followed for implementation.
- xiv. 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.
- xv. 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 PM10, SO2 and NOx 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 shall conform to the standards prescribed under EPA Rules, 1989.
- 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 Bhopal /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 Office 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.

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

Mastagi
(Dr. P. B. Rastogi)
Scientist 'F'

Copy to:

1. The Secretary, Department of Environment, Government of Punjab, Secretariat, Chandigarh.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
3. Chairman, Punjab Pollution Control Board, Vatavaran Bhavan, Nabha Road, Patiala-147001.
4. Conservator of Forests, Regional Office (NZ), Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh 160 047
5. Monitoring Cell, Ministry of Environment & Forests, New Delhi.
6. Guard file.
7. Record file

Mastagi
(Dr. P. B. Rastogi)
Scientist 'F'