



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

By Speed Post

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi - 110 003  
E-mail: [hsmalviya@gmail.com](mailto:hsmalviya@gmail.com)  
Telephone: 011: 24367076

F. No. J-11011/379/2007-IA(II)

May 7, 2008

To,

M/s Hasanpur Sugar Mills  
P.O. Hasanpur Road,  
Samastipur - 848205  
Bihar

[new\\_india\\_sugars@yahoo.co.in](mailto:new_india_sugars@yahoo.co.in)

**Sub: Expansion of Sugar Mill (1750 TCD to 5000 TCD) with 12.5 MW Co-generation Power Plant at Hasan Pur, Samastipur, Bihar by M/s Hasanpur Sugar Mills - Environmental Clearance reg.**

Sir,

This has reference to your letter no. MOEF/G/07 dated 15<sup>th</sup> November, 2007 along with EIA report and public hearing proceeding seeking environmental clearance for the above project under the Environment Impact Assessment Notification, 2006.

2.0 The Ministry of Environment and Forests has examined the proposal and noted that M/s Hasanpur Sugar Mills has proposed for expansion of Sugar Mill (1750 TCD to 5000 TCD) with Co-generation Plant (12.5 MW) at Hasanpur, Samastipur, Bihar. Total project area is 70 acres and no reserve forest, hills/valley & ecologically sensitive areas are located within 10 Km radius. Total cost of the project is Rs. 191.55 Crores. Rs. 52.00 Lakhs and Rs. 14.00 Lakhs are earmarked towards capital and recurring cost for environment protection measures.

3.0 Gaseous emissions will be from boilers and DG sets. Wet scrubber and ESP will be provided to the boilers to control air emissions. Total water requirement will be 8908.16 m<sup>3</sup>/day of which 3650 m<sup>3</sup>/day will be met from the sugarcane and 4880 m<sup>3</sup>/day from the recycled water. Thus fresh water requirement of 370 m<sup>3</sup>/day will be met from the ground water source. Existing ETP will be modified to treat the 1500 m<sup>3</sup>/day wastewater. ETP will be provided with aerators to reduce anaerobic odours.

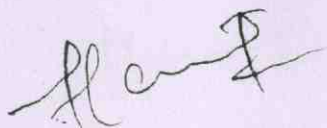
4.0 The Public Hearing / Public Consultation was conducted by the Bihar State Pollution Control Board on 22<sup>nd</sup> October, 2007.

5.0 All the sugar plants with  $\geq 5,000$  TCD capacity are listed at S.N. 5(j) under category 'B' and should have been appraised by the SEAC/SEIAA but due to absence of the same in Bihar proposal was appraised at the Central level in 78<sup>th</sup> Meeting of the EAC(I) held during 20<sup>th</sup> -22<sup>nd</sup> February, 2008.

6.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to compliance of the following specific and general conditions:

**A. SPECIFIC CONDITIONS:**

- i) The company shall take measures for protection of runoff from the premises to the nearby water bodies. Details of the plan shall be submitted to the Ministry's Regional Office at Bhubaneswar.
- ii) The total effluent generation after expansion shall not exceed 1500 m<sup>3</sup>/d. Treated effluent shall be utilized for green belt development with due compliance of the Bihar PCB standards for irrigation.
- iii) The company shall install wet scrubber and ESP with the bagasse fired boilers to achieve emissions less than 100mg/Nm<sup>3</sup>. The boiler stacks shall provided with the monitoring arrangements.
- iv) The company shall develop the green belt in 21 acres to mitigate the effects of fugitive emissions, odour nuisance and noise and general improvement of the environment all around the plant. The development of green belt shall be as per the Central Pollution Control Board guidelines. Land use of green belt area shall not be changed.
- v) The company shall obtain permission for drawl of water from the competent authority and copy of permission shall be submitted to the Ministry's Regional Office at Bhubaneswar.
- vi) Adequate numbers of ground water quality monitoring stations shall be set up around the green belt area. These monitoring stations will be provided with piezometers. The company shall monitor six monthly, the soil and ground water quality in the plant and green belt area to ensure that there shall not be ground water pollution and reports submitted to Ministry's Regional Office/SPCB/CPCB.
- vii) The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water and promote the rain water harvesting technology villages around the plant.



- viii) The company shall develop covered storage areas for lime, Sulphur, and Phosphoric acid to avoid mixing of the same with the rain water.
- ix) The project authorities shall comply with CREP guidelines issued by Central Pollution Control Board in letter and words.
- x) The company shall make efforts to control odour nuisance from the plant premises.

**B. GENERAL CONDITIONS :**

- (i) The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.
- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (iii) At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (iv) The gaseous emissions (SO<sub>2</sub>, NO<sub>x</sub>) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time.
- (v) The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.
- (vi) Dedicated ESP/scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various sources.
- (vii) The company shall undertake following Waste Minimization measures.
  - Metering and control of quantities of raw materials to minimize waste.
  - Use of automated material handling to minimize spillage.
  - Use of "Closed Feed" system into batch reactors.
  - Use of high pressure hoses for equipment cleaning to reduce wastewater generation.



locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

(xvii) 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 the project.

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 in a time bound manner will implement these conditions.


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 and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
(H. S. Malviya)  
Joint Director

Copy to :-

- i) Secretary, Department of Environment and Forests, Government of Bihar, Patna, Bihar.
- ii) The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-1100032.
- iii) The Chairman, Bihar State Pollution Control Board, Patna Bihar.
- iv) The Chairman, State Ground Water Board Patna Bihar.
- v) Chief Conservator of Forests, Central Region, Ministry of Environment and Forests, Eastern Regional Office, A/3, Chandrasekharpur, Bhubaneswar - 751023.
- vi) Adviser IA(II), Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
- vii) Monitoring Cell, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
- ix) Record File.

  
(H.S. Malviya)  
Joint Director