

भारत सरकार
पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

BY SPEED POST

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No. J-11011/85/2007 - IA II (I)

Date: 16th August, 2007

To,

M/s Indian Cane Power Limited
627, Kaleshwara Rice Mill Compound
RMC Road, Anekonda
Davangere 577 001
Karnataka

Subject: Environmental Clearance for Establishment of New 5000 TCD Sugar Factory and 28 MW Co-Generation Power Plant at Uttur, Mudhol, Bagalkot, Karnataka by M/s Indian Cane Power Limited.

Sir,

Please refer to your letter No. Nil dated 04.01.2007 seeking environmental Clearance to the above mentioned project.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that the proposal is to set up a new sugar unit of 5000 TCD at Uttur village (Ranjanagi) Mudhol Taluk of Bagalkot District in the State of Karnataka along with a Cogeneration Power Plant of 28 MW. The sugar plant will work for 210 days and the power plant will run for 330 days. The fuel for the power plant will be baggase, 3,15,000 MT of Bagasse shall be produced during 210 days and the requirement for the power plant will be 2,87,280 Tonnes during the season and 1,64,160 Tonnes during the off season. Press mud generation will be 42,000 MT which will be sold. Molasses generation will be 42,000 MT in 210 days which will be given to the sister concern. Land available for the project is 250 Acres. Total water requirement will be 6000 m3/d out of which 3500 m3/d will be taken from sugar cane thereby fresh water requirement will be only 2,500 m3/d which will be sourced from Ghataparabha / Krishna River. Public Hearing for the Project was held on 08.08.2006. The Cost of the project is Rs. 224.00 Crores out of which 3.50 Crores will be for environmental pollution control measures.

3. The project activity is listed at 5 (j) as 'B' Category in the EIA Notification, 2006 however was considered at the Central Level in the absence of SEIAA and SEAC for the State of Karnataka. The proposal was considered as per the Para 2.2.1. (i) (a) of the Interim Operational Guidelines dated 13th October 2006 issued by the Ministry. The Public Hearing for the project was held on 08.08.2006.

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4. 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 14th September 2006 subject to the compliance of the following conditions:

A. SPECIFIC CONDITIONS

- (i) Bag house shall be provided with the Boiler for Air Pollution Control. Stack with the boiler shall be of 85 m.
- (ii) For the control of air emissions from Cogeneration Power Plant, two separate stacks of 65 m each and 8 m and 6 m above the ground for DG Sets shall be provided with Bag Houses for control of air emissions. SPM emission from the stack will be from the stacks less than 100 mg/nm³. The exhaust steam from the boiler will be used for the process.
- (iii) For minimizing the escape of SO₂ from the Sulphitation process, cane juice will be used as scrubber media which will be reused in the process.
- (iv) Water requirement shall not exceed 2,500 m³/d and shall be sourced from Ghataparabha / Krishna River. Permission shall be obtained from Competent Authority for withdrawal of the water.
- (v) The process and domestic effluents shall not exceed 460 m³/d. After primary treatment through Diffusion Based Activated Sludge Process, the waste water will be subjected to Secondary Clarifier. The BOD of the treated effluent will be < 30 mg/l. About 75% of the treated effluent will be recycled in the process and 25% will be utilized in irrigation. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly followed.
- (vi) Molasses shall be stored in MS Steel tanks or impervious pucca lagoons. The lagoons shall have proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. It shall be ensured that all care shall be taken by the Buyer while transportation of Molasses.
- (vii) Boiler Ash shall used for Brick making. Ash shall be utilized as per the Fly Ash Notification dated September, 1999 of the Ministry .
- (viii) The Solid waste generated from the process will be mainly bagasse, filter cake (press mud) and boiler ash. Bagasse shall be reused as fuel in the boiler and

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excess bagasse, if any, shall be sent to other sugar plants for power generation. 42,000 MT of Molasses and 42,000 MT of Press mud will be sold to the Distillery units. Boiler Ash shall be used for brick manufacturers. Ash shall be utilized as per the Fly Ash Notification dated September, 1999 of the Ministry. Sludge from the scrubber will be dried and will be disposed of in the low lying areas. ETP sludge shall be used as fertilizer by the farmers. Used batteries and Waste Lubricating Oil shall be sold to authorized recyclers.

- (ix) The project authorities shall provide funds of Rs. 3.50 Crores as capital cost for the environment protection measures and to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government shall be kept. Also, the implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.

B. GENERAL CONDITIONS:

- i. The project authorities shall strictly adhere to the stipulations made by the concerned State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. Six monthly monitoring of ambient air for criteria pollutant shall be carried out in and around the Plant.
- iv. The Ambient Noise Level will be within 51- 42 dB (A) at day time.
- v. 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.
- vi. Ambient Air Quality Monitoring Stations shall be set up in consultation with the State Pollution Control Board in the down wind direction as well as where maximum ground level concentration of SPM, SO₂, NO_x and RPM are anticipated. RPM will also be monitored regularly.



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- vii. 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).
- viii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP report.
- ix. 33% of the total land shall be developed as green belt all around the plant. The green belt shall be as per the CPCB guidelines in consultation with the local DFO.
- x. CREP Guidelines for the Sugar Industries shall be followed by the unit. The capacity of Lagoon will be as per the CPCB Guidelines.
- xi. Adequate numbers of ground water quality monitoring stations shall be set up in and around the plant. These monitoring stations shall be provided with piezometers. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry.
- xii. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- xiii. Company shall adopt rainwater-harvesting measures to recharge the ground water.
- xiv. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee shall be maintained separately.
- xv. The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry /State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report along with the monitored data shall be submitted to the monitoring agencies and shall be displayed on the Website of the Company.



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xvi. 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.

xvii. The Project Authorities shall inform the Ministry and its concerned Regional Office about date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.

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

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

7. The above conditions will be enforced along with 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 hereunder.



(Sanchita Jindal)
Additional Director

Copy to:

1. The Principal Secretary, Department of Forests, Ecology & Environment, Government of Karnataka, Room No. 404, 4th Floor, II Stage, Multi Storeyed Building, Bangalore- 560 001, Karnataka.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, Karnataka State Pollution Control Board, No. 25, 6th -7th Floor, Public Utility Building, M.G. Road, Bangalore- 560 001.
4. The Chief Conservator of Forests, Regional Office (Southern Zone), Ministry of Environment & Forests, Kendriya Sadan , 4th Floor, C& F Wing, 17 Main Road, II Block, Kormangla, Bangalore- 560 034, Karnataka

5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
6. Guard File.
7. Monitoring File.
8. Record File.

(Sanchita Jindal)
Additional Director