



State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

No. SEIAA 16 IND 2014

Date : 09-12-2014

To,

M/s Indian Cane Power Limited
627, Shree Kallishwara Rice Mill Compound
RMC Road, Anekkonda
Davanagere - 577 001
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Subj,

Subj: Expansion of Sugar Manufacturing Plant from 5,000 TCD to 12,000 TCD and Co-Generation Power Plant from 28 MW/hr to 78 MW/hr at Sy. Nos. 31/8, 32/6, 97/1, 97/2, 98/3, 99, 100, 100/1, 100/5, 102/1, 103/1, 105, 106/4, 107, 116, 118/2, 119/1, 120/2, 119/1, 136, 139, 140, 141 of Uttar village, Mudhol Taluk, Bagalkot District by M/s Indian Cane Power Limited, Davanagere - Issue of Environment Clearance - Reg.

M/s. Indian Cane Power Limited, Davanagere have proposed for Expansion of Sugar Manufacturing Plant from 5,000 TCD to 12,000 TCD and Co-Generation Power Plant from 28 MW/hr to 78 MW/hr at Sy. Nos. 31/8, 32/6, 97/1, 97/2, 98/3, 99, 100, 100/1, 100/5, 102/1, 103/1, 105, 106/4, 107, 116, 118/2, 119/1, 120/2, 119/1, 136, 139, 140, 141 of Uttar village, Mudhol Taluk, Bagalkot District. An application seeking Environmental Clearance under EIA Notification, 2006 was submitted to Ministry of Environment & Forest (MoEF), Government of India on 19th December, 2012. The said application was considered by EAC on 4th April, 2013 & have prescribed ToRs for the preparation of EIA/EMP. The Ministry of Environment & Forest (MoEF), Government of India, have issued the ToRs accordingly vide letter dated 4th June, 2013.

2. The EIA has been prepared and submitted to Ministry of Environment & Forest (MoEF) & Climate Change, Government of India by EIA Consultant

For, Indian Cane Power Ltd

Asst. General Manager (P & A)

State Level Environment Impact Assessment Authority-Karnataka
(Continued by MoEF, Government of India vide Section 3(i) of EIA Act, 1986)

SEAAA 16/ND/2014

Project for Sugar Manufacturing Plant & Co-generation Power Plant by
M/s Indian Cane Power Limited

namely M/s. Bhagavathi Ana Labs Private Limited, (A Bureau Veritas Group Company), Road #3, Banjara Hills, Hyderabad - 500 034 who are accredited from NABET vide No.NABET/EIA/RA008/015, dated 28th April, 2014 and Public Hearing has been conducted by the Karnataka State Pollution Control Board, Bengaluru at Uttar village, Mudhol Taluk, Bagalkot District on 23rd June, 2014.

3. The Ministry of Environment & Forest (MoEF) & Climate Change, Government of India vide letter F No. J-11011/148/2010-IA II (I) / 1-11011/49/2011-IA II (I) dated 11th November, 2014 have transferred the said Project Proposal along with all the documents for further consideration by SEAAA/SEAC in lieu of amendments to EIA Notification 2006, made vide Notification No. S.O.1599(E) dated 25th June, 2014.

4. It is, inter-alia, noted that Environmental Clearance has been issued by Ministry of Environment & Forests, Government of India, India, to this project vide letter No. J-11011/85/2007-IA II (I) dated 16th August, 2007 for establishment of New 5,000 TCD Sugar Factory and 28 MW Co-Generation Power Plant.

5. The proposal is for expansion of Sugar Manufacturing Plant from 3,000 TCD to 12,000 TCD and Co-generation Power Plant from 28 MW/hr to 78 MW/hr at Sy. Nos. 31/8, 32/6, 97/1, 97/2, 98/3, 99, 100, 100/1, 100/5, 102/1, 105/1, 105, 106/4, 107, 116, 118/2, 119/1, 120/2, 119/1, 136, 139, 140, 141 of Uttar village, Mudhol Taluk, Bagalkot District. The Sugar Plant will work for 180 days in a year. The total land area is 210 acres out of which 98.04 Acres will be used for the proposed factory. The total water requirement is 7,000 KLD will be sourced from Ghataprabha River. 3600 TPD Bagasse will be produced and used as a fuel for Co-Generation Power Plant. Press mud generation will be 480 TPD and Molasses generation will be 480 TPD which will be given to the nearby distillery. It is proposed to install additional 195 TPH Capacity Boiler. Electro Static Precipitator (ESP) will be provided to control particulate matter from boiler stack and dust control in Sugar grader unit. The wastewater generated from the various sections of the plant is 1500 KLD which, will be treated in ETP and used for dust suppression, irrigation and green belt development. The total cost of the project is Rs. 338.03 Crores.

6. Based on the information submitted and presentation made by Environmental consultant, M/s. Bhagavathi Ana Labs Private Limited, (A Bureau Veritas Group Company), Road #3, Banjara Hills, Hyderabad - 500 034. The State Level Expert Appraisal Committee (SEAC) examined the proposal in the meeting held on 11th, 12th, 14th, 15th, 17th & 18th November, 2014 and has recommended for issue of Environmental Clearance.

For, Indian Cane Power Ltd


Asst. General Manager (P & A)

7. The proposal has been considered by SELAA in its meeting held on 5th & 6th December, 2014 and decided to issue Environmental Clearance to the said project under the provisions of EIA Notification, 2006 subject to implementation of the following terms and conditions:-

SPECIFIC CONDITIONS:

1. Suitable Air Pollution Monitoring System and stacks of appropriate height as per the CPCB guidelines shall be provided to control emissions from various sources and shall ensure emissions levels below the KSPCB prescribed standards. Separate electric meters should be provided to the Air pollution Monitoring System and a separate log book maintained for the daily meter readings and monthly report submitted to concerned Regional Officer, KSPCB & Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum. The production process should be interlocked with the Air Pollution control systems.
2. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
3. ETP treated water shall not be let out of the industry's premises and should be used for farming/gardening within.
4. Ash generated should be mixed with press mud and composted and used or given to farmers as manure. 100% utilization of ash should be ensured from the date of operation of the plant. The project authorities shall adhere to the provision stipulated in the fly ash notification of September, 1999 and as amended in August, 2003 in regard to fly ash utilization.
5. Only bagasse/biomass should be used as fuel and shall not use more than 15 % of coal as auxiliary fuel as specified in MNRE. Not to use wood logs, coal as fuel & no other fuels should be used.
6. No ground water shall be drawn at any stage without prior approval from the competent authority.
7. The Pn shall use Treated effluents for sugar cane seed farm/grown belt development. There should be no wastewater discharge from the plant.
8. For controlling fugitive dust inside and outside the plant premises and vulnerable areas of the plant, dust extraction and suppression system and water sprinklers shall be ensured.
9. Noise level shall be limited to 75 dBA. For people working in high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
10. Minimum 33 % green area should be developed in the project area. Planting should done with tree density of about 3111 trees per ha. i.e. at an spacing of 3mX3m and cover with suitable local perennial tree species.
11. The gaseous emissions (SO₂, NO_x) and particulate matter from Boilers, D.G. sets and other processes shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control

For, Indian Cane Power Ltd

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- system adopted by the unit, the unit shall be immediately put out of operation under intimation to the Regional Officer, KSPCB & Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum and shall not be restarted until the desired efficiency has been achieved.
12. The Project Authorities shall develop separate drain for storm and wastewater so that during rains, wastewater is not mixed with the storm water. The wastewater drains shall be provided with V-notch for monitoring the quantity of wastewater and the wastewater quantity shall be limited to the extent of permission of Karnataka State Pollution Control Board.
 13. 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.
 14. The company shall take adequate steps to avoid odour nuisance from disposal of press mud and ETP sludge. The transportation of these shall be in covered means.
 15. The company shall develop covered storage areas for lime, sulphur, and Phosphoric acid to avoid mixing of the same with the rainwater for the existing sugarcane plant.
 16. 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 regular medical test records of each employee shall be maintained separately.
 17. The Project Authority shall take up construction works only after obtaining water allocation from the Water Resources Department.
 18. Molasses shall be stored in 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.
 19. The Molasses shall be transported strictly in accordance with the IRC guidelines. It shall be ensured that all care is taken while transporting the Molasses.
 20. At least 5 % of the total cost of the project should be earmarked towards future Corporate Social Responsibility and item wise details along with time bound action plan should be prepared and submitted to the Authority. Implementation of such programmes should be ensured accordingly in the time bound manner.

GENERAL CONDITIONS:

1. All the conditions stipulated in CFE/CFO issued by Karnataka State Pollution Control Board shall be strictly implemented.
2. Industry should operate with the required safety standards prescribed by the Director of Factories and Boilers Department.

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3. The locations of ambient air quality monitoring stations shall be decided in consultation with the Karnataka State Pollution Control Board (KSPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
6. Usage of Personal Protection Equipments by all employees/ workers shall be ensured.
7. Regular monitoring of the air and water quality should be carried out in and around the plant and records be maintained. Half yearly reports shall be submitted to the SEIAA Karnataka, the APCCF, Regional Office of MoEF, Bangalore, the Department of Environment and Ecology, Government of Karnataka and the Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.
8. 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, the Department of Environment and Ecology, Government of Karnataka, Bangalore and the Regional Director (Environment) Department of Ecology and Environment, Government of Karnataka, Belgaum.
9. The Project Authority shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, informing that the project has been accorded Environmental Clearance and copies of clearance letter are available with the Karnataka State Pollution Control Board and Authority website at <http://seiaa.kar.nic.in>.
10. A separate environment and safety management cell with qualified staff shall be set up and shall be maintained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.
11. Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to SEIAA, Karnataka / the APCCF, Regional Office of Ministry of Environment & Forests, Bangalore / CPCB/KSPCB, the Department of Environment and Ecology, Government of Karnataka and the Regional Director

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- (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.
12. Karnataka SEIAA/the APCCF, Regional Office of the Ministry of Environment and Forests located at Bangalore/ the Department of Environment and Ecology, Government of Karnataka and the Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the APCCF, Regional Office of MOEF Bangalore/ SEIAA, Karnataka /Department of Ecology and Environment, Government of Karnataka and the Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum for their use during monitoring.
 13. Separate funds should be allocated for implementation of Environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the, SEIAA Karnataka, the APCCF, Regional Office of MoEF, Bangalore, the Department of Environment and Ecology, Government of Karnataka and the Regional Director, (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.
 14. The Project Authorities should inform the SEIAA, Karnataka/ the Department of Environment and Ecology, Government of Karnataka/ the Regional Director, (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum / the APCCF, Regional Office of the Ministry of Environment and Forests regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.
 15. The Project Authorities shall provide proper rain water harvesting and ground water recharge facilities and report be submitted.
 16. Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for lighting and heating should be provided. Details in this regard should be submitted to the SEIAA.
 17. Full cooperation should be extended to the Scientists/ Officers from the Ministry/ the APCCF, Regional Office of the MoEF at Bangalore/ the CPCB / the KSPCB/ the Department of Environment and Ecology, Government of Karnataka/ Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum who would be monitoring the compliance of conditions.
 18. A master plan for social commitment giving details of proposed works /activities and expenditure year wise to be prepared and submitted to SEIAA and shall be implemented strictly.

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19. The Project Authority should display the conditions prominently at the entrance of the project on a big panel board for the information of the public.
20. The infrastructure of transport roads linking to the nearest main road shall be improved and maintained by the Project Authority.
21. The SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Authority.
22. No further expansion or modifications in the plant shall be carried out without prior approval from the SEIAA Karnataka. In case of any deviation or alteration in the project proposed from those submitted to this SEIAA for clearance, a fresh reference should be made to the SEIAA to assess the adequacy of the conditions imposed and to add additional conditions for environmental protection required, if any.
23. The above stipulations would be enforced among others under the Water (prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1986, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments, the Environment Impact Assessment Notification of January, 2006 and their subsequent manufacture, storage and Import of Hazardous Chemicals Rules, 1989 amendments.
24. The issue of Environment Clearance doesn't confer any right to the Project Authority to operate / run the project without obtaining statutory clearances / sanctions from all other concerned Authorities.
25. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.
26. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
27. This Environmental Clearance is issued without any prejudice to the legal cases if any, which may arise on account of violation.

Yours faithfully,


(RAMACHANDRA)
Member Secretary,
SEIAA - Karnataka

Copy to:

- 1) The Secretary, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, Alligari, New Delhi - 110 003.
- 2) The Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, No.1, Charanti Math Building, Shivalaya Road, Sadashiva Nagar, Belgaum.

For, Indian Cane Power Ltd


Asst. General Manager (P & A)

SEDA 16 IND 2014
Circularized by MoEF, Government of India under section 17(1) of EIA Act, 1986
Project for Sugar Manufacturing Plant & Cogeneration Power Plant by
M/s Indian Cane Power Limited

- 3) The Member Secretary, Karnataka State Pollution Control Board, Bangalore.
- 4) The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kemdiya Sadak, IV Floor, E & F wings, 17th Main Road, Kommutigala II Block, Bangalore - 560 034.
- 5) Guard File.

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