

ಫ್ಯಾಕ್ಸ್ / Fax : 080-25586321
ಈಮೇಲ್ / E-mail : ho@kspcb.gov.in
ವೆಬ್‌ಸೈಟ್ / Website : http://kspcb.gov.in



25581383, 25589112
25588151, 25588270
25588142, 25586520

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

NO: PCB/139/HPI/2014

Dated: 5 JAN 2015

To,
The Director,
M/S Indian Cane Power Ltd,
Uttur Village, Mudhol Taluk,
Bagalkot District

Sir,

Sub: Consent for establishment for expansion of sugar crushing capacity from 5000 TCD to 12000 TCD and Co-generation power plant from 28 MW to 78 WM by M/S Indian Cane Power Ltd, Uttur Village, Mudhol Taluk, Bagalkot District

- Ref:** 1. Application filed by the industry for Consent for expansion under the Water and the Air Acts at Regional Office, Bagalkot on 11.11.2014. **(Reg. No-81138)**
2. Inspection of the industry by the Regional Officer, Bagalkot on 10.11.2014.
3. Environmental Clearance issued by SEIAA vide No SEIAA 16 IND 2014, Dated: 08.12.2014
4. Proceedings of the Consent Committee Meeting held on 19.12.2014.

With reference to the above, it is to be informed that, the Board hereby accords consent for expansion under the Water (Prevention & Control of Pollution) Act 1974, and the Air (Prevention & Control of Pollution) Act 1981, for expansion of existing sugarcane crushing capacity from 5000 TCD to 12000 TCD and Co-generation power plant from 28 MW to 78 WM by M/S Indian Cane Power Ltd, Uttur Village, Mudhol Taluk, Bagalkot District subject to the following conditions.

1. This consent for establishment shall be valid for a period of **Five Years** from the date of issue of this order.
2. The applicant shall not undertake expansion/diversification without the prior consent of the Board.
3. The applicant shall obtain necessary license/clearance from other relevant agencies before taking up construction.
4. The industry shall comply with all the conditions stipulated in the Environmental Clearance issued by SEIAA vide No SEIAA 16 IND 2014, Dated: 08.12.2014
5. The Industry shall comply with all the conditions/guidelines mentioned in the CREP issued by CPCB.


CHIEF ENVIRONMENTAL OFFICER

I. WATER POLLUTION CONTROL:

1. The total quantity of waste water generated shall be as below

Source	Waste water generated in KLD	
	Existing	After Expansion
Domestic Use	50	50
Industrial Purpose		
Process	500	700
Cooling	25 (Season) 200 (Off Season)	75 (Season) 400 (Off Season)
Boiler Feed	50 (Season) 25 (Off Season)	50 (Season) 25 (Off Season)
Total	625 (Season) 275 (Off Season)	875 (Season) 475 (Off Season)

A. Sugar & Co-generation power plant

- a) Waste water generation from the sugar unit shall not exceed 100 litres per tonne of cane crushed.
- b) The trade effluent generated from the sugar, Co-generation and non-process effluent stream like boiler blow down, cooling water DM plant, back wash and service water etc shall be treated in the ETP and used for gardening/dust suppression and ash conditioning/irrigation purpose and shall meet the standards specified in **Annexure-I**. The modified ETP consists of:
- 1) Bar screen chamber 2 nos 2) Grit chamber, 3) Neutralization tank, 4) 2 nos Equalization tank 5) Lime Preparation Tank, 5) Equalization Tank 6) Flash Mixer, 7) Flocculator, 8) Up Flow Anaerobic Sludge Blanket Reactor (UASBR), 9) Primary Settling Tank, 10) Aeration Tank-I having 3 no of 15 HP surface aerators 11) Primary Clarifier 12) Aeration Tank-II having 1 no of 15 HP surface aerators & diffused aerator, 13) Secondary Clarifier, 14) Polishing Pond, 15) Sludge drying beds.

B. Domestic effluent:

The sewage effluent from the factory shall be treated in septic tank followed by soak pits. There shall not be any overflow from the soak pit. The septic tank and soak pit shall conform to IS 2470 Part – I and Part – II.

II. WATER CESS:

The industry shall comply with the provisions of Water (Prevention and Control of Pollution) Cess Act, 1977, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said Water (Prevention and Control of Pollution) Cess Act, 1977, and 2003.


CHIEF ENVIRONMENTAL OFFICER

III. AIR POLLUTION CONTROL:

1. The discharge of emissions from the premises of the existing plant of the applicant shall be discharged through stacks/ chimneys mentioned in **Annexure II**.
2. The stack shall have port hole and plat forms as per the guide line specified to facilitate monitoring of emission.
3. The industry shall take all necessary efforts to control odour nuisance caused due to emissions from the industry.
4. The industry shall upgrade/modify/replace the control equipments if they are found inadequate to meet standards stipulated. Prior permission of the Board shall be obtained for the same.
5. If there is going to be any new air pollution sources in the future, the project authorities shall apply and obtain consent for establishment for the same from the Board.
6. Industry shall take measures to provide canopy around bagasse storage yard to avoid bagasse getting air born.

IV. NOISE POLLUTION CONTROL:

The industry shall ensure that the ambient noise levels within its premises shall not exceed the limits i.e. 75 dB(A) Leq during day time and 70 dB(A) Leq during night time as specified in the Environment (Protection) Rules.

V. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The industry shall collect, treat and dispose off all solid waste generated from the process other than wastes covered under the Hazardous Waste (Management & Handling) Rules, in such manner so as not to cause environmental pollution.
2. The factory shall dispose off all solid waste generated from the process and from the effluent treatment plant in a scientific manner without causing underground and surface water pollution directly or indirectly. The solid waste shall be disposed off without causing eye sores to the public.
3. The industry shall store the press mud, Bagasse & ash in such a manner before disposal so as not to cause any pollution.
4. The industry shall take action to store the molasses in the steel tanks covered with proper roofing.
5. Molasses shall not be contained in katcha pits.
6. The industry shall obtain permission from the Board to dispose off the spoiled molasses and it shall be disposed off in the manner as laid down by the Board.

VI. THE HAZARDOUS WASTES (MANAGEMENT & HANDLING) RULES 1989 & 2003:

1. The industry shall apply and obtain authorization under Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008, and comply with the conditions of the authorization to handle, store and to dispose hazardous waste generated. The applicant shall apply for authorization under the Rules in Form-I and comply with conditions.


CHIEF ENVIRONMENTAL OFFICER

2. The quantity of hazardous waste shall not exceed the quantities mentioned in the authorization to be issued under Hazardous Waste (Management & Handling) Rules.

VII. SELF MONITORING AND REPORTING BY THE INDUSTRY

a) WATER POLLUTION CONTROL

1. a) The applicant shall at his own cost get the final treated trade effluent samples collected from the out let polishing pond and analyze the same every month for the parameters indicated in Annexure-I and shall submit in duplicate the report to the Regional Officer. b) The industry shall establish a self monitoring & analysis facility within the factory.
2. The applicant shall provide effluent flow meters to record the effluent quantity discharged.
3. Monthly extract of daily product manufactured as well as Effluent discharged-sewage/ trade shall be submitted to the Regional Officer regularly every month.
4. Adequate number of observation bore/ test wells shall be provided in and around the agricultural land where the treated effluent is used to monitor the ground water quality.
5. The applicant shall establish a self monitoring system for monitoring the effluents by procuring necessary monitoring equipment & by establishing a laboratory for;
 - 1) Trade effluent quality monitoring.
 - 2) Ground water and surface water monitoring.
 - 3) Flow measures devise on line for treated trade effluent.
6. **The applicant shall install on line continuous effluent quality monitoring system at the out let of ETP for the measurement of parameters like flow, pH, COD, BOD, TSS and monitoring data shall be connected & up loaded to KSPCB and CPCB's servers on or before 31.03.2015.**

b) AIR POLLUTION CONTROL

1. The applicant shall at his own cost get the samples of emissions collected and get them analyzed once in 15 days for the parameters indicated and shall submit in duplicate, the analysis results to the Regional Office of Board.
2. The applicant shall monitor the Ambient Air Quality and monitoring shall be done as per the EP Rules. The AAQM stations shall be fixed in consultation with the Regional Office of the Board.
3. The applicant shall carryout self monitoring of effluents and emissions at the frequency indicated below and furnish the reports of analysis to the area Regional Officer.


CHIEF ENVIRONMENTAL OFFICER

Sl. No.	Emissions to be monitored	Frequency of monitoring
1	Emission from the Boiler stack	Once in 15 days

4. The analysis of effluents and emissions may be carried out in house laboratory/ laboratories approved under EP Act.
5. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.
6. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
7. Applicant shall establish, implement and maintain an Environmental Management System in conformity with ISO 14001:2004 standards.
8. **The applicant shall install on line continuous stack emission monitoring system for measurement of emissions parameter PM, monitoring data shall be connected & up loaded to KSPCB and CPCB's servers on or before 31.03.2015.**

VIII. GENERAL:

1. The industry shall arrange for alternate power supply to run and operate the essential units of ETP/control equipments in event of break down of regular supply from Electricity board. The industry shall provide separate energy meters to the Water and Air pollution control systems wherever appropriate.\
2. The industry shall not commission the proposed plant for trial or regular production unless necessary air pollution control equipments are installed to the satisfaction of the Board. The industry shall ensure that the treatment plant and control equipments are completed and commissioned simultaneously along with construction of the factory and erection of machineries.
3. There shall ensure that there is no odour nuisance.
4. The industry shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
5. The industry shall not change or alter (a) raw materials or manufacturing process, (b)change the products or product mix (c) the quality, quantity or rate of discharge/ emissions and (d) install/ replace/ alter the water or air pollution control equipments, without the prior approval of the Board.
6. The industry shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc. in excess of the standards stipulated. And the industry shall immediately take appropriate corrective and preventive actions under intimation.
7. The industry is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration in advance an amount equal to the cost estimated by Competent Agency or Committee.


 CHIEF ENVIRONMENTAL OFFICER

8. The applicant shall comply with all the Rules and guidelines issued from time to time.
9. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
10. This CFE does not give any right to the Party/ Project Authority/ Industry to forego any legal requirement that is necessary for setting/ operation of the plant.
11. The industry shall furnish point-wise compliance to the conditions given under this consent for establishment within 30 days.

Please note that this is only consent for establishment issued to you to proceed with the formalities for establishment of the industry and does not give any right to proceed with trial/regular production. For this purpose, separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 45 days in advance of commissioning for trial production of the plant.

The receipt of this letter may please be acknowledged.

FOR AND ON BEHALF OF
KARNATAKA STATE POLLUTION CONTROL BOARD


CHIEF ENVIRONMENTAL OFFICER (EIA-I)

Encl.: Annexure-I

Note:

1. It is advised to provide all necessary healthcare facilities to employees & local people and shall carry out routine health survey among employees & local people and tests like Spirometry, Pulseoxymetry, Lung function test, etc.
2. It is advised to regularly check the health of workers exposed to very high noise levels and suitable measures to avoid any ill effects shall be taken.
3. It is advised to take all safety measures to avoid any injury to its employees and local people as per the approved Onsite and Offsite Emergency Plan.

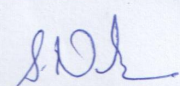
ANNEXURE - I
ON LAND FOR IRRIGATION

SL. NO.	Characteristics.	Tolerance limits.
1	Colour and Odour.	See Note.
2	Suspended Solids mg/l. Max.	100
3	pH value.	6.5 to 8.5
4	Oil and Grease mg/l. Max.	10
5	Bio-chemical Oxygen Demand, mg/l. (5 days at 20°C) Max.	100

Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.

ANNEXURE-II

Chimney	Chimney Attached to	Minimum Chimney Height to be Provided above ground level (AGL)/ roof level (ARL) in m	Rate of emission Nm ³ /Hr	Constituents to be controlled in the emission.	Tolerance limits Mg/Nm ³	Air Pollution Control equipment to be installed, in addition to Chimney height as per Col (3)
1	2	3	4	5	6	7
1	195 TPH Boiler (New Source)	108 meter AGL	-	Particulate matter	150	ESP


CHIEF ENVIRONMENTAL OFFICER