



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

/By RPAD/
(This document contains 8 pages including annexure)

Combined Consent order No: PCB/139/HPI/2010/ 776 Dated: 13 AUG 2013

Consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act, 1974 and emissions under the Air (Prevention and Control of Pollution) Act, 1981.

- Ref: 1. Consent applications under the Water & the Air Acts received at Regional Office, Bagalkot on 01.01.2013, for the period 2013-14. (Reg No. 48438)
2. Inspection of the industry by the Regional Officer, Bagalkot on 16.04.2013
3. Proceedings of the Consent Committee meeting held on 06.06.2013

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Consent is hereby granted under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (herein after referred as the Water Act and the Air Act respectively) and the Rules and Orders made there under.

Consent is granted to 'The Managing Director, M/s Indian Cane Power Limited, Uttur Village, Mudhol Taluk, Bagalkot District' authorizing him to operate the industrial plant at the above said premises and to make discharge of effluents and emissions from the premises as mentioned above, subject to the terms and conditions as detailed in the schedule annexed to this order.

Discharge of effluents under the Water Act:

Sl. No	Description	Permitted Quantity of discharge	Stipulated Standards and place of discharge
1	Trade effluent from Sugar and Co-generation plant	575 KLD	Shall be treated in the ETP to the standards stipulated in Annexure-I and used on land for irrigation.
2	Domestic effluent	50 KLD	Septic tank & Soak pit

Discharge of air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified
As per Annexure-II		


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The consent is valid for the manufacture of:

SL. No.	Name of the Product	Quantity Consented Max.
1.	White Crystal Sugar with Sugar Cane Crushing capacity of	5000 TCD
2.	Co-generation	28 MW

**THE CONSENT IS GRANTED FOR THE PERIOD
FROM 01.07.2013 TO 30.06.2014.**

For and on behalf of the
Karnataka State Pollution Control Board


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✓ To,
The Managing Director,
M/s. Indian Cane Power Limited,
Uttur Village, Mudhol Taluk,
Bagalkote District.

665
20/05/13
M/s. Indian Cane Power Ltd., Bagalkot- CFD-13-14

SCHEDULE

TERMS AND CONDITIONS

(to accompany consent No: PCB/139/HP1/2010/

Dated:)

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

I. TREATMENT AND DISPOSAL OF TRADE AND SEWAGE EFFLUENT:

1. The applicant shall ensure that the waste water generation is always less than or equal to 100 lts/ton of cane crushed.
2. The applicant shall provide effluent flow meters to record the effluent quantity discharged.
3. (a) The applicant shall ensure that the trade effluent is treated in the treatment plant constructed as per the flow sheet submitted by the industry to the standards stipulated in **Annexure-I** and the treated effluent shall be utilized for irrigation entirely on the land.

(b) The applicant shall submit details of agricultural land such as Sy. Nos, extent of land, name of the owner etc., identified for using the treated trade effluent on land for irrigation
4. The applicant shall ensure that the operation of effluent treatment plant shall be started at least one month before the starting of cane crushing to achieve desired MLSS so as to meet the prescribed standards from day one of the operation of mill as per CREP.
5. The discharge from the effluent treatment plant shall pass through terminal manhole/ manholes where from the Board shall be free to collect samples at any time in accordance with the provisions of the Act or Rules made there under.
6. The application of treated effluent for agriculture shall be controlled so as to avoid either flooding of land or ground water contamination
7. The applicant shall not discharge of by pass either treated or untreated effluent outside the premises or into natural valley.
8. 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.

II. MOLASSES STORAGE:

1. (a) The applicant shall store the molasses only in steel tanks covered with proper roofing.

(b) Adequate number of steel tank shall be provided for molasses containment. Containment of molasses in earthen pits is not allowed.
2. The applicant shall obtain permission from the Board to dispose-off the spoiled molasses and it shall be disposed-off in a manner as laid down by the Board.


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III. TREATMENT AND DISPOSAL OF SEWAGE EFFLUENTS

The applicant shall treat the domestic effluent in septic tank and soak pits designed and constructed as per IS 2470 Part-I and Part-II and no overflow from soak pit is allowed.

B. WATER CESS

The applicant shall provide water meter at all the intake points as under Section (5) of Water Cess Act and shall file the Water Cess returns regularly and also pay the Cess Assessed with the time stipulated

C. EMISSIONS

1. The discharge of emissions from the premises of the applicant shall pass through the stacks/ chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The stacks/ chimneys heights shall be as per **Annexure-II**.
2. The hourly rate of emissions discharged and the tolerance limits of the constituents forming the emissions in each of the chimneys/ stacks shall not exceed the limits laid down in **Annexure-II**.
3. The applicant shall provide port holes for sampling the emissions, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder.
4. The applicant may use coal upto a maximum of 15% only along with bagasse as a fuel for 125 TPH Boiler & the ash generated from the use of coal has to be separately handled and disposed as per the provisions of fly ash Notification. A separate logbook has to be maintained & record the generation and mode of disposal of fly ash. The applicant has to submit a plan of action for the disposal of fly ash within 15 days to the Board. If the applicant proposes to use more than 15% coal as fuel for 125 TPH Boiler, prior Environmental Clearance from competent authorities has to be obtained.

D. SELF MONITORING AND REPORTING:

1. The applicant shall at his own cost get the treated trade effluent samples collected from the place specified in condition No.A.I.5. and analyze the same in Board/MoEF empanelled lab once in a month (apart from routine monitoring carried out for process control of ETP) for the parameters indicated in **Annexure-I** and report submitted once in a month along with the quantity of water used, waste water generated, treated and discharged, product manufactured, etc. in a compiled statement to the concerned Regional Office.
2. The applicant shall at his own cost get the samples of emissions collected and get them analyzed once a month for the parameters indicated from the sampling port holes provided
3. The applicant shall carryout the ambient air quality monitoring and submits the report to the Regional Office of the Board. The AAQM stations shall be carried out in all the established stations as per the requirement under the National Ambient Air Quality Monitoring Standards stipulated in Environmental (Protection) Rules, 1986. Monitoring shall include the parameters, PM_{2.5}, PM₁₀, sulphur-di-oxide, Nitrogen Oxide. The industry shall furnish statistical analysis for annual average of pollutants at all the locations as per Ambient Air Quality standards Notification once in a year.


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4. The applicant shall regularly monitor the ground water of the wells situated in agricultural where treated trade effluent is used for irrigation for water quality parameters and submit report.
5. The applicant shall
 - a) Continue self monitoring system.
 - b) Submit the monitoring results as under:
 - i) Data monitored as per prescribed schedule shall be submitted to the Regional Office every month.
 - ii) A compiled data of all monitoring conducted as per schedule during the consent period shall be submitted in hard copy along with Consent application

E. ENVIRONMENTAL STATEMENT

The applicant shall submit the Environmental Statement every year for the period ending 31st March in Form V of Rule as per Rule 14 of the Environment (Protection) Rule, 1986 on or before 30th September.

F. HAZARDOUS WASTE (MANAGEMENT, HANDLING AND TRANSBOUNDARY MOVEMENT) RULES 2008

The applicant shall comply with the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008.

G. SOLID WASTE MANAGEMENT

1. The solid waste collected in the factory premises as sweepings, wastage from packaging, empty containers, residue, sludge including those from air pollution control equipments shall be disposed-off scientifically to the satisfaction of the Board, so as not to cause fugitive emissions, dust problems or water pollution problems through leaching etc., of any kind.
2. The quantity of solid waste and mode of disposal shall be as below:

Sl. No.	Type of Solid waste	Quantity in T/day	Mode of disposal
1	Boiler ash and fly ash	15.55	Shall be sent to land filling or sold to farmers as manure
2	Press mud	200	Shall be supplied to farmers as manure
3	Garbage from the colony	200 kgs/day	Shall be segregated and compostible materials shall be composted and used as manure. Other materials like plastics and metals shall be sent for recycling.

H. NOISE POLLUTION CONTROL

1. The applicant shall comply with the ambient noise standards as stipulated under the EP rule 1986.
2. The applicant shall provide acoustic measures to the DG Sets as per Sl. No. 94 in Schedule-I of EP Rules.


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1. GENERAL

1. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
2. This consent for discharging sewage and/or trade effluents from the factory shall not be taken or construed as the Board's permission to continue to discharge the sewage and/ or trade effluents from the factory into the place (as mentioned in this consent Order) which pollutes the water there-in endangering the life and property of the persons using the said water before, during or after the periods indicated in the Terms and Conditions of this Consent Order
3. The applicant shall not change or alter either the quality or quantity or rate of emission or install/ replace or alter the air pollution control equipment, change in raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the prior permission of the Board
4. 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.
5. The applicant shall promptly comply with all orders and instructions issued from time to time by the Board or any other officers of the Board duly authorized in this behalf.
6. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/ effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact
7. The applicant shall not store any raw materials on naked ground. The applicant shall construct impervious dyke walls/ tank form for storage tanks constructed above ground level.
8. The applicant shall display flow diagram of the pollution control system at the site.
9. The applicant shall appoint a qualified environmental engineer/ scientist for environment management in the factory and also establish an environmental cell.
10. Applicant shall maintain the Environmental Management System in conformity with ISO 14001:2004 standards.
11. The applicant shall comply with the guidelines under Corporate Responsibilities for Environment Protection (CREP) 2003 issued by Ministry of Environmental Forests and CPCB.
12. The applicant shall maintain register recording the ambient air quality, stack monitoring and analysis report of treated effluents. The register shall be open for inspection by the Board Officers at all time.


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13. An inspection book shall be opened and made available to the Board Officers during their visit to the factory.
14. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments utilized by the applicant to maintain compliance with the terms and conditions of this consent.
15. The entire premises shall be always kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.
16. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
17. The applicant, his heirs, legal representatives or assignees shall have no claims what so ever to the continuation or renewal of this consent after expiry of the period of consent.
18. 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.
19. The applicant shall plant and maintain adequate number of trees in and around the industry to arrest the dust emissions escaping into the surrounding area and improve the environment and aesthetic appearance of the industry and the surrounding.
20. The applicant shall make an application for consent at least 120 days before expiry of this consent.
21. Industry shall comply with all the consent conditions and furnish report within 30 days to the Regional Office.
22. The applicant shall publish EC, CFE, CFO and Environment statement in the website of the industry.

For and on behalf of the
Karnataka State Pollution Control Board


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ANNEXURE – I

STANDARDS FOR DISCHARGE OF TREATED TRADE EFFLUENT ON LAND FOR GARDENING/ IRRIGATION

SL. No.	Parameters	Tolerance limits.
1.	Colour and Odour.	See Note.
2.	Suspended Solids mg/l. Max.	100
3.	pH value.	6 to 8.5
4.	Oil and Grease mg/l. Max.	10
5.	Bio-chemical Oxygen Demand, mg/l. (3 days at 27°C) max.	100

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

ANNEXURE – II

Chimney No.	Chimney attached to	Minimum height to be provided AGL/ARL	Rate of emission in NM ³	Constituents to be controlled in the emission	Tolerance limits mg/NM ³	APC equipment to be provided in addition to chimney as per col.3
1	125 TPH Boiler (bagasse/ bio-mass, coal fired)	85 M AGL	-	Particulate matter	150	ESP
2	1250 KVA DG Set	31.5 M AGL or 6m ARL whichever is higher	-	NOx NMHC PM CO	710 ppmv 100 75 150	Acoustic measures

NOTE:

- The Noise level shall not exceed 75 dB(A) leq. During day time (6 AM to 9 PM) and dB (A) leq. during night time (9 PM to 6 AM).
- NMHC- Non-Methane Hydro Carbon.
- Ppmv- parts per million volume.


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