Karnataka State Pollution Control Board

Parisara Bhavana,No.49, Church Street,Bengaluru-560001

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Consent For Operation(CFO-Air,Water) - (CfO-Fresh)

As per the provisions of

The Water (Prevention & Control of Pollution) Act, 1974

&

The Air (Prevention & Control of Pollution) Act, 1981

To

Sangamnath Sugars Limited Distillery Division, Byalihal and B K Yeragal village Sindagi Taluk

for the Facility located at,

Sangamnath Sugars Limited Distillery Division,Sy No's 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village 219, 221, 222/1A, 222/1B, 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 of B K Yeragal ,Byalihal and B K Yeragal village Sindagi Taluk

Bijapur

Consent Order No	PCBID	INW ID	Industry Colour/Scale	Date of Issue
AW-345093	183222	214318	RED/LARGE	20/09/2024

This Consent is granted for the Products/ Activity/Service name indicated in the annexure along with the terms & conditions attached to this order

Validity through: 20/09/2024 to 30/06/2026

Combined Consent Order No: AW-345093 **PCB ID:** 183222 **GSC No :** PB0XG0000204318 **Date:** 20/09/2024

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act , 1974 and emission under the Air (Prevention and Control of Pollution)Act , 1981

Ref: 1. Application filed by the applicant/organization on 30/12/2023

2.Inspection of the Industry/organization/by RO, on 30/12/2023

3.Proceedings of the ECM dated 09/09/2024 ,held on 29/08/2024

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions confirming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: Sangamnath Sugars Limited Distillery Division

Address: Sy No's 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village 219, 221, 222/1A, 222/1B, 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 of B K Yeragal, Byalihal and B K Yeragal village Sindagi Taluk

Industrial Area: Not In I.A, B K Yeragal,

Taluk: Sindgi, District: Bijapur

CONDITIONS:

a) Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Domestic Purpose	21.000	19.000	Refer Additional conditions
2	Manufacturing Processes	1724.000	916.000	Sugar & Co-gen Plant. Refer Additional conditions.
3	Manufacturing Processes	1205.000	1092.000	Distillery Unit. Refer Additional conditions.

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

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel,constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty	Unit
1	Co-generation Power Plant	38.0000	Mega Watt
2	distillery (cane juice / syrup / b-molasses) for production of rs/ethanol/ena	90.0000	Kilo Litres/Day
3	Power Generation from incineration boiler	3.0000	Mega Watt
4	Sugarcane crushing	10000.0000	Tonnes Crushed Per Day (TCD)

Validity through : 20/09/2024 **to** 30/06/2026

To,

Sangamnath Sugars Limited Distillery Division

Byalihal & B K Yeragal village , Sindagi
Taluk, Vijapura District, Karnataka Sta

COPY TO:

The Environmental Officer, KSPCB, Regional Office Vijayapura for information and necessary action.

2. Master Register.
3. Case file.

Consent Fee paid : Rs. 2500000

SCHEDULE

TERMS AND CONDITIONS

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

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.

2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.

2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.

3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall confirm to the standards stipulated by the Board in Annexure-I

3(b).The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.

4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.

5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.

6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.

7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:

8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through 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 tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.

2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C.MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.

2. 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.

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

1.The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.

2.The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.

b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.

c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.

d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

* A "decibel" is a unit in which noise is measured.

* "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

* Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUDARY MOVEMENT)Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundry Movement) Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall obtain prior permission from the competent authority for drawing of water from Surface/Ground water source and submit a copy of the same to the Board.

2. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.

3. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.

4. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.

5. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.

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 provide alternate power supply sufficient to operate all Pollution control equipments.

8. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow points should made easily approachable.

9. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.

10. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.

11. The applicant shall make an application for consent for subsequent period at least 120 days before expiry of this consent.

12. The applicant shall develop and maintain adequate green belt all around the periphery.

13. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.

14. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court

15. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.

16. The applicant shall display flow diagram of the pollution control system near the pollution contol system/s

NOTE:

The Conditions Nil mentioned in the schedule are not applicable.

Additional Conditions:

1. The occupier shall comply with all the Additional Conditions and Standards stipulated in Annexure 1, A & B attached with this consent order.
2. This consent order contains 16 pages including Additional Conditions and Annexures.
3. The products with quantities, water consumption, wastewater generation, mode of disposal with standards, air pollution sources with control measures mentioned in Additional Conditions attached with this order shall be considered and to be complied by the industry.
4. This Consent for Operation – Expansion (CFO-Exp) order is valid up to 30.06.2026 (Co-terminus with the validity of existing CFO).
5. This CFO-Exp order is issued including the activities / products indicated in the current CFO order No. AW- 329274 PCB ID: 83089 dated: 19.01.2022. Therefore, the current CFO order stated above shall be treated as null and void from the date of issue of this Order.
6. This CFO-Exp is issued for the following:
- Sugarcane crushing – 10,000 TCD
- Co-generation Power Plant – 38 MW
- Power Generation from incineration boiler – 3 MW
- Distillery (Cane Juice / Syrup / B-Molasses) for production of RS/Ethanol/ENA – 90 KLPD
7. The applicant shall comply with the following within the timelines stipulated and shall report the compliance to the Board. The applicant shall report the progress in this regard once in 15 days to the Board.
a. Submitting STP proposal for approval of the Board- 30.09.2024.
b. Installing and commissioning the Sewage Treatment Plant – 31.12.2024
c. Installing and commissioning of CO2 Plant – 31.12.2024
d. Installing full scale CPU for treating sugar plant condensate – 30.11.2024
e. Installing piezometers – 30.09.2024
f. Installing PTZ cameras and online flow meters for spent wash- 31.10.2024
g. Providing wind breaking walls around the bagasse yard – 31.12.2024
h. Providing OCEMS to the Co-gen Boiler- 100 TPH – 31.10.2024
i. Providing OCEMS to the Incineration Boiler- 32 TPH- 31.10.2024
j. Conducting performance evaluation of ETP and implementation of corrective measures- 31.10.2024
k. Conducting performance evaluation of APC equipment attached to 100 TPH Boiler and implementation of corrective measures - 31.10.2024

Chim.No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed,in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	D.G. Sets	DG Set - 1000 KVA	30	PM,SO2,NOx,CO, NMHC	75,0,710,150,100	---	AEC,PRT	At all times
2	Boiler	Boiler - 100 TPH (Bagasse)	72	PM,SO2,NOx,CO, NMHC	150,0,0,0,0	---	ESP,PRT	At all times
3	Boiler	32 TPH Incineration Boiler (Conc. Spent wash + Bagasse)	75	PM,SO2,NOx,CO, NMHC	150,0,0,0,0	---	ESP,PRT	At all times

Note:

AEC,PRT : Accoustic Enclosures

ESP,PRT : E.S.P

Note:

1. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection)Rules.

2. There shall be no smell or odour nuisance from the industry.

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2\,(\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period

3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

For and on behalf of the
Karnataka State Pollution Control Board

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