



**Consent For Operation
(CFO-Air,Water)**

Consent No. AW-300669
Valid upto: 30/06/2021

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 5 pages including annexure & excluding additional conditions)

Combined Consent Order No. AW-300669 PCB ID: 28287 Date: 29/07/2016

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 13/05/2016
2. Inspection of the Industry/organization by RO, Bijapura held on 13/05/2016
3. Proceedings of the CCM dated 03/06/2016, held on 26/05/2016

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 conforming 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: Shri Balaji Sugars & Chemicals Private Limited

Address: Sy.No. 74/1 of Yaragal & 32, 35, 36, 40 of Madari, Yaragal & Madari Village, Muddebihal Tq & Vijayapura Dt.

Industrial Area: Not In I.A., Yaragal & Madari Village,

Taluk: Muddebihal, District: Bijapur

Conditions:

a) Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Boiler Feed	48.000	48.000	
2	Cooling Water	130.000	130.000	
3	Others	60.000	60.000	
4	Processing whereby water gets polluted and the pollutants are easily bio-degradable	350.000	350.000	

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.

This consent is issued considering the manufacture of Sugar (excluding Khandsari) / activity.

Sr	Product Name	Applied Qty/Month	Unit
1	Bagasse	33600.0000	M.T
2	Electricity	12960.0000	MWH
3	Molasses	4200.0000	M.T
4	Press mud	4200.0000	M.T
5	Sugar	12600.0000	M.T

This consent is valid for the period from 13/05/2016 to 30/06/2021

For and on behalf of the
Karnataka State Pollution Control Board



S NANDA KUMAR

To,

Shri Balaji Sugars & Chemicals Private Limited

C/O Sundara Agro Foods,
Mudhol, Bagalkot District



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COPY TO:

- The Environmental Officer, KSPCB, Regional Office Bijapura for information and necessary action.
2. Master Register.
3. Case file.

1. Consent Fee paid : Rs. 300000

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 conform 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. WATER CESS:

1. The applicant shall provide water meter at all the intake points as specified under Section (5) of the Water Cess Act, 1977 and shall file the Water Cess returns regularly before fifth of every month and also pay the Cess assessed with the time stipulated.



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D. 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.

E. 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.

F. NOISE POLLUTION CONTROL:

1. 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 under the Air (Prevention and Control of Pollution) Act, 1981.

G. HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) 2008:

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

H. GENERAL CONDITIONS:

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
2. 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.
3. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
4. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
5. 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.
6. The applicant shall provide alternative power supply sufficient to operate all Pollution control equipments.
7. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.
8. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
9. 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.



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10. The applicant shall make an application for consent for subsequent period at least 45 days before expiry of this consent.
11. The applicant shall develop and maintain adequate green belt all around the periphery.
12. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.
13. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
14. 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.
15. The applicant shall display flow diagram of the pollution control system near the pollution control system/s.

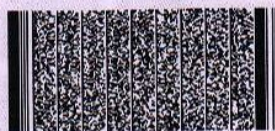
NOTE:

The following Conditions 2(b), 3(b) mentioned in the schedule are not applicable.

Additional Conditions:

Additional conditions are enclosed.

For and on behalf of the
Karnataka State Pollution Control Board



S NANDA KUMAR

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

Chim.N o.	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.(3)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Boiler	120 TPH	70	---	---	BAG	ESP	Before commissioning.
2	D.G. Sets	625 KVA	7	---	---	DIE	AEC	Before commissioning.
3	D.G. Sets	625 KVA	7	---	---	DIE	AEC	Before commissioning.

Note:

ESP : E.S.P

AEC : Accoustic Enclosures



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Note:

1. The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively.
2. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection) Rules.
3. 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 at least 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.

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Additional Conditions

The consent is issued considering the manufacture of :

SL.NO	Products/activity	Maximum Capacity
1	Sugarcane Crushing	3500 TCD
2	Co- generation plant	18 MW

The Consent for the period 01/07/2015 to 30/06/2016 is recorded and consent is granted for the period from 01.07.2016 to 30.06.2021.

Consent fees : Rs. 9,00,000/- under both Water Act & Air Act

RTGS NO: KARBH16118087255- Rs. 3,00,000/-

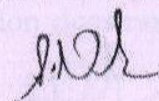
SBINR520160701317080 - Rs. 6,00,000/-

A. TREATMENT AND DISPOSAL OF EFFLUENT UNDER THE WATER ACT

1. The applicant shall monitor the quality of effluents for the parameters stipulated as per the frequency indicated.

Sl. No	Description of the effluents	Daily quantity of discharge in KL	Tolerance Limits	Frequency of monitoring
1	2	3	4	5
1	Trade effluent Sugar plant & Co-generation plant	588 KLD	As per Annexure-I	Weekly
2	Domestic effluent	40 KLD	Disposed to Septic tank and soak pit	-

2. The ETP site and the entire premises shall be always kept clean. The ETP site, inspection chamber, Outlets, flow measuring ponits should be made easily approachable to the inspecting officers.
3. The applicant shall ensure that the waste water generation from sugar unit is less than or equal to 200 lts/ ton of cane crushed.
4. The applicant shall provide adequate storage capacity for treated effluent to take care of no demand for irrigation (15 days holding capacity). The storage tanks shall be impervious.
5. Industry has to provide a separate drainage system for storm water management & there shall not be mixing of storm water with treated effluent.
6. The applicant shall discharge the treated effluent only for irrigation on land owned by the industry. The application of treated effluent for agriculture shall be controlled so as to avoid either flooding of land or ground water contamination.



7. The factory authorities shall display the approved flow sheet in the ETP area on a board along with discharge standards stipulated in the consent order.
8. The applicant shall display the treated effluent parameters, as per the latest analysis report of the treated trade effluent, at the ETP location.
9. The applicant shall paint the name and capacity of each unit of ETP.
10. The applicant shall provide lined and closed drains to convey trade effluents to ETP for further treatment and disposal.
11. The applicant shall ensure that the operation of treated effluent treatment plant shall be started at least one month before starting of cane crushing to achieve desired MLSS so as to meet the prescribed standards from day one of the operation of mill.
12. Final treated effluent discharge restricted to 100 litre per tonne of cane crushed and Waste water from spray pond overflow or cooling tower blow down to be restricted to 100 litre per tonne of cane crushed and only single outlet point from unit is allowed.

B. Waste Water Conservation & Pollution Control Management

1. Establishment of cooling arrangement and polishing tank for recycling the excess condensate water to process or utilises or allied units.
2. Effluent Treatment plant to be stabilized one month prior to the start of the crushing season and continue to operate one month after the crushing season.
3. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.

C. Molasses Storage

1. (a) The applicant shall store the molasses only in steel tanks covered with proper roof in.
(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 of the spoiled molasses and it shall be disposed off in a manner as laid down by the Board

D. Self Monitoring and Reporting by the Industry

1. The applicant shall install online continuous effluent quality monitoring system at the outlet of sugar plant ETP for the measurement of parameters like flow, pH, COD, BOD, TSS & other consented parameter and monitoring data shall be connected & uploaded to KSPCB and CPCB's servers.

E. EMISSIONS:

1. The applicant shall operate the air pollution control equipment as specified in the Annexure-III continuously so as to ensure that the emission does not exceed the limits specified.

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2. Industry shall take measures to cover the press mud, bagasse and ash which are stored in open area with sheets or adopt water sprinkling system to avoid fugitive emissions.

F. SELF MONITORING AND REPORTING BY THE INDUSTRY

2. The applicant shall at his own cost get the samples of emissions collected and get them analyzed from MoEF empanelled laboratory once a month for the parameters indicated.
3. The applicant shall carryout the ambient air quality monitoring and submit 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. 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.
4. (a) The applicant shall maintain the on line continuous stack emission monitoring system for measurement of emissions parameter like PM and monitoring data shall be connected & up loaded to KSPCB and CPCB's servers.
(c) Once in a month by 5th, the max, min & Avg values and also the number of time, the exigencies recorded shall be submitted to R.O

G. The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

The applicant shall comply with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

H. SOLID WASTE MANAGEMENT

The solid waste quantity and its disposal shall be as below;

Solid waste	Quantity (TPM)	Mode of disposal
Fly ash and bottom ash	999 249	Sold to brick manufacturers Mixed with press mud and given to farmers
Press mud	4200	Mixed with ash and given to farmers

I. GENERAL

- 1) 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.
- 2) 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

8.10.1

raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the prior permission of the Board.

- 3) The industry shall not change or alter (a) raw materials or manufacturing process,
- 4) (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 not store any raw materials on naked ground.
- 6) The applicant shall appoint a qualified environmental engineer/ scientist for environment management in the factory and also establish an environmental cell.
- 7) Applicant shall maintain the Environmental Management System in conformity with ISO 14001:2004 standards.
- 8) The applicant shall comply with the guidelines under Corporate Responsibilities for Environment Protection (CREP) 2003 issued by Ministry of Environmental Forests and CPCB.
- 9) The applicant shall continue the self monitoring system for monitoring the effluents and emissions.
- 10) 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.
- 11) An inspection Book shall be opened and made available to the Board Officers during their visit to the factory.
- 12) 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.
- 13) Industry shall comply with all the consent conditions and furnish report within 30 days to the Regional Office.
- 14) The applicant shall display EC, Environmental Statement and Consent orders in the website of the industry and update regularly.

Note: The Noise level shall not exceed 75 dB(A) leq. During day time (6 AM to 9 PM) and 70 dB(A) leq. during night time (9 PM to 6 AM).

S. N. K.

Copy to Regional officer, Vijayapuri for information and ensure compliance to following directions issued by CPCB.

While issuing Consent to operate or renewing CTO to a plant, industry or process under the Water Act and Air Act & installation handling hazardous substance (a) beyond the

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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.	5.5 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
6.	Total dissolved Solids (TDS), mg/l	2100

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.	120 TPH boiler	70 M AGL	-	PM	150	Electrostatic precipitator
2.	625 KVA DG set	7 M ARL	-			Acoustic enclosure
3.	625 KVA DG set	7 M ARL	-			Acoustic enclosure
4.	Coal Bunker	3 M ARL	-			Dust extraction system
5.	Coal Bunker	3 M ARL	-			Dust extraction system

Note: The Noise level shall not exceed 75 dB(A) leq. During day time (6 AM to 9 PM) and 70 dB (A) leq. during night time (9 PM to 6 AM).

Copy to Regional officer, Vijayapura for information and ensure compliance to following directions issued by CPCB.

While issuing Consent to operate or renewing CTO to a plant, industry or process under the Water Act and Air Act & installation handling hazardous substance (s) beyond the

S. M.

prescribed threshold limits as listed under the PLI Act, 1991, the SPCB shall ensure compliance to the following from the occupier ;

1. Details on current PLI policy would be compulsorily sought (as a checklist).
2. Shall seek a copy of successive Public liability Insurance Policies (year wise) since undertaking the use, trade or sewage of listed hazardous chemicals as under the PLI Act, 1991.
3. Shall seek a copy of Form III of ERF scheme under the PLI Act, 1991.
4. The SPCBs shall seek a copy of on-site emergency plan.

S. Nanda

Location:

Name of the Industry: Sri Sai Sri Sugars & Chemicals Private Limited

Address: Plot No. 14/1 of Village & P. 35-36, 40 of Madari, Yamgal & Madari Village, Madari Taluk, Mysore District.

Industrial Area: Not in I.A. Yamgal & Madari Village

Taluk: Madari Taluk District: Mysore

Conditions:

a) Discharge of effluents under the Water Act:

Sl. No. Description of effluent/effluents Limit specified under schedule

1. Effluent from sugar processing unit 1000000 litres per day

2. Effluent from chemical processing unit 1000000 litres per day

3. Effluent from other units 1000000 litres per day

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

Sl. No. Description of chimney/stack Limit specified under schedule

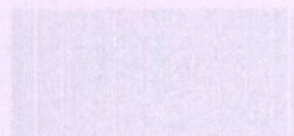
The details of sources, nature, equipments and its specification, type of fuel, constituents to be controlled in effluents are detailed in Appendix II

This consent is issued considering the manufacture of Sugar processing chemicals activity.

Sl. No.	Parameter	Applied Limit	Unit
1	PH	6.5 to 8.5	MT
2	DO	2.0 to 4.0	MT
3	BOD	1000	MT
4	COD	1000	MT

This consent is valid for the period from 12/06/2018 to 30/06/2021

For and on behalf of the
Karnataka State Pollution Control Board



S. NANDA KUMAR

Sri Sai Sri Sugars & Chemicals Private Limited

C/O Sundari Agro Foods,
Mysore, Bangalore District