

Consent For Operation (CFO-Air, Water)

Consent No.-AW-302016 Valid upto: 30/06/2021

Industry Colour: RED

Industry Scale: LARGE

Karnataka State Pailution Control Board Parisara Bhavana, No. 49, Church Street, Hengaluru-560001 Tele: 080-25589112/3, 25581383 Fax:080-25586321 email id: holikspeb.gov.in

(This document contains

5 pages including annexure & excluding additional conditions)

Combined Consent Order No. AW-302018

10034

Date: 04/02/2017

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 05/07/2016

2.Inspection of the

on on 05/07/2016

Industry/organization/by RO,

held on 08/09/2016

3. Proceedings of the CCM dated 15/09/2016 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 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:

Bliagi Sugar Mill Ltd.

Address

92/P1,P4,93/192 & 9B/groadagandi Village, TqiBilagi Deibagaiko

Industrial Area:

Not In I.A.

Badagandi Village,

Taluk:

Bilgi,

District: Bagalkot

Conditions:

a) Discharge of effluents under the Water Act:

a) Discharge of emount	PEDSWCIKED IN	TWWG-KEDT	Remark
St Water Code	87.000	27,000	Shall be treated in ETP
Bode Feed	10,000	2.000	Shall be treated in HIF.
2 D'M-Water Plant	40,000	32,000	Shall be treated in Septic.
3 Посмении Ригром	40,000	ALC: N	tank-and Soak pit
	250.000	138,000	/ Shall be treated in ETP
# 1 Manufactoring Processes	230.000	1	The second secon

b) Discharge of Air emissions under the Air Act from the following stucks 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;

Sille	Product Name Co. La Collect	THE APPLIED LINYARD BLADE	No. of Concession,
No. of Concession, Name of Street, or other Persons, Name of Street, or ot	Bagarre	345,5250	
2	bottom ash	7.5000	M
3	Electricity	115,1170	
4	(Ily malt)	1913,3360	М
5	Melanes	979.0000	
6	Press Mud	8475.0000	
4	Suppl		

This consent is valid for the period from

05/07/2018

30/08/2021

For and on behalf of the Karnataka State Pollution Control Board



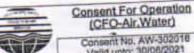
B N RAMESH KUMAR

Bilagi Sugar Mill Ltd

Village, Tq: Bliagi, Dt: Bagalkot

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Consent No. AW-302018 Valid upto: 30/06/2021

Industry Scale: LARGE Industry Colour: RED

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

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

- 2. Master Register.
- 3. Case file.

1. Consent Fee paid

: Rs. 150000

SCHEDULE

TERMS AND CONDITIONS

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

- 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 stiall 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-1.
- 3(a). The trade effluent generated in the industry shall be treated in the ETF and treated effluent shall confirm to the standards stipulated by the Board in Annexure-L
- 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
- The applicant shall not change or aiter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous content permitsion of the Hoard.
- 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:
- 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.
- 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.
- The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C. WATER CESS:

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 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:



- 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 1 & 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 Le 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)
- G. HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANSBOUDARY MOVEMENT) 2008-

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

H. GENERAL CONDITIONS:

- The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
- The applicant shall premptly comply with all orders and instructions issued by the Boards from time to time or any other officers of the Board duly authorized in this behalf.
- The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
- 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.
- The applicant shall provide alternative power supply sufficient to operate all Pollution control equipments.
- 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
- 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.



Consent For Operation (CFO-Air Water)

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- The applicant shall make an application for consent for subsequent prod 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
- 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
- 15. The applicant shall display flow diagram of the pollution control system near the pollution contol system/s.

The following Conditions A[2(b), 3(b)] & G. mentioned in the schiedule are not applicable

arions stipulated in the schedule attached harswith & the additional conditions. Additional Conditions:

> For and on behalf of the Karpataka State Pollution Control Board

> > B N RAMESH KUMAR

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

i Chir	nnt	Capacity/ KVA Rating	THE PERSON NAMED IN	Con	estiments to be trolled in the ission	Tolerance limits mg/NM3	P		equipment to be	pellution control equipments shall be provided to achieve the stipulated tolerance limits and chiuncy heights conforming to stipulated heights.		
	t				1	BETTER T	150,100	.50	DIE	SCR	Before commissioning.	
			250		5	PM(mg/NM3),SO2 (PPM),NOx(PPM)		-	-	GRB	Bufort	
			G. Sets	200		- 1	PM(mg/NM3),SO2	150,10	0,50	DIE		commissioning
		-	750		8	(PPM).NOx(PPM)		-	BAG	DUS.GRB	S Before commissioning	
	2 D.0	Sets	No.		60	DI HIGH (NM3) SO2	150,10	0,50	DAG	CR	COMMISSION	
-	3 80		55 TF	144	23	(PPM),NOx(PPM)		- +				

SCR

Sanubber

Green Belt

DUS, GR : Dust Collector B.SCR



(CFO-Air, Water)

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Note:

- The Noise levels within the premises shall not exceed 75 dB (A) let during day time and 70 dB(A) let during night.
 - The DG set shall be provided with acoustic measures as per \$1.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 atleast eight times the stack or duct diameters down stream 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.

Equivalent Diameter = 2 (Length x Width)
(Length + Width)

- 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
- 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.

V

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ADDITIONAL CONDITIONS TO ACCOMPANY CONSENT ORDER OF M/S. BILAGI SUGAR MILLS LTD., BADAGANDI VILLAGE, BILAGI TALUK, BAGALKOT DISTRICT.

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	2500 TCD
2	Co-generation	
-	oo generation	8 MW

The Consent is granted for the period from 01.07.2016 to 30.06.2021.

Consent fees: Rs. 7,50,000/- under both Water Act & Air Act.
Capital investment: Rs. 124.45 crores
RTGS No: AXISF16124068191- Rs. 1,50,000/- dt: 04.05.2016.
RTGS No: AXISF16201099517 - Rs. 6,00,000/- dt: 19.07.2016.
Ref: Proceedings of Personal heafing held on 05.11.2016

I. (A) TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

The daily quantity of effluent discharge shall not exceed the limits and shall not contain
the constituents in excess of the tolerance limits laid down as indicated in the table below.
The applicant shall monitor the quality of effluents for the parameters stipulated as per the
frequency indicated.

SI. No.	Description of the effluents	Daily quantity of discharge in KL	Tolerance Limits	Frequency of monitoring	
1	2	3	4	- mountoring	
1	Trade effluent from Sugar and Co-gen. Unit		Annexure-I	Weekly	
2	Domestic effluent	32 KLD	Disposed to Septic tank and soak pit		

- 2. 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. The application of treated effluent for agriculture shall be controlled so as to avoid either flooding of land or ground water contamination.
- The ETP site and the entire premises shall be always kept clean. The ETP site, inspection chambers, Outlets, flow measuring points should be made easily approachable to the inspecting Officers.

- 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.
- The applicant shall provide lined and closed drains to convey trade effluents to ETP for treatment and disposal.
- The applicant shall provide adequate storage capacity for treated effluent to take care of discharge during no demand for irrigation(15 days holding capacity). The storage tank shall be impervious.
- 7. The applicant shall furnish the ownership of land to the Board with the location map of irrigation land showing the Sy. Nos. and a list of land with Sy. Nos. if proposed on private agricultural lands and shall discharge only with prior approval from the land owners and the approval of the Board.
- 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.

II. WASTE WATER CONSERVATION AND POLLUTION CONTROL MANAGEMENT:

- Establishment of cooling arrangement and polishing tank for recycling the excess condensate water to process or utilises or allied units.
- 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.
- Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.

III.MOLASSES STORAGE

- (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.
- 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.

IV. DISCHARGE OF EMISSIONS UNDER THE AIR ACT:

- The applicant shall operate the air pollution control equipment as specified in the Annexure-II, continuously so as to ensure that the emission does not exceed the limits specified. The operation of the control equipment shall be synchronized with the operation of the emission source.
- The applicant shall maintain port hole, access platforms for carrying out stack sampling with electrical outlet points for sampling the emissions from port holes in all the stacks, as per the guidelines.

3. The applicant shall treat and dispose any liquid effluents produced in the course of control of air pollution by scrubbing, conditioning etc., of flue gases in accordance with the provisions of the Water (Prevention and Control of Pollution) Act, 1974. The details of such discharges shall be quantified and monitored immediately after commissioning and details of collection, treatment and disposal shall be furnished to the Board.

V. SELF MONITORING AND REPORTING BY THE INDUSTRY

- 1. The applicant shall at his own cost get the treated trade effluent samples collected from the place specified and analyze the same once is a month 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. 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. 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 install on line continuous effluent quality monitoring system at the out let of sugar plant ETP for the measurement of parameters like flow, pH, COD, BOD, TSS & other consented parameter and monitoring data shall be connected & up loaded to KSPCB and CPCB's servers.
- The applicant shall;
- a) 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

VI. HAZARDOUS & OTHER WASTE (MANAGEMENT, TRANSBOUNDARY MOVEMENT) RULES, 2016:

The applicant shall comply with the Hazardous & Other Waste (Management, Handling & Transboundary Movement) Rules, 2016.

CHIEF ENVIRONMENTAL OF

VII. SOLID WASTE MANAGEMENT

- The solid waste collected in the factory premises as sweepings wastage 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.
- The applicant shall segregate solid waste from Hazardous Waste/Bio-medical Waste/Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to Environment.
- The storage & disposal shall be as specified below:

Sl. No	Type of Solid Waste	Quantity in TPD	Mode of storage, treatment and disposal
1	Press mud	100	Shall be mixed with ash and given to farmers
2	Boiler Ash	24	
3	3 ETP Sludge 0.1		Used as fertilizers and gives to farmers

 The applicant shall go for effective fly ash management as per Fly ash Notification and take precautions not to cause any fugitive emissions/ dust nuisance leading to public complaints.

The applicant shall maintain a log book for fly ash generation and disposal.

VIII. GENERAL

- 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 thi
 Consent Order.
- 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.
- 3. 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.
- The applicant shall not store any raw materials on naked ground.

- The applicant shall appoint a qualified environmental engineer/ scientist for environment management in the factory and also establish an environmental cell.
- Applicant shall maintain the Environmental Management System in conformity with ISO 14001:2004 standards.
- The applicant shall comply with the guidelines under Corporate Responsibilities for Environment Protection (CREP) 2003 issued by Ministry of Environmental Forests and CPCB.
- The applicant shall continue the self monitoring system for monitoring the effluents and emissions.
- 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.
- 10. An inspection Book shall be opened and made available to the Board Officers during their visit to the factory.
- Industry shall comply with all the consent conditions and furnish report within 30 days to the Regional Office.
- 12. The applicant shall display EC, Environmental Statement and Consent orders in the website of the industry and update regularly.
- 13. The applicant shall comply with the Proceedings of Personal Hearing held on 05.11.2016, and shall adhere to the commitment given to the Board vide Affidavit dt: 23.11.2016, without fail.

CHIEF ENVIRONMENTAL OFFICER

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

		Tolerance limits.
v Nie	Parameters	See Note.
L No.	to the and Odout	100
1.	Suspended Solids mg/l.Max.	5.5 to 8.5
2.		10
3.	pH value.	100
4.	Oil and Grease mg/l. Max.	100
5	Dio-chemical Oxygen Demand	2100
-	on Jack of / C. Hillian	
- 6	(3 days at 27°C) max. Total dissolved Solids (TDS), mg/l Total dissolved Solids (TDS), mg/l	seant odour as far as practi

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

HYDRAULIC LOADING APPLICABLE FOR DIFFERENT SOILS

	HYDRAULIC LOADIS	Loading rate in M ³ /Hec/day.
SI. No.	Soil Texture.	225 to 280
1.	Sandy	170 to 225 110 to 170
3.	Sandy Loam.	055 to 110 035 to 055
4.	Clay Loam. Clayey.	7
٥.	Clayey	Pall Pall

Chi mn ey	Chimney Attached to	Minimum Chimney Height to be Provided	Rate of emissio n Nm³/Hr.	ents to be	Tolera nce limits Mg/N m ³	Air Pollution Control equipment to be installed, in addition to Chimney height as per Col (3)	
		ground level	1	5	6	Venturi wet scrubb	
	2	3	+ -	PM	150		
1	55 TPH Boiler	53 M AGL	1-	-			Acoustic enc. are
4.	at annu Fire(1)	era fired)	-	-	Acoustic city		
-	THE PARTY A TO CO	8 M ARL	1			Acoustic enclosur	
5.	Set.	7.5	-	-	-	Acoustic con	
_	250 KVA D.G.	5 M ARL	1				

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

- 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.
- Shall seek a copy of Form III of ERF scheme under the PLI Act, 1991.
- The SPCBs shall seek a copy of on-site emergency plan.