



**Consent For Establishment -Expand
(CFE-EXP)**

Consent No. CTE-319305 Valid
upto: 15/10/2026

Industry Colour: RED

Industry Scale: LARGE

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 6 pages including annexure & excluding additional conditions)

Consent Order No: CTE-319305

PCB ID: 14025

Date: 28/07/2020

To,

The Applicant,

Satish Sugars Limited

Sir,

Sub: Consent for Expansion of the unit in the Existing premises under the Water (Prevention & Control of Pollution Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981

Ref: 1.CFE expansion application submitted by the organization on 05/03/2020 at Regional Office KSPCB

2. Inspection of the project site by Regional Officer on 16/03/2020

3. Proceedings of the CCM date 06/07/2020 held on 01/07/2020

With reference to the above, Karnataka State Pollution Control Board hereby accords **Consent for Expansion** of the existing premises under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 at the location indicated below subject to the terms & conditions indicated in Schedule Annexed.

Location:

Name of the Industry: Satish Sugars Limited

Address: Sy no.366-369,371-382,385,389-391, of Beeraangaddi Village, Hinshyal PG Village Sounda Village, Gokak Tq, Belgaum Di

Industrial Area: Not In I.A, Beeraangaddi & Hunshyal PG,

Taluk: gokak, District: Chikkodi

CONDITIONS:

1. The Consent for Expansion is granted considering the following activities:
2. This consent for establishment is valid up to 15/10/2026 from the date of issue.
3. The applicant shall not undertake further expansion/diversification without the prior consent of the Board.
4. The applicant shall obtain necessary license/clearance from other relevant statutory agencies as required under the law.

I. WATER CONSUMPTION:

1. The source of water shall be from Ghataprabha River and shall obtain prior permission from the concerned

authority. Total water consumption shall not exceed as indicated below:

Particulars	Water Consumption(KLD)	Water Discharge(KLD)	Water Source	Existing/Prop
Boiler Feed	581.0	58.0	Other	Proposed
Cooling Water	1125.0	825.0	River	Proposed
Domestic Purpose	10.8	8.4	River	Proposed
Manufacturing Processes	6705.0	383.0	River	Proposed



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II. WATER POLLUTION CONTROL:

1. The discharge from the premises of the applicant 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. The sewage/domestic effluent shall be treated in Septic Tank 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.
3. The Effluent Treatment Plant proposal is generally agreeable and shall be constructed as per the specifications mentioned in the proposal and it shall consist of following units.

Sr	ETP Code	Category Name	Capacity	Units	Existing/Proposed
1	BS-	Bar Screen	0.98	2	Existing
2	BS-	Bar Screen	1.00	1	Proposed
3	CO-	Composting	56207.00	1	Existing
4	MW-	Monthly Wash tank	785.00	1	Existing
5	CDT	P-Chemical Dousing Tank	2.60	2	Existing
6	C+E	P-Collection cum Equalization	4.00	1	Proposed
7	DEC	P-Decanter	36.00	2	Existing
8	DEC	P-Decanter	5.00	1	Proposed
9	EQU	P-Equalization Tank	459.00	2	Existing
10	HOL	P-HOLDING TANK	5.00	1	Proposed
11	OGT	P-Oil-Grease Trap	29.60	4	Existing
12	PP-	Polishing pond	1694.33	1	Existing
13	AER	S-AERATION TANK	548.10	2	Existing
14	AER	S-AERATION TANK	15.00	1	Existing
15	CLS	S-Sec Clarifier	254.00	2	Existing
16	SET	S-SETTLING TANK	56.00	2	Existing
17	SDB	S-Sludge Dry Beds	453.75	10	Existing
18	UAS	S-U.A.S.B	489.60	2	Proposed

4. The industry shall treat the domestic wastewater in the Sewage Treatment Plant (STP) as per the proposal submitted. It shall meet the standards specified in Annexure-I & shall be used on land for gardening/greenbelt within the factory premises.
5. If the treatment plant does not achieve the effluent standards stipulated in this consent order and/ or if it is found to be inadequate, then the industry shall have to modify the units so as to meet the standards with prior consent of the Board.
6. All the treatment units shall be totally impervious.
7. The applicant shall provide separate flow meter for measuring the quantity of effluents through ETP and separate energy meter and shall maintain a logbook for the verification of inspecting officers.
8. The applicant shall operate and maintain Treatment Plant continuously and maintain at all times to achieve the stipulated standards as per Annexure-I & also maintain regular log-books/operation records.
9. There shall not be any increase in generation of Domestic sewage due to proposed expansion.
10. There shall be no bypass or discharge of effluents either within or outside the factory premises under any circumstances.
11. There shall not be any discharge of untreated trade/domestic sewage inside/outside the industry premises.
12. The applicant shall explore the possibility of reducing freshwater consumption & adopt recycling/ reuse.



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III. AIR POLLUTION CONTROL:

1. The type of emissions, stack heights and the air pollution control equipment for the air pollution control to be installed as specified in **Annexure-II**.
2. The discharge of emissions from the air pollution sources 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.
3. The stacks shall have port holes and platforms as per the guidelines specified in **Annexure-II** to facilitate monitoring of emissions.
4. The applicant shall upgrade/modify/replace the control equipments if they are found inadequate to meet standards stipulated with Prior permission of the Board shall be obtained for the same.
5. There shall not be any other sources of air pollution from the proposed expansion.
6. If there is going to be any new air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.
7. Any fugitive emission has to be controlled to meet the ambient air quality standards.

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

1. The applicant shall collect, treat and dispose off all solid waste generated during construction i.e. Muck, Garbage after construction if any in such manner so as not to cause environmental pollution.
2. The details of solid waste generated from the expansion activity shall be as follows

Sr	Solid Waste Name	Qty-Unit	Mode of Disposal
1	wet bottom ash	0.0000 - M.T	OTH
2	dry fly ash	0.0000 - M.T	OTH
3	Domestic Waste	1.9500 - M.T	OTH
4	ETP Sludge	90.0000 - M.T	OTH
5	Boiler - Ash from co-gen plant	840.0000 - M.T	OTH
6	bagasse	135000.0000 - M.T	OTH
7	press mud	18000.0000 - M.T	OTH

V. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDRY MOVEMENT) RULES 2016:

1. The industry shall apply and obtain authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016, and comply with the conditions of the authorization. The applicant shall apply for authorization along with the consent for operation (CFO) application under the Rules in Form-I to obtain authorization and comply with conditions.
2. There shall not be any Hazardous Waste generation from the proposed expansion project.

VI. NOISE POLLUTION CONTROL:

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

VII. GENERAL CONDITIONS:

1. The applicant shall transport and store the raw materials in a manner so as not to cause any damage to environment property. The applicant shall be solely responsible for any damages to environment.



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5. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of effluents or emissions or solid wastes etc. in excess of the standards stipulated. And the industry shall immediately appropriate corrective and preventive actions under intimation.
6. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration in advance equal to the cost estimated by Competent Agency or Committee.
7. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the term conditions.
8. This CFE does not give any right to the Party/Project Authority/Industry to forego any *other* legal requirement necessary for setting/operation of the plant.
9. The applicant shall furnish point wise compliance to the conditions given under this consent for establishment with
10. The applicant shall take measures to develop green belt all along the periphery of the factory premises.
11. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
12. The applicant shall comply with all the Conditions and guidelines issued by the Board from time to time.

Please note that this is only consent for establishment issued to you to proceed with the formalities for expansion of the industry and does not give any right to proceed 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.

Consent Fee paid : Rs. 75000

NOTE:

The Conditions II(2) mentioned in the schedule are not applicable.

Additional Conditions:



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COPY TO:

1. The Environmental Officer, KSPCB, Regional Office Belgaum (Chikkodi) for information and necessary action.
1. Master copy (Dispatch).
2. Office copy.

Chimney 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 when pollution control equipment to be provided to achieve the stipulated tolerance limits and chimney heights conforming stipulated heights.
1	D.G. Sets	DG Set 2 x 500 (Proposed)	30	PM(mg/NM3), SO2 (PPM), NOx(PPM)	100,80,80	DIE	AEC	Before commissioning
2	D.G. Sets	DG Set 650 KVA (Existing)	8	PM(mg/NM3), SO2 (PPM), NOx(PPM)	100,80,80	DIE	AEC	Before commissioning
3	D.G. Sets	DG Set 250 KVA (Existing)	5	PM(mg/NM3), SO2 (PPM), NOx(PPM)	100,80,80	DIE	AEC	Before commissioning
4	D.G. Sets	D G set 250 KVA (Existing)	5	PM(mg/NM3), SO2 (PPM), NOx(PPM)	100,80,80	DIE	AEC	Before commissioning
5	D.G. Sets	DG Set 40 KVA (Existing)	3	PM(mg/NM3), SO2 (PPM), NOx(PPM)	100,80,80	DIE	AEC	Before commissioning
6	Boiler	60 TPH (Existing)	62	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150,0,0	BAG	SCR	Before commissioning
7	Boiler	2 x 100 TPH (Proposed)	75	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150,0,0	BAG	ESP	Before commissioning
8	Boiler	130 TPH (Existing)	62	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150,0,0	BAG	ESP	Before commissioning
9	Boiler	90 TPH (Existing)	62	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150,0,0	BAG	ESP	Before commissioning

Note:

AEC : Acoustic Enclosures

SCR : Scrubber

ESP : E.S.P



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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 diameter downstream from any flow disturbance such as bend, expansion, contraction and visible flame. Further, the selected port has to be at least 2 stack/duct diameter before stack/duct exit or from any other flow disturbance. For rectangular stacks, an equivalent diameter can be calculated using following expression.

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

2. The diameter of the sampling port should not be less than 100mm dia". Arrangements should be made so 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 off 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.

ANNEXURE – I

STANDARDS FOR DISCHARGE OF TREATED TRADE EFFLUENT ON LAND FOR IRRIGATION

(As per MOEF No. G.S.R. 1265(E), dated: 13.10.2017)

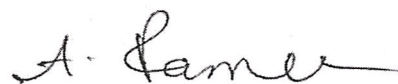
Sl. No.	Parameters	Tolerance limits.
1.	Colour and Odour.	See Note.
2.	Suspended Solids mg/l.Max.	100
3.	pH value.	5.5 to 8.5
4.	Oil and Grease mg/l. Max.	10
5.	Bio-chemical Oxygen Demand, mg/l. (3 days at 27°C) max.	30
6	Total dissolved Solids (TDS), mg/l	2100

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

SEWAGE STANDARDS

SI No	Parameters	Tolerance Limit
1	pH	5.5 to 9.0
2	BOD(mg/l)	Not more than 10
3	COD(mg/l)	Not more than 50
4	TSS(mg/l)	Not more than 20
5	NH ₄ -N(mg/l)	Not more than 5
6	N-Total (mg/l)	Not more than 10
7	Fecal Coliform(MPN/100ml)	Less than 100

The applicant shall comply with the guidelines issued by Central Pollution Control Board for utilization of treated effluent in irrigation Published on September 2019 (Copy of guidelines is available at https://kspcb.gov.in/Circular_4588-26-11-2019.pdf).



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ANNEXURE – II

Sl No.	Chimney Attached to	Minimum Chimney Height to be Provided Above ground level	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.	100 TPH Boiler (Bagasse)	75 Meter Above Ground Level.	PM	150	Electro Static Precipitator (ESP)
2	100 TPH Boiler (Bagasse)				
3	500 KVA D G Set	8 Meter Above Roof Level.	NO _x * NMHC** PM*** CO****	710 PPmv 100 mg/Nm ³ 75 mg/Nm ³ 150 mg/Nm ³	Acoustic Enclosure.
4	500 KVA D G Set	8 Meter Above Roof Level.	NO _x * NMHC** PM*** CO****	710 PPmv 100 mg/Nm ³ 75 mg/Nm ³ 150 mg/Nm ³	Acoustic Enclosure.

NOTE: The Noise level shall not exceed 75 dB(A) leq. During day time (6 AM to 10PM) and 70 dB (A) leq. during night time (10 PM to 6 AM).

* (as NO₂) (at 15% O₂) dry basis in ppmv.

** (as C) (at 15% O₂) mg/Nm³

*** (at 15% O₂) mg/Nm³

**** (at 15% O₂) mg/Nm³


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ANNEXURE-III

ADDITIONAL CONDITIONS TO ACCOMPANY CONSENT FOR ESTABLISHMENT (EXPANSION) ORDER OF M/S. SATISH SUGARS LIMITED., Sy NO. 366-369, 371-382 & 389-391 OF BEERANGADDI VILLAGE & HUNSHYAL PG VILLAGE, SOUNDALAGA VILLAGE, GOKAK TALUK, BELGAVI DISTRICT.

Preamble: M/s. Satish Sugars Limited, is an existing industry located at Sy No 366-369, 371-382, & 389-391 of Beeerangaddi Village, Hunshyal PG village, Soundalaga village, Gokak Taluk, Belagavi district. The industry engaged in production of White Crystal Sugar with Sugar cane crushing capacity of 10,000 TCD and Co-generation power plant of 45 MW. The Board has issued Consent for operation for the said activity for the period upto 30.06.2021 vide Combined Consent Order No AW-301534 PCB ID: 14025 Dated: 01.12.2016.

The industry proposes to enhance the production capacity of Sugar cane crushing from 10,000 TCD to 15,000 TCD and Co-generation power plant from 45 MW to 80 MW. The industry has obtained Environmental Clearance from MoEF (combined for Sugar mill and distillery) vide letter No.F.No.J-11011/341/2012-IA-II-(I), Dated: 16.10.2019. The industry has applied for CFE exp of the Board under both the Water & Air Acts for enhancing Sugar cane crushing capacity from 10,000 TCD to 15,000 TCD AND Co-generation power plant from 45 MW to 80 MW.

The subject regarding Consent for Establishment (Expansion) was deliberated in the 1st State Level Enforcement Committee Meeting held on 01.07.2020 wherein the Committee recommended to issue of Consent for establishment (Expansion) for enhancing the sugarcane crushing capacity from 10,000 TCD to 15,000 TCD and Co-generation power plant from 45 MW to 80 MW with conditions. Accordingly, Consent for Establishment (expansion) is hereby issued with following additional terms and conditions;

- 1) This consent for establishment (expansion) is issued for enhancing the Sugarcane crushing capacity from 10,000 TCD to 15,000 TCD and Co-generation power plant from 45 MW to 80 MW within the existing premises.
- 2) The validity of this consent for establishment (expansion) is upto 15.10.2026 (Co-terminus with the validity of EC).

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

Sugar and Co-gen plant (After Expansion):

1. After expansion the daily quantity of effluent generation from sugarcane crushing and Co-generation power plant shall not exceed 1299 KLD during season & 958 KLD during off season and same shall be treated in existing Effluent Treatment Plant of capacity 1700 KLD.
2. The treated effluent shall not contain constituents in excess of the tolerance limits laid down as indicated in **Annexure -I**.
3. The treated trade effluent shall be used on land for irrigation and green belt development in their own land.


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KSPCB**

4. The domestic effluent generated from the existing and proposed expansion activity shall be treated in Sewage Treatment Plant (STP) of capacity 10 KLD and the used treated sewage effluent shall be utilized for toilet flushing and on land for gardening within the factory premises.

B. AIR POLLUTION CONTROL:

1. The discharge of emissions from the additional air emission sources shall pass through the air pollution control equipment and discharged through stacks/ chimneys mentioned in Annexure-II, wherefrom 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.
2. The industry shall upgrade/ modify/ replace the control equipment's if they are found inadequate to meet the standards stipulated. Prior permission of the Board shall be obtained for the same.
3. The industry shall provide port holes for sampling the emissions and access platforms for carrying out stack sampling and provide electrical outlet points and other arrangements for all stacks/chimneys and other sources of emissions so as to collect samples of emissions by the Board or the applicant at any time in accordance with the provisions of the Act and Rules made therein.
4. The applicant shall provide suitable arrangements for scientific storage of biomass fuel to minimize generation of fugitive emission and cause public nuisance.
5. The internal roads shall be asphalted to minimize the generation of dust due to movement of vehicles.
6. The industry shall dismantle the existing 90 TPH, 60 TPH and 14 TPH boilers after commissioning of new 2 x 100 TPH boilers.
7. **Industry shall install continuous Online Emission Monitoring System for monitoring emission of Particulate matter as per CPCB direction and connect the same to CPCB sever before commissioning the boiler.**

C. MOLASSES STORAGE:

1. The applicant shall store the molasses only in steel tanks covered with proper roof and dyke wall around it.
2. Adequate number of steel tanks shall be provided for containment of molasses.
3. Containment of molasses in earthen pits is not allowed.
4. 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,

D. GENERAL CONDITION:

1. The industry shall submit point wise compliance report to the Consent for Establishment (expansion) conditions within 30 days.



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