

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion Circle, Sion (E),
Mumbai - 400 022

Consent No: *Format 1.0/BO/CAC-CELL/RO(Pune)/E/CAC-950*

Date-30/01/2014.

To,
M/s. Shri Sant Tukaram SSK Ltd.,
Kasarsai Sr. No. 17,25,26,2 & Darimbre Sr. No. 146,147,148,149,151,152/1, Kasarsai -
Darumbre, Tal. Mulshi, Dist- Pune.

Subject: Consent to Establish for Expansion of Sugar & proposed Co-generation unit
under RED category.

Ref : 1.Minutes of CAC meeting held on.....

Your application: CE1307000469.

Dated: 03/07/2013

For: Consent to Establish for Expansion of Sugar & proposed Co-generation unit
under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under
Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and
Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is
considered and the consent is hereby granted subject to the following terms and
conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted for a period up to Upto commissioning of the unit or 5 yrs.
Whichever is earlier.
2. The Proposed capital investment of proposed expansion of the industry is Rs.
97.00 Cr. and the capital investment of existing unit is 53.06 Cr.
(As per C.A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/A
1	Sugar	2010 MT/M
2	Pressmud	480 MT/M
3	Molasses	630 MT/M
4	Baggase	4650MT/M
5	Electricity Power (Co-Gen)	15.0 MW

(The cane crushing Capacity of Sugar Industry shall not exceed 500 TCD)

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	47.0	As per Schedule -I	On land for gardening
2.	Domestic effluent	8.0	As per Schedule -I	On land for gardening

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler (85 TPH)	1 no.	As per Schedule -II
2.	D.G. set of 500 KVA.	1 no.	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Fly ash	325 MT/Month	-	Sale to Brick mfg.
2	ETP Sludge	--	--	Soil Conditioning/Manure

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used/ Spent oil	5.1	100	MT/M	Mixed with bagasse	Fired in boiler

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. Industry shall provide separate primary treatment for effluent generation from DM plant.
10. Industry shall have to submit BG of double amount at the time of 1st Operate, if the ETP units are not right sized.
11. As per your application total built up area after expansion is 32000 sqr. mtr. (existing 5 Acres + proposed 3 Acres). Hence Environmental Clearance is required as per the EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.
12. Industry shall submit an affidavit that the operational area of sugar and co-gen plant will be more than 2 km from avg. HFL of Pawana River and that they shall comply with ERZ policy, 13.7.2009.
13. This Consent is issued on the basis of distance certificate issued by Executive Engineer, Irrigation Department Khadakwasla, Pune vide letter 8150/2013 dtd. 23.12.2013 i.e. distance from operational area to average HFL of River Pawana A-II class is 2.60 Km.
14. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

For and on behalf of the
Maharashtra Pollution Control Board

(Rajeev Kumar Mital, IAS)
Member Secretary

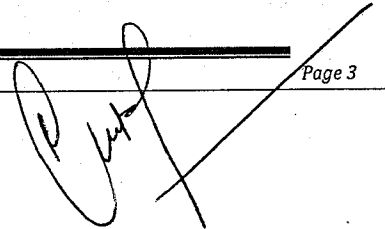
Received Consent fee of-

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	Rs.1,25,100/-	912716	18/05/2013	P.D.C. Co-Op. Bank.

Copy to:

1. Regional Officer MPC Board, Pune.
2. Sub-Regional Officer, M.P.C. Board Pune - II - They are directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website updation purposes.

Maharashtra Pollution Control Board



Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided existing Effluent Treatment Plant (ETP) with the design capacity of 450 CMD and effluent generated from expansion will be treated in the existing ETP.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board (If any)
		Limiting Concentration in mg/l, except for pH
01	pH	5.5-9.0
02	Oil & Grease	10
03	B. O. D.	100
04	C. O. D.	250
05	T. D. S.	2100
06	Chlorides	600
07	Sulphates	1000
08	Suspended Solid	100

C] The treated effluent 47 CMD shall be disposed on own land of 71.66 acres for gardening/irrigation

D] Industry shall provide separate primary treatment for effluent generation from DM plant.

E] CREP conditions for Sugar Factory

- i. Operation of ETP shall be started at least one month before starting of cane crushing to achieve desired MLSS. So as to meet prescribed standards from day one the operation of mill.
- ii. Waste water generation shall be reduced to 100 litres per tone of cane crushed.
- iii. Industry shall achieve zero discharge into in land surface water bodies.
- iv. 15 days storage capacity tank shall be provided for treated effluent to take care of no demand for irrigation.

F] Industry to make necessary arrangement to cover the effluent collection system and to avoid the ingress of Bagasse other material

2) A.] As per your consent application, you have proposed to provide the septic tank & soak pit for disposal of domestic effluent.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

- | | | | | |
|-----|-------------------|---------------|-----|-------|
| (1) | Suspended Solids. | Not to exceed | 100 | mg/l. |
| (2) | BOD 3 days 27oC. | Not to exceed | 100 | mg/l. |

C] The treated sewage 8.0 CMD shall be soaked in a soak pit, which shall be got cleaned periodically.

OR

The treated sewage shall be disposed on land of 71.66 acres for gardening/irrigation.

- 3) The industry shall have bilateral agreement with the farmers on whose land the treated effluent is used for irrigation purposes and a copy of the agreements with validity shall be submitted to the Regional/Sub- Regional Office of the Board.
- 4) The industry shall create Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.

5) CONDITIONS FOR MOLASSES STORAGE:

- (i) The molasses shall be properly collected and stored in steel tanks which shall be leak proof. At no stage of handling of molasses, there shall be leakage or spillage.
 - (ii) The capacity of tanks for storage of molasses shall be such that it will take care of bumper production of sugar, non-lifting of molasses etc.
 - (iii) All the area on which molasses are stored and handled should be provided with drain for diverting the spills to the treatment plant/ molasses tank. Suitable arrangements for accidental discharges of molasses from the tanks shall be provided to contain the same within factory premises.
 - (iv) Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorized officer of the Board. Intimation of intention to destroy or dispose of the molasses shall be given to the Board atleast 15 (fifteen) days in advance by registered post under intimation to the Sub-Regional officer and Regional officer of the Board under whose jurisdiction the factory is situated.
 - (v) The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The tanks size and capacity per cm, height, total capacity in \square ones shall be displayed prominently near/on the tank.
 - (vi) The above conditions shall be in addition to and not in derogation of the provisions contained in the "Bombay Molasses Rules, 1955" and "Maharashtra Molasses Storage and Supply Regulation, 1965".
- 6) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	05.0
2.	Domestic purpose	10.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	50.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	-

- 7) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act,1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

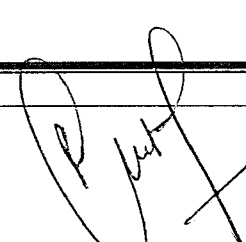
1. As per your application, you have proposed to install the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boiler (85 TPH)	ESP	70	Bagasse	30 MT/Hr.	0.2	2880
2	D.G. set of 500 KVA.	--	1.5 Above roof	HSD	60 Ltrs./D.	1.0	1.2

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³ .
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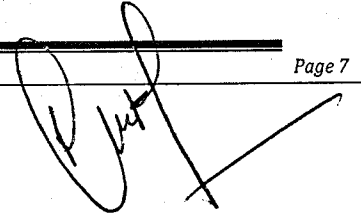
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E	10/- Lakhs	15 days.	Compliance of conditions of Environmental Clearance and Consent to Establish.	Obtaining EC	1 year

Maharashtra Pollution Control Board



Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 5) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 7) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled
- 9) /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 10) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 11) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 12) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 13) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

