

**SHREE RENUKA SUGARS LTD, UNIT-I**

**Survey No.367/1, Village, Munoli, Soundatti Taluka, Belgagavi- 591117**

Date: 24/12/2019

**SUB: Compliance to the consent for Establishment for the expansion of Distillery from 60 KLPD to 120 KLPD**

**Ref: Consent for establishment order No: CFE-EIA/SRSL/EIA-414/2006-07/86 dated 17<sup>th</sup> June 2006**

**TERMS AND CONDITIONS**

Board accorded the consent for establishment for expansion of distillery unit from 60 KLPD to 120 KLPD considering there is no increase in pollution load consequent to the increase in production, subject to the following conditions

<b>SL. NO</b>	<b>CONDITIONS</b>	<b>COMPLIANCE</b>
1	The applicant shall keep Ministry of Environment (MOEF) informed as per the EIA Notification Dated 27.01.1994 ( vide explanatory note)	We have informed the Ministry of Environment and forest (MoEF) about CFE for expansion of distillery from 60 KLPD to 120 KLPD. The letter to MoEF is attached As <b>Annexure -I</b>
2	The applicant shall not undertake expansion/diversification/modernization, change of location of site etc. without prior clearance from the board	Noted the condition and same will be followed.
3	In event of the resultant pollution load generated from the expansion exceeds the existing pollution load as committed by the industry, at any point of time under any circumstances after commissioning of the plant, the board reserves the right to withdraw the consent for establishment issued to the industry and will have to direct the industry to follow the procedure as laid under EIA Notification 1994.	Noted the condition and we will ensure and adhere to the pollution load mentioned and if increased we will follow the procedure laid down in EIA Notification 1994.
<b>I</b>	<b>Water pollution Control:</b>	
1	The applicant shall comply with all the consent conditions stipulated in consent issued by the board under the Water Act and Air Act respectively vide consent order No. KSPCB/17 CAT/WPC/RENUKA/2005-06/124, dated 27.07.2005 and No.KSPCB/17 CAT/APC/RENUKA/2005-06 123,	The conditions mentioned in the consent orders are compiled and the compliance report is submitted the Board regional as well Bangalore office.

2	dated 27.07.2005. The total quantity of water consumption shall not exceed 734 KLD and trade effluent generation (spent wash ) shall not exceed 360 KLD and spent lees shall not exceed 260 KLPD after expansion and pollution load shall remain within consented capacity	The water consumption is 270 KLD and Spent wash generation is 3 liters per liter of alcohol production and total generation is 360 KLD. The spent lees generation is 260 KLPD.
3	The spent wash so generated should be completely treated in RO plant and Compost to produce manure and the spent lees should be taken to sugar plant for imbibition's	The spent wash generated is further evaporated in MME and concentrated spent 360 KLPD is used in compost and the process condensate and spent lees obtained is treated in the CPU and reused for the cooling tower make up and fermentation process.
4	There shall not be any discharge of treated /untreated effluent either inside /outside the factory premises	The entire spent wash generated is used in compost and process condensate and spent lees after treatment in CPU is used for cooling tower make up and in process.
5	Industry has to establish new Reverse Osmosis of capacity 450 M3 per day to treat spent wash generated from the process	Earlier the Reverse Osmosis was there, then we have shifted to the more foolproof technology of Multi Effect Evaporators for the concentration of the spent wash. The process condensate generated and spent lees is treated in CPU.
6	If the treatment plants do not achieve the effluent standards stipulated as per the consent order or if it is found to be inadequate or if the standards are revised from time to time , then the industry shall have to modify the unit so as to meet the standards with prior consent of the board.	Noted the condition and will be followed as per the directions.
7	The entire compost yard will be provided with RCC lining within 1 year	The entire compost yard is RCC lined.
8	The spent wash generated is first concentrated in re-boiler and then fed to R.O plant. The industry shall monitor the efficiency of R.O regular basis and submit the report to the Board	The spent wash generated is now first fed to re-Boiler and then to the Multi effect evaporator to concentrate and the process condensate and spent lees is treated in CPU the half early compliance is being submitted to Regional office.
9	The entire compost yard , storage yard for raw material and composted material should be concreted to prevent ground water pollution.	The entire compost yard is concreted. The entire compost yard is vacated before rainy season. If some raw material left unused is stored properly on concreted compost yard and cover with the HDPE tarpaulin to prevent the rain water entry into the raw material.

10	The applicant shall provide sufficient land for storage of extra press mud for expansion including the press mud brought from other sugar mills.	About 4.5 acres land is provided for the press mud storage.
11	The entire yard should be provided with proper garland canal ,impervious leachate tank and other facilities to avoid percolation of waste water and contamination of the ground pollution	The entire yard is provide with the garland canal system, leachate pits and storm water collection tanks. The entire system is impervious.
<b>II</b>	<b>Air Pollution Control</b>	
1.	There shall not be any additional Air pollution sources from the expansion of the distillery from 60 KLD to 120 KLPD	There is no any additional air pollution source due to expansion of distillery. The existing boilers are used to generate the steam.
2	Carbon di –oxide which contains traces of ethanol vapors should e scrubbed with water and recycled to the fermenter	CO2 scrubber is provide and scrubbed water is added in the fermenter
3	There shall not be any increase in the fugitive emission from the increase in production and there shall not be any increase in the total emission load into atmosphere due to expansion activity.	There is no increase in fugitive emission and total emission due to the expansion activity.
4	The applicant shall take necessary efforts to control odor nuisance caused due to emission form the industry	As spent wash is aerobically composted the odor is gets minimizes due to aerobic decomposition.
5	There shall not be any complaint against the industry about water pollution, air pollution and odor nuisance and if any, industry shall take necessary measures to control the nuisance.	Necessary control measures are taken to control the water pollution, air pollution and odor nuisance as per the consent conditions.
<b>III</b>	<b>Solid Waste/Hazardous Waste Management:</b>	
1	The spent sludge generated from the fermenter should be mixed with press mud and used for composting to produced manure	The spent sludge is being mixed with press mud And used for composting to prepare manure.
2.	The quantity of Hazardous waste shall not exceed authorization issued under Hazardous Waste (Management &Handling )KSPCB/HWMC/AEO/EO/SEO/- I/2002-03/895 dated 01.06.2002	Noted and will ensue that the quantity of Hazardous waste not exceeds.
3	The applicant shall abide by the conditions stipulated in the	Noted the condition and same will be followed.

	authorization issued under Hazardous Waste (Management & handling ) Amended Rules ,2003 , Vide No.KSPCB/HWMC/EO/SEO/-I/2002-03/895 dated 07.08.2002 valid up to 5 years 01.06.2002	
<b>IV</b>	<b>General</b>	
1	The applicant is liable to restore , damage or destroyed elements of environment at its cost failing which , the applicant/ Occupier shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by Competent Agency or Committee	Noted the condition
2	The industry shall not commission the production expansion for trail or regular unless all the facilities as proposed in the de-bottlenecking is installed to the satisfaction of the Board	Noted the condition and the all the facilities proposed in the debottlenecking are installed.
3	The applicant shall not change or alter (a) raw materials or manufacturing process (b) change products or product mix (c) the quality, quantity or rate of discharge/ emission and (d) install/alter the water or air pollution control equipment's without prior approval of the Board	Noted the condition and agreed.
4	The applicant shall provide all necessary healthcare facilities to workers and shall carry out routine health survey among workers tests like Spirometry, Pulse, Oximetry, Lung function test, etc. shall also be carried out at regular interval under the supervision of Expert Medical Practitioner.	Noted the condition and regular health checkup survey for employees carried out and records are maintained.
5	The applicant shall immediately report to the Board of any accident act or event resulting in release of discharge of effluent or emissions or solid waste etc. , in excess of the standards stipulated , and the applicant shall immediately take appropriate corrective and preventive actions under intimation	Noted the condition and same will be followed in case of such a event.

6	The industry shall comply with all the suggestions / recommendations made by the consultants during the preparations of the report and the suggestions made during the TAC meetings.	The recommendations and the suggestions of the consultant and TAC committee are implemented.
7.	The applicant shall comply with all the Rules issued under statue and guidelines issued by the competent authority regarding environment safeguard from time to time	Noted the condition and guidelines will be followed to safeguard the environment
8	The Board reserves the right to review , impose additional condition or conditions , revoke, change or alter the terms and conditions	Noted the condition and Agreed
9	This CFE does not give any right to the Industry to forgo any legal requirement , which is necessary for setting/operations of the plant	Noted the condition and same will be followed.
10	Exact date of commissioning of the plant at increased capacity shall be informed to the Board 30 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the industry	Noted the condition and commissioning date will be communicated 30 days in advance for inspection of pollution control facilities.
	The applicant shall have a valid consent for Operation for operating the plant at increased production by making application for consent along with prescribed consent fee. The application for consent has to be made 45 days in advance before taking up the actual production in the increased capacity	Noted the condition and application for CFO will be submitted 45 days before the start of production.