

**Pointwise Compliance
towards Conditions in
Environment Clearance
Granted to 30 KLPD
Distillery**

Brief Summary of the Project

1. Name of Industry : **KumbhiKasari Sahakari Sakhar Karakhana Ltd.**
2. Name of Project : **30 KLPD Molasses based Distillery**
3. Address for Correspondence : KumbhiKasari Sahakari Sakhar Karakhana Ltd., Kuditre, Tal- karveer, Dist Kolhapur. Maharashtra.
4. Environmental Clearance Letter No. & Date : ENV (NOC) 1087/141/CR-28/D-I Dated 27th October 1988 for to 30 KLPD molasses based distillery.
5. Location: District & State/UT : Dist.: Kolhapur, State.: Maharashtra

Kumbhi Kasari Sahakari Sakhar Karakhana Ltd. is a 30 KLPD Molasses based Distillery. The project site is located at a distance of about 13.6 Km from Kolhapur. Recent development in distillation is being adopted by factory (Multipressure distillation) and has started the production from December 2012. Earlier, most of product is to be sold out for industrial purpose. In 2012 factory modified old 30 KLPD atmospheric distillation system to advance multi pressure distillation system to reduce the pollution load Due to this modification spentwash generation is around 255 cum per day as against earlier 360 cum per day. This has helped us to meet the requirement of the filler materials and convert all the spentwash in composting process to make manure. Last activity was started 17.11.2017 and stopped on 12.04.2018. Total alcohol production from distillery is 41, 77, 723 Lit.

Point wise compliance status to each and every stipulation along with necessary supporting documents as mentioned in Environmental Clearance granted by MoEFCC ; New Delhi IA Division vide letter no: ENV (NOC) 1087/141/CR-28/D-I Dated 27th October 1988.

A. 'GENERAL CONDITIONS' in the Clearance Letter:

Condition No.1: Distillery should adopt one of the following three technologies of treatment and disposal of spent wash as mentioned below.

- a) Concentration and incineration process.
- b) Methane Bio-digester followed by composting.
 - i) Biological Oxygen Demand (BOD) of the effluent after digestion shall not be more than 8000 mg//lit.
 - ii) Composting shall be executed in a scientific manner as will be prescribed by MPCBin its consent conditions
- c) Anaerobic open lagoon followed by composting.

- i) Lagoons shall be constructed impervious to avoid any leachate and percolations if necessary, by using polyethylene lining.
- ii) Biological Oxygen Demand (BOD) after lagooning method for composting shall not be more than 8000 mg/ltr.
- iii) Composting shall be executed in a scientific manner as will be prescribed by Maharashtra Pollution Control Board in its consent order.

Compliance: The spent wash to the tune of 255 M³/day is generated from existing distillery operations. This spent wash is first subjected to primary treatment in Bio-digester then forwarded to composting along with pressmud and other filler material. HPDE liners of 5 micron followed by briquette lining are done for all the tanks. Also, the compost yards of 7 acres provided as per CREP Norms. Composting is done scientifically, Aero tiller machines are used to mix the spent wash with press mud & filler material. Monitoring of spent wash after digester is regularly carried by industry.

Total 5 Nos. Storage Tanks with 30 Days Storage capacities (10800 M³) are provided on site. The same has been designed as per CPCB's technical guidelines. The details of same are as following.

Spent wash holding tank details

Sr. No	Spentwash Holding tank	Size (Mtrs)	Total volume (cum)
1.	Tank No. 1	40x40x1	1600
2.	Tank No. 2	40x40x1	1600
3.	Tank No. 3	60x35x3	6300
4.	Tank No. 4	35x20x0.75	525
5.	Tank No. 5	40x15x1	600
		Total holding capacity	10800

Refer **Annexure -IX** for photographs of Molasses storage tank, Bio-methanation plant & composting site.

Condition No.2 The Maharashtra Pollution Control Board may suitably modify the various terms and conditions of the consent and may impose additional conditions and as may be desired and necessary depending on the location. The distillery should strictly comply and inform the compliance of conditions before commencement of production to Maharashtra Pollution Control Board.

Compliance: Distillery is strictly comply the terms and conditions imposed in the consent issued by Maharashtra Pollution Control Board.

Condition No.3 Tree plantation program should be undertaken as indicated in the consent letter granted by Maharashtra Pollution Control Board, on the factory land, in consultation with the Forest Department of the State Government.

Compliance: The total plot area under Sugar & co-gen and distillery is 2, 38,210.00 Sq.m and About. is for Green Belt Development area is 78610.00 Sq.m. comprising 2005 no. of trees. Additional 3000 no. of trees would be planted before in ensuing monsoon. **Annexure - III** showing photographs for existing green belt developed and list of trees planted onsite.