



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

**SPEED POST**

CP-14/20/2023-IPC-III-HO-CPCB-HO | 5671 October 25, 2023

To

M/s Shree Sayan Vibhag Sahkari Khand Udhog Mandli Ltd,  
(Distillery Unit), At & Post: Sayan, Olpad,  
District Surat Gujarat-394130

**SHOW CAUSE NOTICE UNDER SECTION 5 OF THE ENVIRONMENT  
(PROTECTION) ACT, 1986**

**WHEREAS**, Distilleries are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

**WHEREAS**, the Central Government has notified the standards for discharge/emission of environmental pollutants from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed there under; and

**WHEREAS**, it is obligatory on the part of industries to install effluent treatment plants (ETPs) and air pollution control devices (APCDs) to comply with the effluent discharge and emission standards as notified under the Environment (Protection) Act, 1986 and the Rules framed there under and also to meet the consent conditions granted by State Pollution Control Board (SPCBs)/ Pollution Control Committees (PCCs); and

**WHEREAS**, a team of officials from CPCB, Regional Directorate, Vadodara inspected **M/s Shree Sayan Vibhag Sahkari Khand Udhog Mandli Ltd** (hereafter referred to as 'the Unit') on 14.06.2023 under OCEMS Surveillance programme (SMS Alerts/Offline Status). The major observations made by the inspection team during the visit are as follows:

- The Unit had obtained common CC&A for Sugar and Distillery plant vide GPCB order dated 11.07.2018 which was expired on 30.05.2023. The industry has applied for renewal of CC&A vide application dated 19.04.2023.
- As per CC&A, the Unit is permitted to manufacture Industrial alcohol @1350 KL/month and absolute alcohol @1200 KL/month.
- During the visit, Sugar and Distillery Units were non-operational. Therefore, monitoring of source emission and wastewater could not be carried out during the inspection.
- As per requirement, Industry has installed one PTZ web camera in compost yard and two electromagnetic flow-meters. However,

'परिवेश भवन' पर्वी अर्जुन नगर, दिल्ली-110032

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दूरभाष/Tel: 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

- the calibration record of both the flow meters are not available with the industry.
- As informed, about 335 M3 spent wash (spent wash-290 m<sup>3</sup> and 46 m<sup>3</sup> spent lees) is generated per day and out of 335 M3 about 130 m<sup>3</sup> spent wash is reused in the fermenter as dilution water and remaining spent wash is treated in the effluent treatment system comprising of spent-wash collection tank, intermediate holding tank, cooling system for spent-wash, anaerobic digesters followed by bio-composting.
  - The treated spent-wash is collected in the treated spent-wash storage lagoon made of concrete lining with holding capacity of 7612.0 M3.
  - As per data provided by the industry, the generation of spent-wash is 9.50 KL/KL of alcohol production.
  - The Unit has provided two open bio compost yards. As informed, total area of both the bio compost yard is 11.0 acre. The floor of the bio compost yard is made-up of concrete paver blocks. Paver blocks may not be sufficient to prevent percolation of spent wash leading to contamination of ground water. Provision of leachate collection system is not provided in the bio-compost yard.
  - The Unit has not provided designated storage shed for press mud. Presently, Unit takes press mud from the sugar unit for bio composting.
  - The Unit has provided 03 numbers of integrated rotary tilling machines with 5000 litre tank capacity for the purpose of spraying of treated spent wash and for making wind rows in bio-composting process.
  - The Unit has not provided piezometers in the compost yard to monitor the impact of bio-composting on ground water quality.
  - The Unit has provided two bore wells in its premises for fresh water requirement and logbook is maintained for the quantity of water abstracted. Industry had applied to CGWA for issuance of NCC to abstract groundwater vide application dated 13.10.2022. Application is under consideration at CGWA since October, 2022.
  - An earthen pond of wastewater observed near the treated spent-wash storage lagoon. Traces of the spent-wash with part of sludge is flown in the earthen pond. The Unit should expeditiously remove all unlined earthen pond to prevent any further contamination of soil and ground water.
  - The boiler ash was stored openly in ash storage yard. The Unit has not provided water sprinkling system in the ash storage area.

**WHEREAS**, as evident from the above observations made by the inspection team, the Unit [M/s Shree Sayan Vibhag Sahkari Khand Udhog Mandli Ltd.] (Distillery unit) is violating the protocol of CPCB with respect to storage of effluent. The storage of spent-wash in earthen pond may be lead to groundwater contamination. The Unit has not provided piezometers in the compost yard to monitor groundwater quality and also not provided impervious base in Bio-composting yard as floor of the bio-compost yard is made-up of

concrete paver blocks. The paver blocks may not be sufficient to prevent percolation of spent-wash leading to contamination of ground water and leachate collection system is not provided in the bio-compost yard; and

**WHEREAS**, the Ministry of Environment, Forest, & Climate Change, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board, to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986 and other standards and norms; and

**NOW, THEREFORE**, in view of the observations and exercising the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, notice is hereby served to the Unit [**M/s Shree Sayan Vibhag Sahkari Khand Udhog Mandli Ltd. (Distillery unit)**, Surat, Gujarat] to show cause why all the manufacturing operations of the Unit should not be closed down till it complies with the following:

1. The spent-wash shall only be stored in an impervious and lined lagoon of 30 days storage capacity, constructed for bio-composting purpose and no spillage should occur out of the lined lagoon. The lagoon shall be duly lined with 250 micron HDPE sheet and pitched by stone/brick with cement mortar to prevent leachate.
2. To submit a time bound action plan for dismantling of unlined/earthen lagoon (s) in a scientific manner to CPCB and GPCB. The sludge and effluent shall be disposed of scientifically and complete sludge & effluent disposal report along with documentary evidence shall be submitted to CPCB and GPCB.
3. To ensure provision of impervious base in the compost yard instead of paver blocks base so as to prevent any percolation of spent-wash and contamination of groundwater. Also provide leachate collection system for the collection of leachate, if any in the bio-compost yard.
4. To install at least three number (one at upstream and two at downstream of groundwater flow direction) of piezometers around spent-wash storage lagoon.
5. To carry out the Soil and Groundwater quality assessment within the premises of the Unit & outside the plant premises too as reference location/background sampling location and submit the report to CPCB and GPCB.
6. To provide fixed HDPE pipeline for conveying the spent-wash instead of flexible pipelines.
7. To ensure the flow-meters shall be periodically calibrated as per the requirement of the instrument and certificates of the same be available with the Unit.

8. The Unit shall provide proper covered shed for boiler ash and water sprinkling system in the ash storage area.

You are hereby given an opportunity to file your reply / objections (if any) on a duly notarized stamp paper to the above proposed direction within 15 days from the receipt of this notice, failing which it will be presumed that you have nothing to say and appropriate action, in accordance with the provisions of the Environment (Protection) Act, 1986, will be taken against the Unit without giving any further notice.

13<sup>th</sup> 25/10/23  
(TANMAY KUMAR)  
CHAIRMAN

Copy to:

1. The Chairman,  
Gujarat Pollution Control Board,  
Paryavaran Bhavan,  
Sector-10A, Gandhi Nagar-382  
010, Gujarat  
For information & ensuring  
compliance of above  
direction including  
impervious lining of  
lagoons please.
2. The Director,  
(CP Division),  
Ministry of Environment,  
Forests & CC, Prithvi Block,  
Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi - 110  
003  
For information please
3. The Regional Director,  
Regional Directorate-  
Vadodara, Parivesh Bhawan,  
Opp. Ward No. 10 VMC Office  
Subhanpura, Vadodara- 390  
023  
For follow-up and ensuring  
compliance please
- ✓ 4. The Div. Head, IT Division, CPCB  
Delhi  
For uploading in the  
website please

  
(BHARAT KUMAR SHARMA)  
MEMBER SECRETARY