



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

By Speed Post

CP-11/25/2024-IPC-III-HO-CPCB-HO 3741

August 29, 2024

To,

The Member Secretary,
Maharashtra Pollution Control Board,
2nd, 3rd & 4th Floor,
Opp. Cine Planet, Near Sion Circle,
Sion (E), Mumbai- 400022

Directions under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 in the matter of M/s. Shri Gurudatt Sugars Ltd, Gat No. 61/A, Akiwat Takaliwadi Road, Takaliwadi, Shirol, Kolhapur district, Maharashtra -reg.

WHEREAS, Sugar and 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 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) to comply with the effluent discharge 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, M/s Shri Gurudatt Sugars Ltd, Gat No. 61/A, Akiwat Takaliwadi Road, Takaliwadi, Shirol, Kolhapur district, Maharashtra (hereafter referred as 'The Unit') is engaged in production of Rectified Spirit/Denatured Spirit with consented capacity of 225 KLD and Sugar with consented capacity of 21600 MT/Month. The inspection of the Unit was carried out on 19.02.2024 by the team of Central Pollution Control Board (CPCB) under the 'Environmental Surveillance of 17 categories of high pollution potential industries and common facilities based on online continuous effluent monitoring system (OCEMS) alert programme'. Following are the non-compliance/shortcomings observed during the visit:

Sugar plant of the Unit:

1. The untreated effluent was being allowed to flow onto the land near the CPU &

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- sludge drying beds of the ETP due to which, there is possibility of contamination of the soil and the groundwater of the area.
2. The samples were collected from the point of outlet at the Land Irrigation and the analysis result indicates that **BOD is 120 mg/l** (against 100 mg/l) and **COD is 396 mg/l** (against 250 mg/l) at the irrigation point.
 3. The variation of OCEMS data against lab analysis data found to be 232%, 62% & 78% for TSS, BOD and COD respectively.
 4. During the visit, spillage from the molasses storage tank was observed and unattended flow of such highly organic load wastewater has potential to impact the quality of soil and groundwater.
 5. The team collected the groundwater samples from bore well and open well outside the industry premises and analysis result showed COD values as 24 mg/l and 32 mg/l respectively which indicates the possibility of groundwater contamination.
 6. The Unit has not provided the necessary isolated hazardous waste storage area.
 7. The Unit has not installed the mandatory hazardous waste display board at the entrance gate.
 8. The fly-ash and Bagasse was stored in open area without any precaution to control the fugitive emission.
 9. The Unit has not prepared irrigation management plan to use treated water for irrigation purpose.

Distillery plant of the Unit:

1. The lab analysis result of the RO permeate shows TDS-364 mg/l, BOD-245 mg/l & COD-848 mg/l. The Unit informed that the RO treated effluent (RO permeate) is reused in the process, however, the utilization of such high BOD, COD concentration water is doubtful.
2. A large quantity of foam was observed on the surface of the clarifier in the condensate polishing unit (CPU) plant. The foam has covered almost entire surface area and overflowed onto nearby land. The soil condition of the adjacent area indicates that spillage of the effluent is a regular phenomenon.
3. As per the condition of Environmental Clearance (EC) dated 27.12.2022, the Unit has to install own brick manufacturing unit. However, no related activities was found during the inspection.
4. According to the MPCB Authorization, the Unit generates only one type of hazardous waste, which is Used Oil /Spent Oil (10 Ltr / month) categorized under Cat 5.1. However, none of this quantity had been sold to authorized recycler, hence, the possibility of its disposal through unauthorized means cannot be ruled out. The used chemical containers are not listed as hazardous waste in the Authorization issued by MPCB.
5. The Unit has not provided the necessary isolated hazardous waste storage area and has also not installed the mandatory hazardous waste display board at the entrance gate.

Direction under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act,1981.



WHEREAS, it is evident from the above observations that the Unit is non-complying with discharge standards for land application and there is possibility of contamination of groundwater and found no dedicated storage area for storage of hazardous waste, improper operation of CPU, no irrigation management plan etc.; and

NOW, therefore, in exercise of the powers conferred under Section 18(1) (b) of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981; the **Maharashtra Pollution Control Board (MPCB) is hereby directed to take appropriate action against the Unit** [M/s. Shri Gurudatt Sugars Ltd., Akiwat Takaliwadi Road, Takaliwadi, Shirol, Kolhapur, Maharashtra] **and ensure compliance of the following in a time bound manner:**

For Sugar plant of the Unit:

1. Comprehensive groundwater monitoring including soil within the industry and surrounding area including molasses storage area & CPU area and irrigation/land application area, through reputed institute, be carried out to ascertain the groundwater and soil quality of the area. Further, remediation work required, if any, be also suggested by such institute and the Unit shall carry out the same in a time bound manner.
2. No spillage of wastewater from the molasses storage tanks and also no untreated effluent be allowed to be discharge onto the land near condensate polishing unit (CPU) and Unit shall take all the preventive measures in this regard.
3. The Unit shall upgrade/operate properly the effluent treatment plant and shall ensure that the treated effluent discharged from the Unit meets the prescribed standards.
4. The Unit shall prepare and submit Irrigation Management Plan (IMP) to MPCB for use of its treated effluent in irrigation as per the CPCB guidelines on "Utilization of treated effluent in irrigation" and MPCB shall verify and incorporate the recommendations of the Irrigation Management Plan as conditions of Consent to Operate granted to the Unit.
5. The Unit shall provide dedicated storage area for storage of the Hazardous Waste & other Waste.
6. The Unit shall maintain logbook records for the generation and disposal of Hazardous & other Waste and shall dispose of the Hazardous Waste (used Oil) as per the consent conditions.
7. The Unit shall store the fly-ash and Bagasse in covered area and shall take necessary measures to control the fugitive emission.
8. The Unit shall ensure calibration of the Online Continuous Effluent Monitoring System devices as per SOP of service provider and shall submit the calibration report to MPCB.
9. The Unit shall install the environmental data display board including hazardous waste data at the entrance of the gate for both Sugar & Distillery units and update the data regularly.

Direction under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981.



For Distillery plant of the Unit:

1. The Unit shall take necessary actions/measures about the issue of large foam formation on the surface of clarifier of CPU and shall ensure no spillage of effluent on the ground and effluent from CPU does not reach the nearby land.
2. Necessary measures be taken to ensure that RO permeate is reused in the process ensuring its quality.
3. The Unit shall provide dedicated storage area for storage of the Hazardous Waste & other Waste.
4. The Unit shall maintain logbook records for the generation and disposal of Hazardous & other Waste and shall dispose of the Hazardous Waste (used Oil, used chemical container etc.) as per the consent conditions.
5. The Unit shall ensure calibration of the Online Continuous Effluent Monitoring System devices as per SOP of service provider and shall submit the calibration report to MPCB.

The action taken report shall be sent by MPCB to the CPCB within 30 days from the date of receipt of these directions. MPCB shall also acknowledge the receipt of these directions to CPCB within 15 days from the date of the receipt.


(BHARAT KUMAR SHARMA)
MEMBER SECRETARY

Copy to:

1. **The Chairman,**
Maharashtra Pollution Control Board
2nd, 3rd & 4th Floor,
Opp. Cine Planet, Near Sion Circle,
Sion (E), Mumbai- 400022 : For information and necessary
action, pl.
2. **The Regional Director,**
Regional Directorate
Central Pollution Control Board,
Survey No. 110, Dhankude Multi Purpose Hall,
Baner Road, Baner, Pune - 411045 : For information & follow up
please.
3. **The Director, (CP Division),**
Ministry of Environment, Forests & CC,
Prithvi Block, Indira Paryavaran Bhawan, Jorbagh
Road, New Delhi - 110 003 : For information, pl.
4. ✓ The Div. Head, IT Division, CPCB Delhi : To upload direction at CPCB
Website, pl.
5. The Div. Head, IPC-VI, Division, CPCB Delhi : For information, pl.


(BHARAT KUMAR SHARMA)

Direction under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981.

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