



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

F. No. CP-11/54/2023-WQM-II-HO-CPCB-HO 4923

Date: 10.10.2023

To,

M/s Dwarikesh Sugar Industries Ltd, (Distillery Unit),  
Unit-Dwarikesh Nagar P.O-Bundki,  
Tehsil-Nagina, Distt- Bijnor

**DIRECTIONS UNDER SECTION 5 OF ENVIRONMENT (PROTECTION) ACT, 1986 -reg.**

**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**, the Ministry of Environment, Forest and Climate Change, Govt. of India, vide its notification S.O.157(E) dated 27.02.1996, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue directions to any industry, Municipal Corporation, Municipal Council, Cantonment Board, 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

**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 thereunder and also to meet the consent conditions granted by State Pollution Control Board (SPCBs)/Pollution Control Committees (PCCs); and

**WHEREAS**, M/s Dwarikesh Sugar Industries Ltd. (Distillery Division), Bijnor (herein after referred as "the Unit") is involved in the production of Ethanol with consented capacity of 182 KLD using b-heavy molasses and 130 KLD using c-heavy molasses; and

**WHEREAS**, CPCB issued directions dated 07.12.2015 under Section 18 (1)(b) of Water (Prevention & Control of Pollution) Act, 1974 to UPPCB that industries opting for concentration incineration system shall restrict impermeable storage of spent wash at any stage, to 07 days equivalent of production and excess storage facilities beyond this shall be levelled /dismantled; and

**WHEREAS**, the unit was inspected by CPCB officials on 25.07.2023 under the 'Environmental Surveillance of 17 categories of high pollution potential industries and common facilities, based on OCEMS data programme' and following observations were made:

1. The unit is involved in the production of Ethanol with consented capacity of 182 KLD using b-heavy molasses and 130 KLD using c-heavy molasses.
2. The unit was found non-operational at the time of inspection and it was informed that it is non-operational since 18.07.2023 due to its personal reasons.
3. The unit has obtained Consolidated Consent to Operate and Authorization (CCA) under the Water (P & CP) Act, 1974 and the Air (P & CP) Act, 1981 valid upto 31.12.2027.
4. The unit meets its fresh water requirements using three borewells and has obtained NOC from Ground Water Department, Government of Uttar Pradesh.

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5. The unit is having two distillation plant with capacity 100 KLD (Unit-1) and 30 KLD (Unit-2) with 02 MEE.
6. For achieving ZLD in Molasses based plant, the unit has installed, 02 nos. Multi Effect Evaporator (MEE) followed by Incineration boiler and RO based CPU.
7. The unit has installed 2 Multi Effect Evaporators (MEE) having capacities of 37 kl/hr and 5.80 kl/hr for unit 1 and 2 respectively.
8. It was observed that for management of concentrated spent wash (also known as Slop), the unit has installed slop fired incineration boiler of 60 TPH capacity. However, both MEE and slop fired boiler were found non-operational due to maintenance at the time of visit.
9. For storage of raw/conc. spent wash, the unit has 03 impermeable lagoons of capacity 9000 m<sup>3</sup> (01 nos.) and 750 m<sup>3</sup> (02no.) and samples from all the three lagoons were collected by the team.
10. Samples were collected from lagoon having capacity of 750 m<sup>3</sup> which had approx. 375 m<sup>3</sup> of spent wash stored. As claimed by the unit representative, the lagoon contained concentrated spent wash. However, the analysis results of the sample showed pH- 4.83, BOD- 41467 mg/l, SS- 2409 mg/l, COD- 77163 mg/l, which does not reflect the characteristics of concentrated spent wash.
11. The team has also collected samples from two other lagoons of capacity of 750 m<sup>3</sup> and 9000 m<sup>3</sup> respectively having characteristics of pH- 7.14, SS- 44.6 mg/l, BOD- 1750 mg/l and COD- 3193 mg/l (Lagoon 1) & pH- 7.33, SS- 6.2 mg/l, BOD- 48 mg/l and COD-213 mg/l (Lagoon 2) which indicates that unit has stored industrial effluent in both the lagoons.
12. The unit has installed Condensate Polishing Unit (CPU) for treatment of other process effluent. The treated effluent from CPU after UV stage was being used in the process, RO permeate was being used for make up in cooling tower and RO reject was being fed into MEE. During inspection, only aeration tank was found operational. Samples collected from aeration tank show MLSS- 2389 mg/l and MLVSS -2014 mg/l.
13. The unit has installed Online Continuous Emission Monitoring System (OCEMS) at boiler stack which is connected to CPCB/SPCB server.
14. The unit has provided monkey ladder in boiler stack which is observed unsafe for stack monitoring.
15. The unit has attached a stack of height 70 m with its slop fired boiler and has installed bag filter as Air Pollution Control Device. Ash handling system of slop boiler was very poor.
16. The unit has not provided display board outside factory main gate as per Hon'ble Supreme Court order dated 14.10.2003 in the matter of Writ Petition (C) No. 657/1995 (Research Foundation for Science, Technology and Natural Resource Policy vs Union of India & Ors.)

**AND WHEREAS**, as per connectivity verification done by CPCB on 26.09.2023, it was found that the unit has provided connectivity of PTZ camera and flowmeter with CPCB server; and


**It is evident from the above observations that the unit is storing raw spent wash in lagoon of capacity 750 KL and industrial effluent in other two lagoons of capacities 750 KL and 9000 KL which is in violation of CPCB direction dated 07.12.2015.**

**NOW, THEREFORE**, based on above observations and in exercise of powers, delegated to the Chairman, CPCB under Section 5 of the Environment (Protection) Act, 1986, the unit, **M/s Dwarikesh Sugar Industries Ltd. (Distillery Division), Bijnor** is hereby directed to **Show Cause as to why the unit should not be closed down** for non-compliance to ZLD norms till the compliance of following directions:

1. The unit shall stop the practice of storing raw spent wash in the lagoon.

2. The unit shall restrict its lagoon capacity upto 07 days of concentrated spent wash i.e. less than 3100 KL and only concentrated spent wash with more than 45% solid concentration shall be stored in lagoon for use in incineration. Excess lagoon capacity shall be filled/dismantled/levelled under the supervision of UPPCB.
3. The unit shall submit details of spent wash emptied from lagoons such as volume of spent wash used, solid content, press mud used, MEE operation, condensate generated, compost produced etc.
4. The unit shall provide proper stack monitoring facility in boiler stacks as per CPCB guidelines.
5. The unit shall ensure regular calibration of OCEMS and carry out calibration as per CPCB guidelines.
6. The unit shall install environmental display board at the main gate as per Hon'ble Supreme Court order dated 14.10.2003 in the matter of Writ Petition (C) No. 657/1995 (Research Foundation for Science, Technology and Natural Resource Policy vs Union of India & Ors.).
7. The unit shall prepare proper action plan for handling of ash and provide covered system for control of fugitive emission.
8. The unit shall submit duly notarized point wise reply along with measures taken in compliance to all points mentioned above along with time bound action plan.

You (M/s Dwarikesh Sugar Industries Ltd. (Distillery Division), Bijnor) are hereby given an opportunity to file your objections (if any) to the above direction within 15 days from the receipt of this notice, failing which appropriate action will be taken against the unit without giving any further notice in accordance with provisions of the Environment (Protection) Act, 1986.

  
 (TANMAY KUMAR)  
 CHAIRMAN

**Copy to:**

1. Additional Secretary (CP Division)  
Ministry of Environment, Forests  
& Climate Change,  
Indira Paryavaran Bhavan, Jor Bagh Road,  
New Delhi - 110 003
2. Member Secretary  
Uttar Pradesh Pollution Control Board,  
Building No. TC-12V, Vibhuti Khand,  
Gomti Nagar, Lucknow-226 010  
Uttar Pradesh
3. Regional Director,  
Regional Directorate Lucknow,  
Central Pollution Control Board,  
PICUP Bhawan, Vibhuti Khand,  
Gomti Nagar, Lucknow,  
Uttar Pradesh- 226010
4. Divisional Head, IT Division, CPCB
5. Master copy WQM-II, CPCB

For kind information

For necessary action for  
compliance of directions

For kind information

For uploading on CPCB's website

  
 (BHARAT KUMAR SHARMA)  
 MEMBER SECRETARY