



By Speed Post

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

Date: 12.03.2024

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To,

M/s Simbhaoli Sugars Ltd. (Hapur Distillery)
Dist. Hapur (U.P.)-245101

SHOW CAUSE NOTICE 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 Simbhaoli Sugars Ltd., Unit-Hapur, (herein after referred as "the Unit") is involved in the production of Rectified spirit/Absolute Alcohol with consented capacity of 60 KLD using molasses as major raw material; and

WHEREAS, the Unit was inspected by officials from CPCB on 06.12.2023 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 was operational at a production capacity of 55KLD.
2. The Unit has obtained Consolidated Consent & Authorization issued by UPPCB dated 07.02.2023 under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981 with a validity upto 31.12.2024.

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

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

3. The Unit meets its fresh water requirements through two bore wells. The Uttar Pradesh Ground Water Department (UPGWD) NOC was valid till 24.09.2023 and the Unit has not yet obtained the renewed NOC. As per the logbook data, the Unit has abstracted 617 KLD of fresh water in the month of Nov, 2023.
4. The raw spent wash generated from analyser column is first fed to bio-digester from where it is sent to Multi Effect Evaporator (MEE) for concentration and is then utilized in bio-composting and has 16 acres of active bio-composting area which is adequate
5. For spent wash management in molasses based plant Unit has installed 03 anaerobic digesters of capacity 375 m³, 650 m³ and 550 m³, Multi Effect Evaporator of capacity 720m³ (5 effect) and Condensate Polishing Unit (CPU) of 900 m³ capacity for treatment of MEE condensate and other low strength effluent. All the ZLD systems were found operational during visit.
6. The Unit is having two impermeable lagoons of total capacity 30000 m³ (12000m³ & 18000m³) which is in excess of the allowed storage lagoon capacity of 30 days equivalent of concentrated spent (i.e. 3500 m³) which is in violation of CPCB direction dated 07.12.2015.
7. Analysis results of the samples collected from the inlet and outlet of bio-digester showed pH- 4.23 & 8.21, Suspended Solids – 8917 & 14667 mg/l, TDS- 96101mg/l & 32534mg/l, COD – 123943 & 33995 mg/l and BOD – 58600 & 12750 mg/l respectively. Which indicates that the Unit was operating its bio-digester as 72.57% and 78.24% reduction in COD and BOD was observed.
8. Analysis results of samples collected from inlet and outlet of MEE showed pH 6.12 & 6.63, Total Solids 82560 mg/l & 148240 mg/l COD 88477mg/l & 113643 mg/l and BOD 30222 mg/l & 37800mg/l respectively. Total Solids at MEE inlet was 8.2% and at MEE outlet was 14.8 % which indicates that Unit was not operating its MEE properly.
9. Solid content in MEE outlet was 14.8 % and BOD was 37800 mg/l which indicates that the Unit is not operating MEE properly and the Unit is using raw / Bio-methanated spent wash (BMSW) in bio-composting which is in violation of CPCB direction dated 07.12.2015.
10. The Unit has 02 no. of boilers of capacity 7.5 TPH and 12 TPH. Boiler of capacity 7.5 TPH is using bagasse (60%) and biogas (40%) as fuel and Boiler of capacity 12 TPH is 100% bio gas based. The Unit has installed cyclone and bag filter as APCD.
11. Stack monitoring was carried out at stack attached with 7.5TPH boiler. As per analysis results PM value was found to be **231 mg/Nm³** against the consented norms of 80 mg/Nm³.
12. The Unit has provided monkey ladder in boiler stack which is observed unsafe for stack monitoring.
13. The Unit has installed PTZ camera and flow meters at the requisite position and the connectivity of the same was provided to CPCB server. The connectivity and installation of OCEMS was verified by IT Division on 27.02.2024.

It is evident from the above observations that the Unit is violating emission standards, CPCB directions dated 07.12.2015 and ZLD norms namely; a) Excess lagoon capacity; b) Storage of spent wash with solid content < 30% and its utilization in bio-composting c) Non-compliance with stack emission standards d) Abstraction of ground water without UPGWD NOC.

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 Simbhaoli Sugars Ltd., (Distillery Division) Unit- Hapur**, is hereby directed to **Show Cause as to why the Unit should not be closed down for non-compliance as mentioned above till the compliance of following directions:**

1. The Unit shall operate its MEE properly so as to ensure volume reduction to minimum 40% with 30% solid concentration of spent wash before using the same for bio-composting.
2. The Unit shall restrict its lagoon capacity upto 30 days of concentrated spent wash i.e. less than 3500 KL and only concentrated spent wash with 30% solid concentration shall be stored in lagoon. Excess lagoon capacity shall be dismantled after proper utilization of stored spent wash under 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. duly verified by UPPCB.
4. The Unit shall provide proper stack monitoring facility in boiler stacks as per CPCB guidelines.
5. The Unit shall comply with the prescribed stack emission norms.
6. The Unit shall obtain valid NOC for ground water abstraction from UPGWD.
7. The Unit shall ensure proper record keeping of CPU inlet, CPU outlet, boiler blowdown, cooling tower blowdown and spent lees.
8. The Unit shall submit duly notarized point wise reply along with measures taken to comply with above mentioned directions along with time bound action plan.

You (**M/s Simbhaoli Sugars Ltd., (Distillery Division) Unit- Hapur**) 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.

13²¹ 12/3/24
(TANMAY KUMAR)
CHAIRMAN

Copy to:

1. Additional Secretary (CP Division)
Ministry of Environment, Forests
& Climate Change,
Indra Paryavaran Bhavan, Jor Bagh Road,
New Delhi - 110 003

For kind information

2. Member Secretary
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuti Khand,
Gomti Nagar, Lucknow-226 010
Uttar Pradesh

For necessary action for
compliance of directions

3. Regional Director,
Regional Directorate Lucknow,
Central Pollution Control Board,
PICUP Bhawan, Vibhuti Khand,
Gomti Nagar, Lucknow,
Uttar Pradesh- 226010

For kind information

4. Divisional Head, IT Division, CPCB

For uploading on CPCB's
website

5. Master copy WQM-II, CPCB



(BHARAT KUMAR SHARMA)
MEMBER SECRETARY