



By Speed Post

F. No. CP-11/19/2024-WQM-II-HO-CPCB-HO 1269

Date: 01 .05.2024

To,

M/s Kothari Fermentation & Biochem Ltd.,
Sikandrabad, Bulandshahar (U.P.)

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 Kothari Fermentation & Biochem Ltd., Sikandrabad, Bulandshahar (herein after referred as "the Unit") is involved in the production of compressed yeast with consented capacity of 70 MTD using molasses as raw material; and

WHEREAS, the Unit was inspected by CPCB officials on 07.12.2023 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 found operational at the time of inspection.

‘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

2. The Unit, **M/s Kothari Fermentation & Biochem Ltd., Sikandrabad, Bulandshshar** is involved in the production of compressed yeast with total consented capacity of 70 MTD using molasses as raw material. However, the Unit was operational at 30 MTD at the time of inspection.
3. The Unit has valid consents under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 upto 31.12.2026.
4. The Unit is meeting its fresh water requirements through three borewells for which it has obtained NOC from CGWA valid upto 26.07.2026. The Unit is extracting 470 KLD of fresh water against the permitted withdrawal of 500 KLD, which is within permissible limit.
5. For spent wash management, the Unit has installed biodigester having capacity of 700 KLD followed by aeration and pre-treatment followed by Nano Filtration and two stage R.O Filtration. The RO reject is then concentrated in MEE having a capacity of 350 KL after which it is sent for incineration in two boilers having capacity of 14 TPH and 10 TPH.
6. All the ZLD units were found operational during inspection.
7. Samples collected from the inlet of the bio digester show pH -5.18, TSS- 3642 mg/l, TDS- 46940 mg/l, COD-62707 mg/l and BOD -22667 mg/l and outlet show pH- 7.85, TSS- 2754 mg/l, TDS- 36353 mg/l, COD- 35617 mg/l and BOD -8933 mg/l which indicate a 60.59 % reduction in BOD.
8. MEE condensate is being used as cooling tower make up.
9. The Unit has installed a total of 04 boilers out of which 02 boilers having capacity of 14 TPH and 10 TPH are based on agro based fuel (mustard husk and slop) having stack height of 35 m equipped with wet scrubber as APCD. Remaining two boilers having capacity of 02 TPH each are run on biogas and have stack height of 35 m.
10. Boilers with capacity of 14 TPH and 10 TPH were found operational during the visit. However, sampling of stack emission could not be carried out since size of porthole was <3 inch. Boiler ash is being used to fill low lying areas.
11. The Unit has three storage lagoons of total storage capacity 3800 kl (2 lagoons having capacity 400 kl and 1 with capacity 3000 kl) which is exceeding the total permitted storage capacity of 7 days (1904 kl) as directed in CPCB directions issued under Section 18 (1) (b) of Water Act, 1974 dated 07.12.2015.
12. The two 400 kl lagoons are being used for the storage of biodigester feed and MEE feed (RO reject) respectively.

13. During inspection, the 3000 kl lagoon was found filled with sludge. As informed the sludge is being used as bio manure. The Unit representative informed that the stored sludge shall be disposed by June, 2024 and has submitted action plan for the same.
14. The Unit has installed Online Emission Monitoring System which is connected with CPCB server as verified by IT division CPCB. The Unit has registered its webcam with CPCB server but is yet to provide connectivity for the same.
15. During visit, continuous low value of PM at OCEMS installed on stack of 14 TPH boiler was observed which may be due to poor maintenance and calibration of sensors.
16. The Unit has not maintained proper logbooks for spentwash generation, cooling tower blow down, CPU and outlet flow.

It is evident from the above observations that the Unit is violating the CPCB directions dated 07.12.2015 and consent to operate issued by UPPCB i.e 1) exceeding its permitted lagoon storage capacity, 2) not provided webcam connectivity with CPCB server and 3) inadequate emission monitoring facility.

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 Kothari Fermentation & Biochem Ltd., Sikandrabad, Bulandshshar** is hereby directed to **Show Cause as to why the Unit should not be closed down** for non-compliance of CPCB directions till the compliance of following directions:

1. The Unit shall provide webcam connectivity and ensure uninterrupted transmission to CPCB and SPCB servers.
2. The Unit shall restrict its lagoon capacity upto 07 days of concentrated spent wash i.e. less than 2000 KL and only concentrated spent wash with more than 45% solid concentration shall be stored in lagoon for use in incineration in compliance of CPCB directions dated 07.12.2015. Excess lagoon capacity shall be filled/dismantled/levelled under the supervision of UPPCB.
3. The Unit shall ensure scientific disposal of sludge stored in the lagoon having capacity of 3000 kl and submit details of the sludge disposed including quantity of sludge disposed, characteristics of the sludge, quantity of biomanure obtained, proof of sale/usage of biomanure.
4. The Unit shall provide proper stack monitoring facility 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 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 Kothari Fermentation & Biochem Ltd., Sikandrabad, Bulandshshar**, 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.

13th 11/5
(TANMAY KUMAR)
CHAIRMAN

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| 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 | |

BKS
(BHARAT KUMAR SHARMA)
MEMBER SECRETARY