



By Speed Post

F. No. CP-11/20/2023-IPC-III-HO-CPCB-HO

Date: 07.07.2023

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To,

M/s Ankur Biochem Pvt. Ltd.
Tetulia More, Nirsha, Dhanbad,
Jharkhand

SHOW CAUSE NOTICE UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986 REGARDING INSTALLATION OF ON-LINE EFFLUENT MONITORING SYSTEM-REG.

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, CPCB issued directions dated 05.02.2014 under Section 18 (1) (b) of Water (Prevention & Control of Pollution) Act, 1974 to State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) of 11 Ganga River Basin States for installation of online effluent monitoring systems w.r.t. pH, BOD, TSS, COD and flow parameters in Grossly Polluting Industries; and

WHEREAS, it was clarified that flow meter & web camera may be installed in case of units with Zero Liquid Discharge (ZLD), CETP member units or units having effluent generation of <10 KLD; and

WHEREAS, CPCB issued directions dated 02.03.2015 under Section 18 (1) (b) of Water (Prevention & Control of Pollution) Act, 1974 to SPCBs /PCCs for granting extension of time up to June 30, 2015 for installation of online monitoring systems; and

WHEREAS, CPCB vide letters dated 29.05.2015 informed to all the SPCBs/PCCs that no further extension of time will be given after June, 2015 and withdrawal of consent to operate along with forfeiture of bank guarantee of non-complying units will be the only option; and

WHEREAS, the GPIs need to follow the guidelines published by CPCB for installation and connectivity of OCEMS which is available on CPCB website (<http://cpcb.nic.in/upload/thrust-area/revised-GUIDELINES-final-sent-for-publication-on07.11.2014.pdf>) and as per the guidelines "In case of industries having adopted Zero Liquid Discharge (ZLD) the units shall

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install IP camera with PAN, TILT Zoom, 5x or above focal length, with night vision capability and flow meters in the channel/drain provided for carrying the effluent from within the premises of the unit; and

WHEREAS, CPCB vide its circular dated 23.12.2016 (copy enclosed) has directed both molasses and grain based distilleries which are adopting zero liquid discharge of industrial effluent, as per the consent to operate from SPCBs, to install online flowmeters and PTZ cameras as given below:

1. Flowmeters: Online flowmeters with data recording facility which should be transmitted online to CPCB and SPCB shall be installed at the raw spent wash/whole stillage generation line and the concentrated spent wash/whole stillage/ thick syrup line connecting to the final storage lagoon/tank before bio-composting /incineration/dryer.

For distillery plants having advanced integrated multiple effect evaporators where concentrated spent wash/whole stillage is being directly generated, flowmeters with similar specification shall be installed with data connectivity to CPCB and SPCB at the concentrated spent wash/whole stillage/ thick syrup line connecting to the final storage lagoon/ tank before bio-composting/incineration/dryer and at the alcohol production line for assessment of concentrated spent wash generation ratio.

2. PTZ cameras: The cameras should be IP camera with PAN, TILT Zoom, 5x or above focal length with night vision capability and should be installed at relevant locations of bio-composting yard/DWGS/DDGS production area/incineration area and final spent wash storage lagoon/conc. Spent wash storage tank, as applicable. The camera feed should be integrated with all camera controls (pan, zoom, tilt) and shown on central platform, where data on other parameters (effluent monitoring/flowmeters/emission monitoring) is displayed/submitted. The camera feed shall be provided without pre-requirement of any plug-in software for data display or data submission and shall be available in the Google chrome browser.

WHEREAS, CPCB issued directions under Section 5 of the Environment (Protection) Act, 1986 dated 24.07.2015 to M/s Ankur Biochem Pvt. Ltd., Nirsha, Dhanbad, Jharkhand (hereafter referred as 'the unit') to Show Cause why the unit should not be closed for non-compliance of direction issued w.r.t installation of online emission and effluent monitoring system; and

WHEREAS, M/s Ankur Biochem Pvt. Ltd., Nirsha, Dhanbad was inspected by a team of CPCB officials on May 02, 2023 under Standard Surveillance Programme and following observations were made;

1. The unit is a grain based distillery, having installed capacity of 500 KLD and was operational at production capacity of 174 KLD.
2. The unit has valid consent to produce 174 KLD Extra Neutral Alcohol (ENA), 37 MT/day liquid carbon dioxide and 80 MT/day Distillers Dries Grain Soluble (DDGS) as by-product.
3. The unit has valid Consent to Operate (CTO) issued under the Air (Prevention & Control of Pollution) Act, 1981 & the Water (Prevention and Control of Pollution) Act, 1974 by

- Jharkhand State Pollution Control Board (JSPCB) with validity till 30.09.2023. The unit also has Authorization under Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016 having validity till 31.12.2026.
4. The unit has valid No Objection Certificate (NOC) from Central Ground Water Authority (CGWA) till 16.10.2025 to extract 8 KLD of fresh water per day and 2920 kl of fresh water per year. However, the unit meets its fresh water requirements through water supplied by Damodar Valley Corporation (DVC) and the unit consumes 440 KLD of fresh water in its process.
 5. As per CTO conditions, the unit is maintaining ZLD, however, web camera with night vision capability was not installed at the outlet/ recycling point of ETP, which are required to be installed by unit operating at ZLD.
 6. The Unit is having 500 KLD capacity condensate polishing unit cum effluent treatment plant (FTP) and was found operational during inspection with avg. inflow of 352.8 m³/day and out flow of 288 m³/day. ETP comprises of Equalization Tank (capacity: 195.7 m³), Flash mixture (capacity: 2.16 m³), Flocculator (capacity: 15 m³), Tube settler (capacity: 66.27 m³), Dual media filter, Pressure sand filter, Reverse osmosis system (02 nos.), Aeration tank (capacity: 216 m³), Secondary clarifier (capacity: 105.7 m³), Chlorine contact tank (capacity: 29 m³), followed by dual media filter. Treated effluent is used in the cooling tower as makeup water.
 7. OCEMS installed at the ETP outlet was found operational during inspection and displayed values that were quite comparable with the analysis results of the sample collected from the ETP outlet. The values displayed at OCEMS and the sample analysis results are tabulated below:

S.No.	Parameters	Values at OCEMS	Sample analysis results
1.	pH	8.3	6.1
2.	TSS (mg/l)	9.6	14
3.	BOD (mg/l)	7.9	9
4.	COD (mg/l)	38.8	49

However, the instrument was showing inaccurate date and time (i.e date: 7.1.23 & time: 11:18 A.M instead of date: 2.4.23 & time: 10:44 A.M)

8. OCEMS device is not connected to CPCB server. Accordingly, no data has been transferred in the RTDMS portal. However, as reported by the unit, since June,2022 the OCEMS service provider has been changed and the same has not been intimated to CPCB.
9. At the entrance of the unit, digital display board was observed and online emission data for parameters SPM, SO₂ and NO_x and effluent quality data for parameters BOD, COD and TSS were available.
10. The unit has installed flow meter at the inlet and outlet of ETP.
11. Particulate and gaseous sampling was also carried out from the stack connected with 9.8 MW power plant for the parameters PM- 61 mg/Nm³ against the standard limit of 150 mg/Nm³, SO₂-438 mg/Nm³ and NO_x- 69 mg/Nm³ which are complying with prescribed standards.

AND WHEREAS, as verified by WQM-II division, CPCB on 09.06.2023, the unit was found connected on CPCB portal, however, there was no data transmission from the unit to the portal;

It is evident that the unit has installed flowmeters and OCEMS but is yet to install PTZ camera at the relevant locations and has also failed to ensure 24 X 7 data transmission to CPCB server which is in violation of CPCB directions and guidelines.

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 Ankur Biochem Pvt. Ltd., Nirsha, Dhanbad, Jharkhand is hereby directed to **Show Cause as to why the unit should not be closed down** until the unit shall ensure installation and connectivity of PTZ camera as per CPCB guidelines along with ensuring 24 X 7 data transmission to CPCB server

You 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.

NTC
3/2/23
(TANMAY KUMAR)
CHAIRMAN

Copy to:

1. Member Secretary
Jharkhand State Pollution Control Board,
H.E.C., Dhurwa, Ranchi-834 004 (Jharkhand)
2. Additional Secretary (CP Division)
Ministry of Environment, Forests
& Climate Change,
Indra Paryavaran Bhavan, Jor Bagh Road,
New Delhi - 110 003
3. Regional Director,
Central Pollution Control Board,
Southern Conclave, Block 502,
5th & 6th Floors, 1582 Rajdanga Main Road,
Kolkata-700 107 (W. B.)
4. Divisional Head, IT Division, CPCB
5. Master copy WQM-II, CPCB

For necessary action for
compliance of directions.

For kind information

For uploading on CPCB's
website
For record

Pr
(PRASHANT GARGAVA)
MEMBER SECRETARY