

Speed Post

B-190198/NGRBA(RG)/CPCB/Distillery/46/2016-07

May 17th, 2018

To,

**M/s HPCL Biofuels Ltd.,
Sugali, East Champaran
Bihar-845453**

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT,
1986**

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 & Forests, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986; 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, CPCB had issued direction on 24.02.2015 and a follow up direction on 23.04.2015, under section 18(1)(b) of Water Act, 1974 to Bihar State Pollution Control Board for ensuring that the molasses based distilleries including yeast manufacturing units in the state of Bihar shall achieve zero liquid discharge, as per the options specified in the direction; and

WHEREAS, M/s. HPCL Biofuels Ltd., Sugali, Bihar (Distillery Division), (hereinafter referred as 'the Unit') is involved in the process of extra neutral alcohol and rectified spirit using molasses as raw material; and

WHEREAS, the unit was inspected by the officials of Central Pollution Control Board (CPCB), on 7.03.2018 for the verification of compliance by the unit and following observations are made;

1. The unit is a molasses based distillery having installed capacity of 60 KLD. During the visit the unit was in operation.
2. The unit has installed Bio-digester, followed by MEE and bio composting plant for the management of spent wash.

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3. The unit has installed web cameras at Bio-composting, spent wash storage tank and provide the connectivity of the same to CPCB server.
4. It was observed that untreated spent wash and other effluents are being discharged outside the premises. Analysis report of effluent sample showed **pH-4.57, COD-128000 mg/l, BOD-77120 mg/l, TDS-113800 & TSS-4500 mg/l.** which is violation of Zero liquid discharge condition stipulated under consent order.
5. The unit has not provided any record about the utilization of spent wash in MEE and in process as well.
6. The unit has installed mass flow meter at outlet of MEE only.
7. Spent wash and effluent flooded over ETP area. Access to lagoon & bio-compost plant was difficult due to flooding of spent wash.

It is evident from the above observations that the unit is discharging its untreated effluent outside the premises, posing potential threat on the surface water/ground water contamination, as the unit failed to implement ZLD ; and

NOW, THEREFORE, in view of the above and exercising powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, **the unit (M/s. HPCL Biofuels Ltd.) is directed to close down all its manufacturing operations with immediate effect and report the same to CPCB immediately and not to restart its manufacturing operations till the compliance of following directions:**

1. To immediately discontinue the practice of discharging of treated/untreated effluent and shall utilize spent wash in bio-compost as per norms.
2. To implement the Zero Liquid Discharge (ZLD) action plan, as per the direction of CPCB.
3. The unit shall submit following reports duly validated by reputed institutions like National Sugar Institute, Kanpur, Vasantdada Sugar Institute, Pune and IITs to CPCB and BSPCB within 60 days:
 - a) Assessment of the manufacturing technology for spent wash generation and adequacy assessment of ZLD system comprising of Biomethanation, RO, MEE, composting/incineration system and steam availability, etc.
 - b) Water audit and mass balance reports to establish spent wash generation rate,
 - c) Action Plans to achieve Zero Liquid Discharge (ZLD),
 - d) To restrict lined effluent storage capacity to 30 days, and
 - e) Assessments of availability of press mud, compost yard, composting process, sell of compost and compost quality.
4. The unit shall install mass flow meters at inlet of ROs/MEE, outlet of MEE and to make arrangement for continuous online transmission of spent wash flow measurements (namely Weak Spent Wash, Strong Spent Wash)/web camera data of Spent Wash generation, concentration & MEE operation by providing linkage to CPCB & BSPCB servers within 75 days.
5. The unit shall identify recipient drains/ rivulets and their u/s & d/s locations in consultation with BSPCB for monthly monitoring by industry to ensure ZLD from distilleries within 30 days. The monitoring report shall be submitted to CPCB on monthly basis.

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6. The unit will provide documentary support for procurement/ availability of press mud, sell of compost and compost quality on monthly basis (by 10th of every month) to CPCB/BSPCB.
7. The unit shall submit adequacy assessment report of the ETP system/up gradation plan prepared by reputed institution like Vasantdada Sugar Institute, Pune, National Sugar Institute, Kanpur, IITs etc to CPCB.
8. The unit shall seek permission of CPCB before restart of manufacturing operations.


In case of default in compliance with the above directions by the unit, CPCB will be constrained to initiate appropriate action against the unit, in accordance with the provisions of the Environment (Protection) Act, 1986.

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(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. The Member Secretary
Bihar State Pollution Control Board,
Beltron Bhawan, Shastri Nagar,
Patna – 800 023 : With request to ensure that the unit shall not re- start manufacturing operations before compliance of the directions.
2. The Joint Secretary (CP Division)
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003 : For kind information, please
3. The Regional Director, East
Regional Directorate
Central Pollution Control Board
Southernd Conclave, Block 502,
5th & 6th Floors 1582 Rajdanga Main Road
Kolkata – 700 107(W.B.) : For follow up and ensuring compliance
4. The District Magistrate,
East Champaran -Bihar : With request to ensure compliance of closure direction
5. The Chief Engineer,
North Bihar Power Distribution Company Ltd.
Second Floor, Vidyut Bhawan,
Bailey Road, Patna-800001 : With request to dis-connect the power supply for industrial operations. However, power supply for domestic and security purposes to continue.
6. The In-charge, IT Division, CPCB
7. Master file/guard file WQM II, CPCB, Delhi


(A SUDHAKAR)
MEMBER SECRETARY