



Speed Post

B-190198/NGRBA(RG)/CPCB/Distillery/46/2017-18

14049

Dec 17th, 2018

Dec 20th, 2018

To,

M/s HPCL Biofuels Ltd.,
Sugauli, 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., Sugauli, 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.
3. The unit has installed web cameras at Bio-composting, spent wash storage tank and provide the connectivity of the same to CPCB server.

(Contd..2/-)

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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.

WHEREAS, CPCB issued closure direction dated 21.5.2018, under section 5 of Environment (Protection) Act, 1986, to the unit to comply with the 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.
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.

AND WHEREAS, the unit replies vide letter dated 11.07.2018, 1.10.2018 were examined and following observations were made:

1. The unit has submitted a self certificate for closure of the unit on 27.11.2018.
2. The unit has submitted an affidavit, that the unit will not discharge any effluent outside the premises on 11.07.2018.

(Contd..3/-)

3. The unit has installed mass flow meters at the inlet and outlet of MEE and provided its connectivity to CPCB server on 27.11.2018.
4. The unit has identified recipient River named Budhi Gandhak.
5. The unit has submitted the adequacy report validated by NSI, Kanpur vide letter dated 11.07.2018 and compliance of ETP adequacy on 20.11.2018.
6. The unit has developed analytical facilities along with trained staff.

AND WHEREAS, CPCB constituted a Three –member committee vide office order dated 27.09.2017 having representative from CPCB, MoEF & CC and NMCG for examination and recommendation for revocation of the closure direction issued by CPCB; and

WHEREAS, The Three member committee in its meeting held on 30.11.2018 examined the adequacy report of the unit and recommended that the unit is allowed to resume its operation subject to the following conditions;

1. The unit is permitted to operate as per the capacity for which the plant is having adequate facility i.e 35 KLD of alcohol production.
2. The unit shall submit verification and water audit report within 60 days by the government institute.

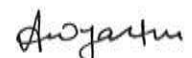
AND NOW THEREFORE, in view of the above observations and in exercise of powers delegated under Section 5 of the Environment (Protection) Act, 1986, **the unit (M/s HPCL Biofuels Ltd., Sugauli, Bihar (Distillery Division) is allowed to resume its manufacturing operations** and shall comply with the following;

1. The unit is permitted to operate at restricted production capacity of 35 KLD of alcohol production. The unit shall inform to CPCB about resumption of operation immediately.
2. The unit shall submit ZLD compliance verification and water audit report by reputed expert government institute within 60 days of resumption of operation.
3. To provide copy of records of alcohol/rectified spirit production, spent wash generation (namely weak spent, strong spent wash), details of MEE operations, mass flow meter readings connected with CPCB server etc. on monthly basis (by 10th of every month) to CPCB/BSPCB.
4. To use concentrated spent wash: press mud ratio of 1:1.6 and shall provide documentation support for procurement/ availability of press mud, sell of compost and compost quality on monthly basis (by 10th of every month) to CPCB/BSPCB.
5. To carry out monthly monitoring of the Budhi Ghandak River at u/s & d/s location through environmental lab recognised under (Environment Protection) Act, 1986 and to submit the analysis report on monthly basis (by 10th of every month) to CPCB/BSPCB.
6. The unit shall submit re-validated adequacy assessment report to CPCB and also to provide the performance evaluation report of the condensate polishing unit (CPU) from reputed expert institutes within 45 days of resumption of operation.

In case of default in compliance with the above directions or any other exigencies, CPCB will be constrained to initiate further stringent action against the Unit (M/s HPCL Biofuels Ltd., Sugauli, Bihar (Distillery Division), in accordance with the provisions of the Environment (Protection) Act, 1986, without any further notice.


(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 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 re-connect the power
supply for industrial operations.
6. ✓ The In-charge, IT Division, CPCB
7. Master file/guard file WQM II, CPCB, Delhi

*AWA d
26/12*


(Prashant Gargava)

MEMBER SECRETARY