



Speed Post

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

16382

07th February, 2019

14th

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., 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 has installed capacity of integrated Sugar 13500 (TCD), Distillery (60 TCD) and co generation (20 MW) as per MoEF, EC no. J-11011/329/2009-IA-II (I) dated 22.04.2010; 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 were made;

(Contd..2/-)

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.
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.

AND WHEREAS, CPCB issued closure direction dated 21.5.2018, under section 5 of Environment (Protection) Act, 1986, to the unit; and

WHEREAS, CPCB issued direction dated 20th Dec, 2018 under section 5 of Environment (Protection) Act, 1986 to the unit for compliance of the following conditions;

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 press mud : spent wash: 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.

AND WHEREAS, the unit's representation dated 31.12.2018 was examined and following observations are made:

1. The unit has requested for revocation of restriction on production capacity so as to operate at the consented capacity of 60 KLPD for only 140-145 days instead of 270 days for which an action plan validated by NSI has been submitted.

(Contd..4/-)

2. As per the proposal recommended by NSI, Kanpur vide letter dated 28/09/2018, the distillery shall operate at 60 KLPD for some days utilizing spent wash for bio-composting and also storing it in lagoon for future use when the distillery will not be operational. After completion of one cycle, the distillery shall again be operated. The distillery shall operate intermittently @ 60 KLPD for a limited period as against approval of 270 days.
3. The distillery shall operate intermittently @ 60 KLPD for a limited period as against approval of 270 days.
4. The unit is constructing one addition lagoon of 6000 KL so as to increase the capacity from 3000 KL to 9000 KL.

AND WHEREAS, The Three member committee in its meeting held on 16.01.2019 examined the representation dated 31/12/2018 & recommendation of NSI vide letter dated 28/09/2018

1. The committee was informed that HPCL Bio-fuels was permitted to operate with a capacity of 35 KLD in view of available facility of composting. It was also informed that the unit is having capacity to hold the spent wash of 3000 m³ which is adequate for operation of unit for 30 days at production capacity of 60 KLD for a period of 60 days.
2. The unit has also assured additional capacity of lagoons of 3000 m³ will be commissioned within 15 days. The total capacity of lagoon and requirement of spent wash for bio-composting has been assessed by division and found to be adequate for operation @ 60 KLD.
3. In view of this, the committee opined that the request of unit for operation @60KLD may be accepted subject to completion of additional holding capacity prior to utilization of existing capacity. The unit would inform CPCB regarding compliance and ensure that in no cases effluent (spent wash) be discharged.

AND WHEREAS, the unit's reply vide letter dated 06 February, 2019 was examined and following observation is made;

1. The unit has submitted the photographic evidence of newly constructed lagoon.

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 is directed to comply with the following directions;

1. The unit shall operate at 60 KL per day ethanol production for 60 days only and therefore the unit shall restrict its operation to 35 KLPD of ethanol production immediately, after seeking requisite consent from Bihar SPCB.
2. The unit shall commission lined lagoon and shall ensure availability of storage capacity within 15 days, before restoring to production capacity of 60 KLD. However, the maximum lagoon capacity shall be not exceed volume equivalent to 30 days concentrated spent wash generated at installed capacity.
3. The unit shall inform to CPCB about the date of resume of production capacity to 60 KLPD and duration of operation, prior to restoration.
4. The unit shall inform the present quantity of spent wash stored in lagoon.
5. The unit shall submit monthly reports as per CPCB direction dated 20/12/2018 issued under section 5 of Environment (Protection), Act 1986.

(Contd..5/-)

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 Bio-fuels Ltd., Sugali, Bihar (Distillery Division), in accordance with the provisions of the Environment (Protection) Act, 1986, without any further notice

(S. P. SINGH PARIHAR)

CHAIRMAN

11/02/2019

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
Southern 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
the direction
5. The In-charge, IT Division, CPCB
6. Master file/guard file WQM II, CPCB, Delhi

(Prashant Gargava)

MEMBER SECRETARY

o/c