



BY SPEED-POST

B-190198/NGRBA(RG)/CPCB/Distillery/20/2017-18 12710

14th Nov., 2018
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To,

M/s. DSM Sugar Asmoli (Distillery division)
(a unit of Dhampur Sugar Mill Ltd.,)
Vill Asmoli Tehsil Sambhal,
Distt. Moradabad 244304
Uttar Pradesh

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 there under and also to meet the consent conditions granted by State Pollution Control Board (SPCBs) / Pollution Control Committees (PCCs); and

WHEREAS, M/s DSM Sugar Asmoli (Distillery division), U.P., (hereinafter referred as 'the Unit') is involved in the manufacturing process of extra neutral alcohol and rectified spirit using molasses as raw material; 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 Uttar Pradesh Pollution Control Board for ensuring that the molasses based distilleries including yeast manufacturing units in the state of Uttar Pradesh shall achieve zero liquid discharge, as per the options specified in the direction; and

WHEREAS, CPCB issued direction dated 24.05.2017, under Section 5 of the Environment (Protection) Act, 1986, to the unit to resume its manufacturing operations and to comply with the following directions;

1. 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 UPPCB within 60 days:
 - a) Adequacy assessment of the manufacturing technology and ZLD system comprising of Biomethanation, RO, MEE, composting/incineration system and steam availability, etc.

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- 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.
2. 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 & UPPCB servers within 75 days.
 3. The unit shall identify recipient drains/ rivulets and their u/s & d/s locations in consultation with UPPCB for monthly monitoring by industry to ensure ZLD from distilleries within 30 days. The monitoring report shall be submitted to CPCB on monthly basis.
 4. 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/UPPCB.

AND WHEREAS, unit submitted adequacy assessment report prepared by NSI, Kanpur, on 25.01.2018 and as per the adequacy assessment, following observations are made;

1. The unit has adopted batch fermentation along with MPR distillation and the raw effluent generation is estimated to be 8.4-8.8 litre/litre of alcohol.
2. The present effluent treatment system installed for treatment and disposal of spent wash is adequate.
3. The unit has a well built bio-composting facility in 20 acres area including 0.5 acres as covered area.
4. The unit was not in operation during the NSI inspection, therefore the NSI has recommended validation of the report when the unit is in operation.
5. The unit has placed order for mass flow meters to be installed at inlet and outlet of MEE.
6. The unit has not identified recipient drains/ rivulets and their u/s & d/s locations. Also, it has not provided any action plan for monthly monitoring of recipient drain and hence has not submitted any analysis reports of u/s & d/s locations on monthly basis (by 10th of every month) to CPCB.
7. The unit has not provided any documentary support for procurement/ availability of press mud, sale of compost and compost quality on monthly basis to CPCB/ UPPCB.

AND WHEREAS, the unit has not complied with the following CPCB directions issued on 24.05.2017, under section 5 of Environment (Protection) Act, 1986;

1. The unit has not installed mass flow meter and established its connectivity with CPCB and UPPCB servers.
2. The unit has not identified recipient drains/ rivulets and their u/s & d/s locations.
3. The unit has not provided any action plan for monthly monitoring of recipient drain and hence has not submitted any analysis report of u/s & d/s locations on monthly basis (by 10th of every month) to CPCB.
4. The unit has not provided any documentary support for procurement/ availability of press mud, sale of compost and compost quality on monthly basis to CPCB/ UPPCB.

AND WHEREAS, CPCB issued show cause notice dated 06.02 2018 under section 5 of Environment (Protection) Act, 1986 to the unit to implement following measures besides other pollution control measures:

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1. To complete the installation of mass flow meters with totalizer at inlet of ROs/MEE, outlet of MEE and shall establish connectivity 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 to CPCB & UPPCB servers within 15 days.
2. To provide names of the recipient drain and its u/s & d/s locations.
3. To carry out monthly monitoring of the identified recipient drains at u/s & d/s location through lab recognised under Environment (Protection) Act, 1986 and shall submit the analysis report on monthly basis (by 10th of every month) to CPCB/UPPCB.
4. 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/UPPCB in the prescribed format.(Format attached herewith)
5. To use concentrated spent wash: press mud ratio of 1.6:1 and to provide documentary support for procurement/ availability of press mud, sale of compost and compost quality on monthly basis (by 10th of every month) to CPCB/UPPCB in the prescribed format.
6. To submit the implementation status report of action taken against the recommendation of adequacy report within 15 days and to submit the revalidated adequacy assessment report carried out by the institute which has conducted adequacy of assessment and submit the reports within 45 days from the date of issue of the direction.

AND WHEREAS, the unit was inspected by the officials of Central Pollution Control Board (CPCB) dated 10.1.2018 and following observations are made;

1. The unit was found operational during the visit.
2. The unit has provision of MEE, followed by Bio-composting & incineration for the management of spent wash.
3. The unit has installed mass flow meters at inlet and outlet of MEE.
4. The unit has identified the upstream and downstream location of Sot River.
5. The unit has provided 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 for month of Feb & March 2018.
6. The unit has not installed CPU and the condensate is used directly in cooling tower.
7. The unit is using part of its raw spent wash (12%) directly in to bio-composting thus bypassing MEE operations.

AND WHEREAS, CPCB issued closure direction to the unit dated to comply with the following directions:

1. To immediately discontinue the practice of using raw spent wash (without treatment) directly in bio-composting.
2. To install CPU for treatment of evaporation condensate and spent less from distillation plant.
3. To submit revalidated adequacy assessment report carried out by the institute which has conducted adequacy of assessment and submit the reports.

AND WHEREAS, the unit's reply vide letter dated 11/06/2018 was examined and following observations are made;

1. The unit has stopped using raw spent wash directly in bio-composting.
2. The unit is treating its MEE condensate through existing RO which is being utilized by the unit for fermentation process dilution and cooling tower make-up.

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3. The unit has submitted the re-validated adequacy report on 07.06.2018.
4. The unit has submitted the analysis report of Sot river for the month of July & August 2018.

AND WHEREAS, the unit was inspected by the officials of Central Pollution Control Board (CPCB), Delhi on 15.10.2018 for the verification of compliance status of the unit and following observations were made during the inspection;

1. The unit was found closed since 08.10.2018, as the boiler of the unit was not functioning properly.
2. The unit has installed mass flow meters at the inlet and outlet of MEE.
3. The unit was treating the MEE condensate through RO which was found to be dismantled. As informed by the unit's representative the same place was under construction for installation of CPU.
4. The unit not provided the date of completion of installation of CPU.

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. DSM Sugar Asmoli, (Distillation Unit) is directed to remain closed and shall not resume its manufacturing operations till the compliance of following directions;**

1. To install CPU for treatment of evaporation condensate and spent less from distillation plant.
2. The unit shall implement the observation & recommendation of the revalidated assessment report.
3. The unit shall submit adequacy assessment report of CPU and action plan for use of treated condensate of CPU in process, duly validated by reputed institutions like NSI/VSI, IITs to CPCB within 45 days;
4. The unit shall seek permission from 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.


(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. The Chairperson

Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow - 226 010

: With request to ensure compliance with the directions.

2. 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.

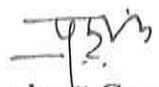
(Contd..5/-)

3. **The Regional Director**
Regional Directorate
Central Pollution Control Board
PICUP Bhawan, Ground Floor,
Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010
4. **The District Magistrate**
Distt. Moradabad, Uttar Pradesh
5. **The Superintending Engineer,**
Paschimanchal Vidyut Vitran Nigam Ltd.,
Victoria Park Meerut 250001
6. **The In-charge, IT Division, CPCB**
7. Master file/Guard file WQM –II Division

: For follow up and ensuring compliance

With request to ensure closure & sealing of the unit in compliance of the direction, pl.

To dis-connect the power supply for industrial operations. However, power supply for domestic and security purposes to continue


(Prashant Gargava)
MEMBER SECRETARY