

Speed Post

B-190198/NGRBA(RG)/CPCB/Distillery/6/2016-17

May 16th, 2018
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To,

M/s Wave Distilleries & Breweries Ltd.,
Vill.-Ahmadpura, Ramghat Road,
Tehsil-Atrauli,
Distt.- Aligarh-202002 U.P.

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, M/s Wave Distilleries & Breweries Ltd., (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, the unit was inspected by the officials of Central Pollution Control Board (CPCB) dated 15.12.2016; and

WHEREAS, CPCB had issued direction dated 02-06-2017 under Section 5 of the Environment (Protection) Act, 1986, to the unit to comply with the following;

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) Assessment of the manufacturing technology for generation of spent was 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

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- 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 with totalizers 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.

WHEREAS, the unit submitted adequacy assessment report vide letter dated 22.11.2017 prepared by NSI, Kanpur and as per the adequacy assessment the following observations are made;

1. The unit has adopted semi continuous fermentation process with MPR technology.
2. The unit has quintuple effect multi effect evaporator system followed by finisher.
3. The spent wash generation is estimated to be 8.14 L/L of alcohol production
4. The concentrated spent wash is burnt in the incinerator boiler along with the rice husk as the supporting fuel.
5. The unit has installed web cameras as per CPCB direction and provide its connectivity to CPCB server.
6. The unit has installed mass flow meter with totalizer at the inlet and outlet of MEE.
7. The unit has identified River Kali at the u/s and d/s of the unit.

AND WHEREAS, the unit was issued Show Cause Notice dated 23.02.2018 for non-compliance with CPCB direction dated 02.06.2017 and was directed to implement the following measures besides other pollution control measures:

1. To complete connectivity of mass flow meter within 15 days from the date of issuance of direction to CPCB /UPPCB server.
2. 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.
3. To carry out monthly monitoring of identify recipient rivulets and their u/s & d/s locations 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 submit the implementation status report of action taken against recommendations of adequacy report within 15 days and shall submit revalidated adequacy assessment report carried out by the institute which has conducted adequacy of assessment and submit the reports within 45 after the issue of the direction.

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AND WHEREAS, the unit's reply vide letter dated 08.03.2018 was examined and following observations are made:

1. The unit has installed mass flow meters with totalizer at inlet and outlet of MEE as well as at inlet of Boiler Slop line and has established connectivity with CPCB server.
2. The unit has submitted analysis report of the identified u/s and d/s locations of River Kali from EPA recognised laboratory for the month of February,2018.
3. The unit has submitted information on molasses consumption, alcohol production, spent wash generation and slop generation for the month of February,2018. However, it has not submitted the information in the CPCB prescribed format.

AND WHEREAS, the unit has not complied with the following CPCB direction issued on 23.02.18;

1. The unit has not provided 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.

AND WHEREAS, the unit was inspected by the officials of Central Pollution Control Board (CPCB) on 06.03.2018 for compliance verification and following observations have been made as per the inspection report;

1. The unit was operational at the time of inspection.
2. The unit has valid consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 with validity upto 31.12.2019.
3. The unit has valid NOC from CGWA with groundwater abstraction limit of 920 KLPD with validity upto 07.11.2018.
4. The unit has established connectivity of mass flow meters with CPCB /UPPCB servers.
5. The unit's ETP is working satisfactorily with adequate MEE and incinerator capacity.
6. Analysis report of sample of MEE condensate shows **pH - 4.16, BOD -571 mg/l and COD -870 mg/l.**
7. The unit does not have a condensate polishing unit.
8. The unit has not installed piezometers.

AND WHEREAS, following information are not available in the adequacy report submitted to CPCB vide letter dated 22.11.2017:

- Details of MEE unit including its detailed performance report.
- Details of water balance of the distillery unit in tabular format.
- Utilization of cooling tower blow down
- Specifications of the incineration boiler.
- Action plan for setting up of condensate polishing unit (CPU).

NOW THEREFORE, in view of the above and in exercise of powers delegated Under Section 5 of the Environment (Protection) Act, 1986, the unit, **M/s Wave Distilleries & Breweries Ltd., (Distillery Division)** is directed to comply with the following;

1. The unit shall install a condensate polishing unit (CPU) and inform CPCB upon installation.

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2. The unit shall analyse the mixed feed to CPU for COD, TS, TDS, VA and pH before and after treatment, to ensure its suitability for use in process and non-process applications.
3. The unit shall 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.
4. The unit shall submit a detailed adequacy assessment report carried out by the institute which has conducted adequacy of assessment and submit the reports within 45 from the date of issue of the direction.
5. The unit shall carry out monthly monitoring of identify recipient rivulets and their u/s & d/s locations 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.

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, in accordance with the provisions of the Environment (Protection) Act, 1986, without any further notice


(S. P. Singh Parihar)
CHAIRMAN

Copy to:

1. The Chairman

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

With request to ensure that the unit complies with the directions.

2. The Advisor (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

Central Pollution Control Board
PICUP Bhawan, Ground Floor, Vibhuti Khand,
Gomti Nagar, Lucknow – 226 010

: For follow up and ensuring compliance

4. The In-charge, IT Division, CPCB

5. Master file/Guard file WQM-II Division


(A Sudhakar)
MEMBER SECRETARY