

**Speed Post**

B-190198/NGRBA(RG)/CPCB/Distillery/13/2016-17 4348

May 17<sup>th</sup>, 2018  
22

To,

**M/s Modi Distillery,  
Modi Nagar Ghaziabad,  
U.P. -201204**

**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 Modi Distillery, Modinagar, Ghaziabad (Distillery Division) U.P. (hereinafter referred as 'the Unit') is involved in the production of extra neutral alcohol and rectified spirit using molasses as raw material; and

**WHEREAS**, CPCB has issued Direction under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to ensure zero liquid discharge from distilleries, issued on February 24<sup>th</sup>, 2015; which was conveyed to the unit through the consent issued by UPPCB on 22.12.2016; and

**WHEREAS**, CPCB issued direction dated 12 June, 2017 under Section 5 of the Environment (P) 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:

**(Contd..2/-)**

- a) Assessment of the manufacturing technology for generation of spent wash 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.
2. The unit shall install mass flow meters with totalizer 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 10<sup>th</sup> of every month) to CPCB/UPPCB.

**AND WHEREAS**, the unit submitted adequacy assessment report prepared by VSI, Pune vide letter dated 01.10.2017 and as per the adequacy assessment, following observation are made;

1. Fermentation and distillation technologies installed by the unit are conventional processes, involving batch fermentation and atmospheric distillation, capable of good quality production.
2. The spent wash generation is estimated to be 10.20 L/L of alcohol production.
3. The process condensate water is used for cooling tower as make-up water.
4. The performance of effluent treatment plant was found to be satisfactory.
5. Based on raw spent wash generation, the storage capacity of existing impervious storage tank should be limited to maximum 47%. The restricted storage capacity should be (94 KLPD x 30 days) 2830 M<sup>3</sup> only. Therefore, the concentrated spent wash storage in existing impervious tank should be limited to maximum 47%. Required marking at 47% storage level should be made and MIL should take precautions not to cross this marked level in future.
6. The unit is in the process of installation of piezometers around the Bio-composting area.
7. The on-line monitoring system is yet to be made operational by the unit.
8. The unit has provided connectivity of mass flow meters to CPCB server.

**AND WHEREAS**, CPCB issued Show Cause Notice dated 15<sup>th</sup> February,2018, under Section 5 of Environmental (Protection) Act, 1986 to the unit for non-compliance with the CPCB direction dated 12.06.2017; and

**WHEREAS**, the unit's reply dated 10.03.2018 was examined and following observations were made:

**(Contd..3/-)**

1. The unit has identified the u/s and d/s locations of the recipient drain (municipal drain in the u/s and Kadrabad drain in the d/s) and has submitted analysis report for the period December,2017 to February,2018.
2. The unit has submitted documents in support of pressmud procurement/consumption, sale of compost and compost quality on monthly basis to CPCB/UPPCB for the period from October,2017 to February,2018
3. The unit has submitted copy of records of alcohol/rectified spirit production, spent wash generation to the CPCB in the prescribed format for the period November,2017 to February,2018.

**AND WHEREAS**, the unit was inspected by the officials of Central Pollution Control Board (CPCB), on 11.01.2018 for the verification of compliance by the unit and following observations were made based on inspection;

- Distillery unit including bottling plant were operational at the time of inspection.
- Treatment process for the raw spent wash involved evaporation in MEE, followed by biomethanation of the MEE concentrate and finally Biocomposting of the treated spent wash.
- OCEMS is installed and connected to CPCB server.
- MEE condensate is treated in CPU, following which the treated condensate is used in process (molasses fermentation and dilution) and in cooling tower make-up while **cooling tower blow down is used in plantation/irrigation.**
- Analysis result of treated condensate collected from outlet of CPU shows that **COD is 1144 mg/l and BOD is 579 mg/l** (against the prescribed limit of 100 mg/l for land discharge) which is being discharged on land for plantation/irrigation, which is in violation of Zero Liquid Discharge stipulated under the consent order issued under the Water Act, 1974.
- The unit has not installed piezometers.
- The unit does not have valid consents under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 and have applied for the same.
- The unit has applied for NOC from CGWA for ground water abstraction.

**It is evident that the unit has violated ZLD condition of consent and untreated/partially treated effluent is being discharged on land posing potential threat of surface water/ground water contamination.**

**NOW, THEREFORE**, in view of the above and in exercise of the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, **the Unit (M/s Modi Distillery) 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:**

**(Contd..4/-)**

1. The unit shall immediately discontinue the practice of utilising its cooling tower blow down in plantation/irrigation.
2. The unit shall ensure proper functioning of the condensate polishing unit (CPU).
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 and IITs to CPCB and UPPCB within 60 days:
4. The unit shall install piezometers at requisite position.
5. 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 (**M/s Modi Distillery**), 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 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 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**  
Regional Directorate  
Central Pollution Control Board  
PICUP Bhawan, Ground Floor,  
Vibhuthi Khand, Gomti Nagar,  
Lucknow – 226 010.  
: For follow up and ensuring  
compliance
4. **The District Magistrate,  
Ghaziabad, U.P.**  
: With request to ensure compliance  
of closure direction
5. **The Chief Environmental Officer,**  
Paschimanchal Vidyut Vitran Nigam Ltd,  
C-10/8, Sikri Rd, Sikri Khurd, Modinagar, Uttar  
Pradesh 201204  
: 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/WQM II, CPCB Delhi

  
(**A SUDHAKAR**)  
MEMBER SECRETARY