

Speed Post

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

September 24th, 2018

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 24th, 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:
 - 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.

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M/s Modi Distillery.

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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 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 10th of every month) to CPCB/UPPCB.

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;

1. Distillery unit including bottling plant were operational at the time of inspection.
2. Treatment process for the raw spent wash involved evaporation in MEE, followed by bio-methanation of the MEE concentrate and finally bio-composting of the treated spent wash.
3. OCEMS is installed and connected to CPCB server.
4. 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.**
5. 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.
6. The unit has not installed piezometers.
7. 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.
8. The unit has applied for NOC from CGWA for ground water abstraction.

WHEREAS, CPCB issued closure direction dated 22 May, 2018 under section 5 of Environment (Protection) Act, 1986, to the unit to comply with the following directions;

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 IIT's 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.

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AND WHEREAS, the unit reply vide letter dated 19.07.2018, was examined and following observations were made:

1. The unit has already stopped its manufacturing operations for maintenance work since 08.05.2018.
2. The unit has assured that as per CPCB direction, cooling tower blow down water will be not be used in plantation and irrigation and will be taken in condensate polishing unit for further treatment and after that it will be re-used in process along with condensate.
3. For proper functioning of CPU, the unit has added one more aeration tank & clarifier for the further reduction of BOD and COD load in condensate.
4. The unit has installed piezometers at requisite positions.

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 23.08.2018 examined the adequacy report of the unit and recommended that the unit may be allowed to resume operation along with following recommendations;

1. The unit shall submit performance audit report of ZLD within 60 days.
2. The unit shall submit one month daily analysis report 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 Modi Distillery (Distillation Unit) is allowed to resume its manufacturing operations** and shall comply with the following:

1. The unit is allowed to resume manufacturing operation for 60 days only and shall inform to CPCB immediately after resumption of operation.
2. The unit will submit performance audit report of ZLD within 60 days.
3. The unit shall submit one month daily analysis report of CPU for the following parameters indicating quantity of condensate being treated per day, colour, temperature, BOD-mg/l, COD-mg/l Total solids %, Total dissolved solids %, Total suspended solids, Volatile acids & Total alkalinity.
4. The unit shall close down its manufacturing operations after 60 days and seek permission from CPCB before 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 Modi Distillery, Modinagar, Ghaziabad), in accordance with the provisions of the Environment (Protection) Act, 1986, without any further notice.


(A.K. Mehta)
CHAIRMAN

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Copy to:

1. **Chairman** : With request to ensure compliance of the directions.
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow – 226 010
2. **Joint Secretary (CP Division)** : For kind information, please.
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003
3. **Regional Director** : For follow up and ensuring compliance
Regional Directorate
Central Pollution Control Board
PICUP Bhawan, Ground Floor,
Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010.
4. **District Magistrate,** : With request to ensure compliance of direction
Ghaziabad, U.P.
5. **Chief Environmental Officer,** : With request to restore the power supply of the unit.
Paschimanchal Vidyut Vitran Nigam Ltd,
C-10/8, Sikri Rd, Sikri Khurd, Modinagar, Uttar Pradesh 201204
6. In-charge, IT Division, CPCB
7. Master file/WQM II, CPCB Delhi


(PRASHANT GARGAVA)
MEMBER SECRETARY