

Speed Post

B-190198/NGRBA(RG)/CPCB/Distillery/22/2016-17

Nov 09, 2017

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To,

**M/s Tikaula Distillery,
Vill.-Tikaula, Dist.-Muzaffarnagar
U.P.-251001**

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 Tikaula Distillery, Tikaula, Muzaffarnagar, 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), on 29.12.2016 and, the unit was found closed; and

WHEREAS, CPCB issued directions dated 21.06.2017 under Section 5 of the Environment (Protection) Act, 1986, the unit, to remain closed & comply with the following directions;

1. Installation of online devices (web camera & flow, meter) and provide connection to CPCB/ UPPCB server for continuous supply of data transmission.

(Contd..2/-)

2. 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.
 - 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.
3. 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.
4. 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.
5. 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, unit submitted adequacy assessment report prepared by NSI, Kanpur and as per the adequacy assessment of NSI Kanpur, the basic plant machinery of the unit is adequate to cope up with the requirement of ZLD for 45 KLPD molasses based production. Following are the observation made by NSI, Kanpur;

1. The unit has adopted batch type fermentation along with MPR Distillation system.
2. The unit has obtained concentration of spent wash from MEE plant to the extent of approx.30% solids.
3. The unit is using its yeast sludge and spent wash sludge in Bio-composting.

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

(Contd..3/-)

WHEREAS, The Three Member-Committee in its meeting held on 31.10.2017 examined the adequacy report of the unit and recommended that the unit may be allowed to resume operation and shall submit action plan within 15 days and revalidate the adequacy assessment report by the same agency within 45 days.

AND NOW THEREFORE, in view of the above observation, and exercising powers delegated to the chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, the unit (M/s Tikaula Distillery, Tikaula, Muzaffarnagar, U.P.) is directed to comply with the following directions.

1. The unit shall submit the implementation status report of action taken against the recommendation of adequacy report within 15 days.
2. Analysis of raw spent wash, treated bio-methanated spent wash, concentrated spent wash should be done regularly.
3. Factory should take appropriate measures along to reduce spent wash generation/litre of alcohol and shall submit time bound action validated by NSI, Kanpur.
4. Rain water harvesting system should be installed at factory premises so as to conserve and use rain water.
5. Factory should develop analytical facilities along with trained staff.
6. Analysis of raw spent wash, treated bio-methanated spent wash, concentrated spent wash should be done regularly for important parameters and log book to be maintained.
7. Analysis of Bio-compost to be done regularly and proper certification needs to be obtained.
8. 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/U PPCB.
9. The unit shall identify recipient drains/rivulets and their u/s & d/s locations in consultant with UPPCB and shall 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/U PPCB.
10. The unit shall use concentrated spent wash: press mud 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/U PPCB.
11. The unit shall submit the implementation status report of action taken against the recommendations of adequacy report within 15 days and shall submit compliance report of the above mentioned directions along with re-validation report of the adequacy assessment carried out by the institute which has conducted adequacy of assessment and submit the reports within 45 days after resumption of operation.

(Contd..4/-)

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 Tikaula Distillery, Tikaula, Muzaffarnagar, U.P.), in accordance with the provisions of the Environment (Protection) Act, 1986, without any further notice.

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(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **The Chairman**
Uttar Pradesh Pollution Control Board,
Building No. TC-12 V, Vibhuti Khand
Gomti Nagar, Lucknow-226010
:With request to ensure the unit
complies with the directions.
2. **The Incharge (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,
Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010.
: For follow up and ensuring compliance
4. **The District Magistrate,**
Muzaffarnagar, U.P.
:With request to ensure compliance of
direction
5. **The Executive Engineer,**
Urja Bhawan
Paschimanchal Vidyut Vitran Nigam Ltd., Victoria
Park, Meerut -25000
:With request to re-connect the power
supply for industrial operations.
6. The In-charge, IPC-III, CPCB
7. The In-charge, IT Division, CPCB
8. Master file/Guard file RG Division

A. Sudhakar
(A.SUDHAKAR)
for MEMBER SECRETARY