

SPEED POST

B-190198/NGRBA(RG)/CPCB/Distillery/9/2016-17 9313

31 July, 2018

8th August 2018

To

**M/s Mohit Petro Chemical Pvt. Ltd.,
9 K.M. Stone Nagina Road,
District Bijnor-246701
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 Mohit Petro Chemical 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 issued direction dated 29-06-16 under section 18(1)(b) of water Act, 1974 to UPPCB to take prescribed steps immediately to resolve the issue of discharge of coloured effluent in the choiyya drain; and

WHEREAS, UPPCB issued directions dated 02-09-2016 under section 33(A) of water Act, 1974, in compliance of CPCB directions dated 29/9/2016 to the unit for compliance of following direction:

1. M/s Mohit Petrochemicals Pvt. Ltd., 9 K.M., Nagina Road, Bijnor are directed to collectively take steps for removing the colour in the drain and also to remove the deposited sludge in the bottom bed of the drain for preventing leaching out of colour in future.

(Contd..2/-)

2. It shall be ensured that M/s Mohit Petrochemical Pvt. Ltd., 9 K.M., Nagina Road, Bijnor shall comply the consent conditions and that coloured effluent shall not be discharged into Choiyya drain at any point of time.
3. A written undertaking on affidavit in this regard shall be submitted by the industry in particular and in the event of observation of coloured effluent near the downstream of Choiyya drain, the industry shall be held solely responsible and closed down immediately without any notice.

AND WHEREAS, the unit was inspected by the officials of Central Pollution Control Board (CPCB), on 22.12.2016 for the verification of compliance by the unit and following observations were made:

1. As per the production detail, partial production was observed in the month of July and Sep 2016, which is against the protocol that bio-composting, should be closed during rainy season.
2. The unit has not taken effective steps for removing the colour from choiyya drain and to remove the deposited sludge in the bottom bed of the drain.

AND WHEREAS, CPCB issued direction dated 07.04.2017, under section 5 to comply with the following directions;

1. The Unit shall not operate during rainy season as per the prescribed protocol.
2. The unit shall submit action taken report for removing the colour in the choiyya drain and to remove the deposited sludge in the bottom bed of the drain within 15 days after receipt of the direction.
3. The unit shall also submit action taken report for stoppage of discharge of coloured effluent into choiyya drain.
4. The unit shall maintain the records for the quantity of permeate and condensate being reused and the water balance accordingly.
5. The unit shall submit adequacy report of their existing zero liquid discharge system duly validated by reputed institution such as Vasantdada Sugar Institute, Pune, National Sugar Institute, Kanpur, IITs etc.

AND WHEREAS, the unit's replies vide letter dated 21.04.2017 & 8.05.2017, were examined and following observations were made;

- a) The unit has informed that they have adopted latest technology to achieve ZLD.
- b) Unit has installed flow meter at MEE concentrate, web cameras at requisite positions and provide its connectivity to CPCB server earlier.
- c) Industry has provided documented proof for the packaging of the bio-compost in sealed polybag.
- d) The unit has placed order for cleaning the drain dated 14.10.2016, regarding which the unit has informed to UPPCB via letter dated 22.12.2016.
- e) The unit has provided adequacy assessment report form IIT Roorkee.

AND WHEREAS, based on the assessment report CPCB issued direction dated 19-06-2017 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..3/-)

- a) Assessment of the manufacturing technology for generation of spent wash and revised adequacy assessment of ZLD system comprising of Biomethanation, RO, MEE, composting/incineration system and steam availability, etc. Covering the CPCB observations/recommendations about the unit's report dated 21.4.2017 & 08.05.2017.
 - 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.
 5. To take steps for removing the colour in the drain and also to remove the deposited sludge in the bottom bed of the drain for preventing leaching out of colour in future.

AND WHEREAS, unit submitted adequacy assessment report prepared by VSI, Pune, on 20.08.2017 however failed to comply with the following CPCB directions issued on 19.06.2017, under section 5 of Environment (Protection) Act, 1986:

1. The unit has not carried out monthly monitoring of the identified recipient drain at u/s & d/s locations.
2. The unit has not submitted analysis report of water samples collected from u/s & d/s locations of identified recipient drain on monthly basis (by 10th of every month) to CPCB.
3. The unit has not 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. on monthly basis (by 10th of every month) to CPCB.
4. The unit has not provided documentary support for procurement/ availability of press mud, sale of compost and compost quality on monthly basis (by 10th of every month) to CPCB.

AND WHEREAS, the unit was issued show cause notice dated 01.01.2018 under section 5 of Environment (Protection) Act, 1986 and was directed to implement the following measures besides other pollution control measures:

1. To carry out monthly monitoring of the identified recipient drain 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.
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.

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3. To use concentrated spent wash: press mud ratio of 1:1.6 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.
4. To restrict the spent wash concentration to about 85 KLPD with 30% solids, as per the recommendation of VSI, Pune.
5. To install condensate polishing unit for treatment of spent lees, process condensate, cooling tower blow down etc.
6. To remove prepared bio-compost from the compost yard before the start of rainy season.
7. To improve the steam economy of evaporation plant as per adequacy report recommendation.
8. To take proper care of green belt surrounding the bio-compost yard.
9. To implement rain water harvesting inside the distillery premise.
10. 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 after recipient of the direction.

AND WHEREAS, the unit has replied to the show cause notice vide letter dated 18.01.2018, 09.05.2018, 07.06.2018. As per unit's reply, the following observations are made;

1. The unit has submitted water analysis report of chhoiya drain for the month of January and Feb, March & April 2018 to the CPCB.
2. The unit has 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 for December, 2017.
3. The unit is using concentrated spent wash: press mud in the ratio 1:1.6. It has also provided documents in support of procurement/ availability of press mud, sale of compost and compost quality to CPCB/UPPCB in the prescribed format.
4. The unit has maintained spent wash concentration to about 85 KLPD with 30% solids, as per VSI, recommendation.
5. The unit has planted 1000 of trees in the unit surrounding bio-compost yard to maintain green belt.
6. The unit has installed 400m³/day capacity C.P.U for treatment of spent lees, process condensate, cooling tower blow down etc.
7. The unit has constructed 1.8 acre bio-composting shed for rainy season.
8. The unit has installed 02 numbers of PHEs for heating the feed by raw spent wash to improve the steam economy as per VSI recommendation.
9. The unit has installed 02 numbers of rain water harvesting tank and one piezometer inside the distillery unit.
10. The unit has submitted the revalidated adequacy report dated 29 March 2018.

AND NOW, THEREFORE, in view of the above observations and in exercise of the powers, delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986,

(Contd..5)

the Show Cause Notice dated January 1st, 2018 is hereby revoked and the unit is directed to operate as per the consent condition and shall also comply with the following:

1. The unit shall submit 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.
2. The unit 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 submit the analysis report on monthly basis (by 10th of every month) to CPCB/UPPCB.
3. The unit shall implement the recommendations of the revalidated adequacy report and shall submit the action plan within 30 days for the same.

In case of default in compliance with the above directions or any other exigencies, CPCB will be constrained to initiate further 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 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 In-charge, IT Division, CPCB

5. Master file/Guard file WQM –II Division

(PRASHANT GARGAVA)
MEMBER SECRETARY