

Speed Post

B-190198/NGRBA(RG)/CPCB/Distillery/11/2016-17-8796

August 25, 2017

To,

**M/s Jubilant Life Sciences Ltd., Distillery unit
(Ms/ Vam Organic Chemical Ltd.)
Distt. Gajraula, J.P. Nagar 244223**

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 Jubilant Life Sciences Ltd., Distillery unit (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 joint inspection team of officials of Central Pollution Control Board (CPCB), UPPCB on 30/05.2017 under the Hon'ble NGT order and following observations made;

1. The unit was not in operation however, the bio-composting action was being carried out.
2. The unit should comply with the action points pertaining to testing, packing of compost in bags and marking quality/composition of finished compost, as specified in the directions issued by CPCB to Ganga Basin SPCBs on 24.02.2015.
3. The unit shall restrict the maximum available capacity to 30 days of concentrated spent wash generation. UPPCB has reduced the allowable storage in the lagoon to about half of

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its capacity by specifying a condition in the 'Consent to operate' that storage shall be limited to below red marking. The unit has not yet decided the method of removal of accumulated sludge. The unit is considering in removing the sludge by some pumping arrangement, as no partition is available in the lagoon. The unit has provided metal fencing along the boundary of storage lagoon.

4. In view of large dimensions of the lagoon, the sludge management in the lagoon will be simplified by partitioning into 3-4 compartments so that one cell can be emptied at a time for periodic cleaning.
5. The unit have 05 wells for ground water monitoring. The unit shall continue to monitor the ground water quality in every six months (pre & post monsoon) in and around bio-composting yard, storage lagoons and old lagoons sites and the report shall be submitted to UPPCB, and shall also display the results in public domain.
6. Unit has maintained inventory record of press mud, bio-compost and waste water utilization.
7. The unit's present volumetric capacity of effluent concentration units (R.O & MEE) is reduced to 2225 KLD (against 2320 assessed by special committee) due to non-functioning of one of the two R.O plants.
8. The unit's production capacity corresponding to effluent concentration is estimated to be 215 KLD instead of 190 KLD.
9. The unit has removed fly ash deposition and greenery is being developed.
10. The unit should ensure that wherever spread of spent wash has taken place, the soil layer be scrapped and utilized by appropriately mixing with press mud in bio-composting.

AND WHEREAS, the unit was again inspected by the officials of CPCB and UPPCB on 30.06.2017, to verify the compliance of order dated 31.05.2017 of Hon'ble NGT. The following observations were made;

1. The unit has started its operation since 06.06.2017 and found that the unit has restricted its production capacity of alcohol to less than 190 KL/ day.
2. At the permitted alcohol production rate of 190 KL the unit is expected to generate about 20000 KL concentrated effluent in a month. The level of concentrated spent wash in storage lagoon was found about 4.6 meter below the top and 1.8 below the bottom.
3. The unit carries out monitoring of ground water quality in the proximity of storage lagoon and compost yard twice in a year, pre-and post monsoon through a private lab.
4. In regard with the packing of compost and marking quality, the unit 'vide its compliance report dated 15.6.2017 to UPPCB and has informed that they have procured a pilot machine for compost screening and packing.

AND 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 Jubilant Life Sciences Ltd., (Distillery Division) is directed to compliance with the following directions;**

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1. The unit shall comply with recommendations /observations of the joint inspection team.
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) To restrict lined concentrated effluent storage capacity to 30 days, and
 - d) 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 within 75 days.
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.

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 Jubilant Life Sciences Ltd., (Distillery Division), 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-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow – 226 010

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

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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, IPC-III, CPCB

: For information pl.

5. The In-charge, IT Division, CPCB

: For information pl.

6. Master file/Guard file RG Division



(A. B. Akolkar)

MEMBER SECRETARY