

**Speed Post**

B-190198/NGRBA(RG)/CPCB/Distillery/23/2016-17 76

April 2<sup>nd</sup>, 2018

To,

M/s Lords Distillery Limited,  
Nandgunj, Ghazipur  
U.P. 233311

**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 Lords Distillery Limited, Nandgunj, Ghazipur (hereinafter referred as 'the Unit') is involved in the 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), Delhi on 12.01.2017 and during inspection, the unit was found closed; and

**WHEREAS**, CPCB issued direction dated 12-06-2017 under Section 5 of the Environment (Protection) 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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- 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 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**, unit submitted adequacy assessment report prepared by NSI, Kanpur, on 22.11.2017 and as per the adequacy assessment, following observations were made;

1. The unit has adopted fed batch fermentation along with atmospheric distillation. The raw spent wash generation is 13 litres per litre of alcohol. The unit may adopt MPR system instead of atmospheric distillation for higher efficiency and lower steam requirements.
2. The ETP of the unit, comprising of bio-digester, R.O., followed by MEE and biocomposting is found adequate to cope up with the requirements of ZLD.
3. The installation of mass flow meters at the inlet and outlet of MEE as well as at the raw spent wash generation line was completed as per the unit's letter to CPCB dated 14.10.2017.
4. The unit is yet to establish connectivity of mass flow meters to CPCB and UPPCB servers.
5. The unit is yet to identify the recipient drains/rivulets and their u/s and d/s locations.
6. Analysis of raw spent wash and concentrated spent wash has to be done regularly for important parameters and has to be maintained in log book.
7. The unit should take appropriate measures to reduce spent wash generation per litre of alcohol.
8. The unit has provided details of total press mud purchased from April, 2016-March, 2017.

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

**AND WHEREAS**, the unit was issued show cause notice dated 01.01.2018 and was directed to implement the following measures besides other pollution control measures:

1. To establish connectivity of online monitoring devices 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 to CPCB & UPPCB servers.
2. To take appropriate measures to reduce spent wash generation per litre of alcohol as per the recommendations of the adequacy report.
3. 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 10<sup>th</sup> of every month) to CPCB/UPPCB in the prescribed format. (Format enclosed herewith).
4. To identify recipient drains/ rivulets and their u/s & d/s locations in consultation with UPPCB and to carry out monthly monitoring of the identified recipient drains at u/s & d/s location through lab recognised under Environment (Protection) Act, 1986 and to submit the analysis report on monthly basis (by 10<sup>th</sup> of every month) to CPCB/UPPCB.
5. 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 10<sup>th</sup> of every month) to CPCB/UPPCB in the prescribed format. (Format enclosed herewith).
6. To carry out analysis of raw spent wash and concentrated spent wash for important parameters such as pH, COD, BOD, solid content etc., on a regular basis and to maintain a log book for the same.
7. To develop analytical facilities along with trained staff having environmental background.
8. 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 resumption of operation.

**AND WHEREAS**, the unit has replied to the show cause notice vide letter dated 20.01.2018. As per unit's reply, the following observations are made;

1. The unit has established connectivity of online monitoring devices 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 to CPCB & UPPCB servers.
2. The unit has reduced spent wash generation per litre of alcohol from 13 KL/KL to 10.0 KL/KL

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3. 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.
4. The unit has identified the u/s and d/s locations of recipient river Ganga and has submitted analysis report for the month of January, 2018 to the CPCB.
5. 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.
6. The unit is carrying out analysis of raw spent wash and concentrated spent wash for important parameters such as pH, COD, BOD, solid content etc., on a regular basis and is maintaining log book for the same.
7. The unit has well equipped laboratory facility with trained laboratory staff.
8. The unit has already placed order to Director, NSI, Kanpur, for revalidation of adequacy report.

**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, the Show Cause Notice dated January 1<sup>st</sup>, 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 10<sup>th</sup> 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 10<sup>th</sup> of every month) to CPCB/UPPCB.
3. The unit shall provide documentary support for procurement/ availability of press mud, sale of compost and compost quality on monthly basis (by 10<sup>th</sup> of every month) to CPCB/UPPCB in the prescribed format.

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

(Contd..5/-)

Copy to:

**1. The Chairman**

Uttar Pradesh Pollution Control Board,  
Building No. TC-12 V, Vibhuti Khand  
Gomti Nagar, Lucknow-226010

: For kind information, please.

**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 kind information, please

**4. The In-charge, IT Division, CPCB**

: For uploading in CPCB website

**5. Master file/Guard file WQM-II Division**



(A Sudhakar)

MEMBER SECRETARY