

**Speed Post**

B-190198/NGRBA(RG)/CPCB/Distillery/21/2016-17

Jan, 02, 2017

To,

**M/s Radico Khaitan Ltd.,  
Bareilly Road Rampur,  
(A Unit of Radico Khaitan)  
Rampur- 244901, (U.P.)**

**SHOWCAUSE NOTICE 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 Radico Khaitan Ltd., (Distillery Division) Uttarakhand (hereinafter referred as 'the Unit') is involved in the production 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) dated 05.1.2017.

**WHEREAS**, CPCB issued direction dated 02 June, 2017 under section 5 of 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 UPCCB within 60 days:

**(Contd..2/-)**

- a) Assessment of the manufacturing technology for spent wash generation 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.
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 10<sup>th</sup> of every month) to CPCB/UPPCB.

**WHEREAS**, the unit submitted adequacy assessment report dated 29.09.2017 prepared by VSI, Pune and as per the adequacy assessment the following observations are made;

1. Performance of RKL molasses based plant and effluent treatment plants were found satisfactory considering the spent wash generation and available spent wash effluent treatment system.
2. The spent wash generation is estimated to be 6.48 L/L of alcohol production.
3. The unit is having a total bio-compost area of 52 acres, which is sufficient for bio-compost of concentrated RO and RO Polishing reject.
4. Performance of the grain based plant and effluent treatment plant was found satisfactory.
5. The unit has installed 26 TPH biogas fired boiler and 30 TPH biogas cum rice boiler and provide its connectivity to CPCB/UPPCB Server.
6. The unit has installed 02 piezometers at compost yard 1 and 02 piezometer at compost yard 2.
7. The unit has installed flow meter with totalizer at the inlet of ROs/MEE, Outlet of ROs/MEE.
8. The unit has identified the recipient rivulets, named Kosi River, which is about 5 km from the unit.

**AND WHEREAS**, the unit has not complied with the following CPCB direction issued dated June 02, 2017;

(Contd..3/-)

1. The unit has not provided the 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.
2. The unit has not submit the documentation 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.
3. The unit has not identified recipient drains at u/s & d/s location as per CPCB directions.
4. The unit has not carried out monitoring of the identified recipient rivulets at u/s & d/s location through Environment Protection Act, 1986 recognised lab and shall submit the analysis report on monthly basis (by 1<sup>0th</sup> of every month) to CPCB/UPPCB.

**AND WHEREAS**, the unit (M/s Radico Khaitan Ltd., (Distillery Division)) is required to implement following measures besides other pollution control measures;

1. To complete connectivity of mass flow meter with CPCB server.
2. To dispose off the ready bio-compost lying on the compost yard.
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(enclosed).
4. To 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 10<sup>th</sup> of every month) to CPCB/UPPCB.
5. To 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 10<sup>th</sup> of every month) to CPCB/UPPCB in the prescribed format (enclosed)
6. To submit the implementation status report of action taken against the recommendation of adequacy report within 15 days and shall 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 NOW, THEREFORE**, in view of the unit's non-compliance to CPCB directions dated 02, June 2017, and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, notice is served herewith to **show cause why appropriate environmental compensation not be imposed on the unit** (M/s Radico Khaitan Ltd., (Distillery Division)) **and why the unit should not be closed down** until all the necessary pollution control measures are planned and implemented so as to comply with the directions dated 02 June 2017 to the satisfaction of CPCB.

(Contd..4/-)

You are hereby given an opportunity to file your objections (if any) to the above proposed direction within 15 days from the receipt of this notice, failing which appropriate action shall be taken against the Unit without giving any further notice, in accordance with provisions of the Environment (Protection) Act, 1986.

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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.

**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, CPCB Delhi

  
(A SUDHAKAR)  
MEMBER SECRETARY







