

Speed Post

F.No.B-222/PCI-III/2K11-2K12/ 6509

June 29, 2018

To,

M/s Bajaj Hindustan Sugar Ltd. (Distillery Unit),
Village -Athdama, Tehsil-Rudhauri,
Dist. Basti, Uttar Pradesh-272151

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 Bajaj Hindustan Ltd. (Distillery Unit), Village -Athdama, Tehsil-Rudhauri, Dist. Basti, Uttar Pradesh (hereinafter referred as 'the Unit') was inspected by the officials of CPCB during May 02-04, 2011 and based on the observations made, directions were issued on 13.05.2011 by CPCB under section 5 of the Environment (Protection) Act, 1986 for compliance; and

WHEREAS, the Unit's reply to the directions was examined and CPCB had issued direction under section 5 of the Environment (Protection) Act, 1986 on 28.11.2011 to the Unit for compliance of the measures including adoption of Zero Liquid Discharge (ZLD); and

WHEREAS, the Unit's reply to the direction was examined and the Unit was inspected by a team of CPCB officials in December, 2011 and afterwards on 15.07.2014 and based on the observations made during the visit, the unit was issued Show cause notice u/s 5 of the Environment (Protection) Act, 1986 for not complying with the directions of CPCB; and

WHEREAS, the Unit's reply to the S/c notice was examined, wherein the Unit had provided documentary evidences regarding installation of MEE for achieving ZLD and the unit was informed to complete the installation within the stipulated time frame of the ZLD action plan; and

WHEREAS, the Unit was inspected by the officials of CPCB, RD, Lucknow on 02.03.2017 and based on the observations made during the visit CPCB had issued direction u/s 5 of the Environment (Protection) Act, 1986 to the unit dated 17.05.2017 for closing down the manufacturing operations and not to restart operation until complying with the directions; and

WHEREAS, the unit has provided reply to the direction issued by CPCB vide letters dated 22.09.2017 and 24.11.2017 along with supporting documents and the Three Member Committee constituted for examination and recommendation of the revocation of closure directions issued by CPCB, had recommended revocation of closure subject to certain conditions; and

WHEREAS, based on the recommendation of the Three Member Committee, CPCB had revoked the closure direction issued to the unit on 07.12.2018 and allowed resumption of manufacturing operations subject to the following conditions;

1. The unit shall strictly ensure Zero Liquid Discharge from the premise and its continuous compliance as per the 'Consent to Operate' condition of UPPCB and shall provide requisite provisions for reuse of treated effluent.
2. The unit shall ensure continuous operation of the MEE, so as to achieve the spent wash volume reduction of 60% and solid concentration of 30 % in the concentrate and shall provide requisite provisions for the reuse of the condensate generated from MEE, ensuring that the condensate is not discharged outside the premises.
3. The R.O plant installed for the treatment of MEE condensate, cooling tower blow down, D.M reject etc. shall be continuously operated and requisite provisions for the reuse of the permeate from this R.O plant shall be provided, ensuring that the permeate is not discharged outside the premises.
4. The unit shall submit a performance evaluation report including actual water audit and mass balance w.r.t achievement of ZLD at the installed capacity by the same institute which carried out the adequacy assessment, within 45 days of commencement of operations.
5. It shall be ensured that the installed OCEMS devices, cameras and flow meters are functioning properly & continuously and that data from that device are uninterruptedly transferred to CPCB. Any failure in his regard shall be rectified at the earliest.
6. The unit shall ensure periodic calibration of the analyzers as per Standard Operating Procedure/recommendations of the supplier and submit the calibration results.
7. The unit shall ensure bio composting as per set protocol and shall provide documentary support for the procurement/availability of press mud, sale of finished compost and finished compost quality on monthly basis (by 10th of every month) to CPCB/UPPCB.
8. The unit shall set up a dedicated environmental cell.
9. The unit shall inform the date of resumption of its production to CPCB at Head office, Delhi and at CPCB, RD, Lucknow; and

WHEREAS, the Unit was again inspected by the officials of CPCB, RD, Lucknow on 01.05.2018 to verify the compliance to direction issued by CPCB and the following major observations are made;

1. The unit is engaged in manufacturing of Rectified Spirit (RS), Extra Neutral Alcohol (ENA) & Anhydrous Alcohol with installed capacity of 160 KLD using Molasses as raw material and was in operation and had resumed its operation on 28.01.2018.
2. The unit has installed Effluent Treatment Plant (ETP) which comprises of Digesters (02 nos., spent wash storage lagoon, Clarifier, Lamella Clarifier, MEE, Bio-methanated spent wash storage lagoon & Bio-composting Yard. Unit has provided a Condensate Polishing Unit (CPU) comprising of RO plant for MEE condensate and other non process effluent.
3. The reported BOD & COD reduction in the Bio-Digesters, as per the analysis results of samples collected is very less (37.69% BOD and 28.37% COD), indicating poor operation & maintenance of digesters. The R.O permeate and MEE condensate has high value of BOD and COD against the design values, indicating improper operation of these systems by the unit.
4. Due to improper drain system inside unit, all drains inside units was found flooded with effluent. It was also observed that coloured water (Colour – 625 Haze, BOD – 51.5 mg/l & COD – 314 mg/l) is stored in one of the many ponds located adjacent to the unit, used for fish cultivation.
5. The unit has not complied with the conditions of the revocation direction issued by CPCB on 07.12.2018, with respect to;
 - Submission of performance evaluation report w.r.t achievement of ZLD at the installed capacity by the same institute which carried out the adequacy assessment, within 45 days of commencement of operations – **Not complied with.**
 - Ensure bio-composting as per set protocol and providing documentary support on monthly basis – **Not complied with.** The unit is not properly carrying out bio-composting and does not comply with the protocol of bio-composting. The unit has provided hand pumps in the bio-composting yard for ground water quality monitoring, which was not in operating condition. The flooding of spent wash was observed in the bio-composting yard. The unit has two aero-tellers for bio-composting purpose, which was found not in operation. The spray of spent wash on windrows was carried out manually. Unit has not restricted the available storage capacity for spent wash to 30 days equivalent of concentrated spent wash, as per CPCB directions.
 - The unit has not informed the date of resumption of operations to CPCB/R.D.

NOW, THEREFORE, in view of the events, as described above and exercising the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, the distillery unit is hereby directed to **“close down all its manufacturing operations and not to restart manufacturing”** till it complies with the following directions and obtains permission from CPCB;

1. Since the unit has continuously failed to follow the Bio composting protocol, the unit shall explore the possibilities of switching over to incineration system for spent wash in a time bound manner.

2. The unit shall strictly comply with bio-composting protocol of CPCB, till such time it switches over to incineration technology. The unit should restrict the spent wash storage capacity equivalent to 30 days of concentrated spent wash generation and excess storage capacity should be dismantled or suitably level marked.
3. The unit should provide explanation regarding non compliance to CPCB directions with respect to submission of performance evaluation report of ZLD systems.
4. The unit should ensure proper operation and maintenance of its ETP systems including Bio-Digesters, RO plant and MEE, so as to achieve the designed efficiency and performance of these systems.
5. The unit should strictly ensure ZLD from the premises and avoid incidents of storing coloured effluent in the adjacent fish ponds etc.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit, in accordance with the provisions of the Environment (Protection) Act, 1986, without giving any further notice.

(S. P. Singh Parihar)
CHAIRMAN

Copy to:

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| 1) The Chairman,
Uttar Pradesh Pollution Control Board
Building No. TC-12V, Vibhuthi Khand
Gomti Nagar, Lucknow - 226 020 | <i>: For ensuring compliance of the directions please.</i> |
| 2) The Regional Director,
CPCB Regional Directorate,
PICUP Bhawan, Ground Floor, Vibhuthi Khand,
Gomti Nagar, Lucknow-226010 | <i>: For follow up and ensuring compliance please.</i> |
| 3) The District Magistrate,
District Basti, Uttar Pradesh | <i>: For information and ensuring compliance of the directions please.</i> |
| 4) The Chief Engineer (Basti Zone),
Purvanchal Vidyut Vitran Nigam limited,
Malviya Road, Basti-1, Uttar Pradesh | <i>: With a direction to disconnect power supply to the manufacturing operations of Distillery unit please</i> |
| 5) The In-charge, (CP Division),
Ministry of Environment, Forests & CC,
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003 | <i>: For information, pl.</i> |
| ✓ 6) The Div. Head, IT Division, CPCB Delhi | |
| 7) The Div. Head, IPC-III Division, CPCB Delhi | |



(A Sudhakar)
MEMBER SECRETARY