



Speed Post

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November 8th, 2018

15th

To,

M/s Bajaj Hindustan Sugar Ltd.,
Bilal, Bijnor, U.P.-246726.

DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986-reg.

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 Bajaj Hindustan Sugar Ltd., Bilal, Bijnor (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, CPCB issued directions dated 16.05.2017 under Section 5 of Environment (Protection) Act, 1986 to the unit to remain closed and for carrying out ETP adequacy assessment by reputed institutions; and

WHEREAS, CPCB received adequacy assessment report vide letter dt. 12.10.2017 from the unit prepared by NSI, Kanpur; and

WHEREAS, CPCB issued directions dated 08.11.2017 under Section 5 of Environment (Protection) Act, 1986 to the unit to operate at restricted capacity of 7000 TCD; and

WHEREAS, the unit was inspected on 22.03.2018 by officials from CPCB, Delhi and following observations were made;

1. The analysis of treated effluent sample shows pH-7.49 as against norms of 5.5-9.0, BOD-04 mg/l against norms of 30 mg/l, COD- 19 mg/l against norms of 250 mg/l & TSS- 24 mg/l against norms of 30 mg/l.
2. The analysis of effluent sample collected from lagoon shows pH-6.57 as against norms of 5.5-9.0, **BOD-123 mg/l** against norms of 100 mg/l, **COD- 302 mg/l** against norms of 250 mg/l, & **TSS- 119 mg/l** against norms of 100 mg/l which indicates non-compliance w.r.t. BOD, COD & TSS against land discharge norms prescribed under Environment (Protection) Rules, 1986.

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3. All drains were overflowing with effluent in the premises of the unit. Some drains contain condensate water and others contain effluent flowing from ETP.
4. The unit failed to submit revalidated ETP adequacy assessment report within 45 days from the date of resumption of operation to CPCB.

WHEREAS, the unit submitted the revalidated adequacy assessment reports validated by NSI, Kanpur vide letter dt. 07.05.2018 and following recommendations have been made in the report;

1. Flow meters to be installed at major unit operations to ascertain and control hot and cold water requirement.
2. Flow meter cum totalizer may be provided at ETP inlet with proper recording of data. The flowmeter at ETP outlet is required to be calibrated.
3. A separate system for process and cooling tower over flow treatment must be installed.
4. The sludge handling capacity of the ETP must be enhanced as suggested in the adequacy report.
5. Sulphate removal system must be provided in the PCT blow down.
6. The unit must construct hazardous tank for collecting washings of chemical cleaning and then add them gradually to ETP.
7. The capacity of the ETP plant shall be adequate to handle the generated effluent from the plant at the capacity of 7500 TCD.
8. The generation of effluent from the factory as per the OCEMS readings is expected to be around 96.15 l/tonne of cane crushed at 7500 TCD which appears to be unusually low.

WHEREAS, CPCB issued Show Cause Notice dated 09.05.2018 under Section 5 of Environment (Protection) Act, 1986 based on the observation made in the inspection report of 22.03.2018; and

WHEREAS, the unit reply dated 31st May,2018 was examined and following observations were made:

1. The unit has submitted analysis report of the treated effluent from its ETP and that of its lagoon effluent along with the letter.
2. The unit has submitted that the drains in its premises are cleaned frequently to remove the settleable solids to improve the efficiency of the system. During the visit, the same work was in progress and therefore the drains seemed full.
3. The unit has installed two nos. of mini cooling tower to recycle excess hot water condensate in process to reduce water consumption.
4. Validation of implementation of the recommendations mentioned in the adequacy report has already been submitted to CPCB.

WHEREAS, CPCB through an Expert Committee comprising of experts from National Sugar Institute (NSI), Kanpur, Vasantdada Sugar Institute (VSI), IITs and representatives from sugar mills prepared a Charter for Water Recycling and Pollution Prevention (hereafter referred to as the Charter); and

WHEREAS, a meeting of sugar mills operating in Uttar Pradesh, representatives of UPPCB and CPCB was held on 06.07.2018 under Chairmanship of Principal Secretary, Sugar Industries and Sugarcane Development, Government of Uttar Pradesh and the following decisions are made:

1. Sugar Mills shall submit an action plan to CPCB by 20.07.2018 regarding the steps taken by them pertaining to the notices issued to them. Also they shall submit action plan to implement recommendations of their adequacy assessment report.

2. All sugar mills shall ensure implementation of Charter and shall submit action plan to CPCB by 20.08.2018.
3. All sugar mills shall ensure the upgradation of their ETP within August, 2018 so as to ensure no interruption in functioning of the ETP in the following seasons.
4. All sugar mills shall maintain a logbook on ETP operations on a daily basis.
5. ETP shall be operational at all times and all bypass arrangements should be dismantled with immediate effect.
6. MLSS in aeration tanks should be maintained at 2000-2500 mg/l.
7. All sugar units shall set up environmental laboratories for regular analysis of raw and treated effluent thereby ensuring proper functioning of the ETP.
8. All sugar mills shall employ dedicated technicians for operating and regular maintenance of ETP and shall also ensure that the technicians are given proper training on ETP maintenance and lab analysis on regular basis.
9. To ensure proper training of the environmental technicians all sugar mills shall facilitate training of 5 employees.
10. All sugar mills may establish an Environment Management Cell at their level consisting of concerned officials in order to ensure compliance with environmental standards at industry level itself.

WHEREAS, the unit vide letters dated 20.07.2018, 07.09.2018 and 10.09.2018 has submitted their compliance status of the Charter, which was examined and following observations were made:

1. The unit is in the process of installing necessary flow meters at requisite points as prescribed under the charter.
2. The unit has submitted action plan/ compliance report on upgradation of ETP.
3. The unit is maintaining proper logbook for bore-well readings thereby recording their fresh water consumption on regular basis.
4. The unit has already set up environmental laboratory.
5. The unit has submitted compliance report on BMT for Water Recycling and Pollution Prevention.

AND NOW, THEREFORE, in view of the above observations, and exercising powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, the unit (M/s Bajaj Hindustan Sugar Ltd., Bilai, Bijnor) is directed to comply with the following directions before start of the crushing season 2018-19;

1. The unit shall restrict its production capacity upto 7500 TCD and shall start only after obtaining valid consent from UPPCB.
2. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
3. The unit shall install sealed flow meter along with running hours meter on bore wells so as to ascertain usage of fresh water for various uses.
4. The unit shall install flow meters at major areas of cold and hot water consumption.
5. The unit shall install flow meters for measuring generation of effluent from various prominent areas.
6. The unit shall maintain logbook for individual process unit for recording daily water consumption and effluent generation also.
7. The unit shall commission mechanical sludge handling system of adequate capacity.

8. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
9. The unit shall carry out analysis of parameters as per Environment (Protection) Rules, 1986 on daily basis and maintain logbook of the same.
10. The unit shall submit the implementation status of the Charter in the form of Affidavit and the documentary proof of the completion of the work as committed in the action plan.
11. The unit shall submit implementation status of the Charter and performance adequacy audit of ETP including actual assessment of water consumption and effluent generation duly validated by reputed expert institute namely NSI Kanpur, VSI Pune, IITs during crushing season & submit the report to CPCB within 60 days of resumption of operation.

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


(S.P.S. Parihar)
CHAIRMAN

Copy to:

1. Principal Secretary (Sugar)
Sugar Industry and Cane Development Department,
"G" Block, 2/3, Mantri Wing
4th Floor, Bapu Bhawan
Vidhan Sabha Marg, Lucknow - 226 001
2. **Chairperson**
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow - 226 010
3. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003
4. **Regional Director**
Regional Directorate
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow - 226 010
- ✓ 5. In-charge, IT Division, CPCB
6. Master file/Guard file, WQM II, CPCB Delhi

With request to ensure compliance of the directions.

For kind information, please.


(Prashant Gargava)
MEMBER SECRETARY

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