



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
Speed Post MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

B-190198/WQM-II(RG)/CPCB/Sugar/06/2016-17

28 February, 2022

14267

7-3-2022

To,

M/s Bajaj Hindusthan 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, the unit was inspected by officials from Central Pollution Control Board (CPCB), Delhi on 22.03.2018 and following observations were made:

1. During inspection, the unit was found operational.
2. Untreated effluent was found stored into the lagoon and the sample analysis showed **BOD-123 mg/l** against the norms of 100 mg/l, **COD-302 mg/l** against the norms of 250 mg/l & **TSS-119 mg/l** against the norms of 100 mg/l which indicated non-compliance w.r.t BOD, COD & TSS against land discharge norms prescribed under Environment (Protection) Rules, 1986.

AND WHEREAS, based on the observation made in the inspection report dated 22.03.2018, CPCB issued Show Cause Notice to the unit dated 09.05.2018 under Section 5 of Environment (Protection) Act, 1986 to show cause why the unit should not be closed down until all the necessary pollution control measures are planned and implemented and also why appropriate environmental compensation not be imposed; and

WHEREAS, the unit replied vide letter dated 31.05.2018 and submitted the following:

1. The unit has submitted analysis report of the treated effluent from ETP and lagoon.

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

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दूरभाष/Tel: 43102030 22305792 वेबसाइट/Website: www.cpcb.nic.in

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.
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.

AND 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 effluent treatment by sugar factories situated in River Ganga basin for Water Recycling and Pollution Prevention (thereafter 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 were 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.

AND WHEREAS, the unit vide letters dated 20.07.2018, 07.09.2018 and 10.09.2018 has submitted their compliance status of the Charter; and

WHEREAS, CPCB issued direction dated 15.11.2018 under section 5 of the Environment (Protection) Act, 1986 to the Unit to comply with the following directions before commencement of crushing season 2018-2019:

1. The unit shall restrict its crushing capacity up to 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 commission mechanical sludge handling system of adequate capacity.
7. 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 action plan.
8. 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.

AND WHEREAS, the unit was inspected on 29.03.2019 by team of CPCB officials and following observations were made;

1. Analysis of treated effluent samples showed pH-7.50 against the norms of 5.5-8.5, BOD-57 mg/l against the norms of 100 mg/l, **TSS-210 mg/l** against the norms of 100 mg/l, COD-192 mg/l against the norms of 250mg/l and TDS 1404 mg/l against the norms of 2100mg/l which indicates non-compliance w.r.t TSS against land discharge norms prescribed under Environment (Protection) Rules, 1986.
2. Analysis of samples from lagoon showed pH-7.48 against the norms of 5.5-8.5, BOD-44 mg/l against the norms of 100mg/l, TSS-56 mg/l against the norms of 100mg/l, COD-143 mg/l against the norms of 250mg/l and **TDS 2404 mg/l** against the norms of 2100 mg/l which indicates non-compliance w.r.t TDS against land discharge norms prescribed under Environment (Protection) Rules, 1986.

AND WHEREAS, CPCB issued a show cause notice to the unit dated 06.06.2019 under Section 5 of the Environment (Protection) Act, 1986 to show cause why the unit should not be closed down until all the pollution control measures are planned and implemented w.r.t. prescribed effluent discharge standards as the unit failed to meet the effluent discharge norms; and

WHEREAS, the unit replied vide letter dated 24.06.2019 and submitted sample analysis results from EPA recognized lab indicating compliance with the prescribed norms; and

WHEREAS, CPCB issued directions dated 07.08.2019 under section 5 of the Environment (Protection) Act, 1986 to the unit to comply with the following directions:

1. The unit shall comply with CPCB directions dated 15.11.2018 and provide compliance report within 60 days.
2. The unit shall submit treated effluent analysis report from EPA recognized laboratory under Environment (Protection) Rules, 1986 within 15 days of resumption of operation in next crushing season.

AND WHEREAS, the unit vide letter dated 25.08.2021 submitted a reply and stated the following:

1. NSI, Kanpur has assessed and validated the ETP in season 2019-20, during the month of February, 2020.
2. VSI, Pune has also inspected the unit on 30.01.2021 and during the visit ETP was found adequate and working satisfactorily.
3. The unit requested CPCB to revoke the direction and allow the unit to restore the crushing capacity of 9000 TCD which was restricted to 7500 TCD.

AND WHEREAS, the request of the unit for restoration of crushing capacity from 7500 TCD to 9000 TCD was put up before 4-member committee during meeting held on 20.09.2021 and as per the minutes of the meeting, the unit's request was not recommended by the committee due to information gaps in adequacy report of NSI, Kanpur and incomplete data w.r.t. sludge management and handling details, aerator details etc.; and

WHEREAS, in compliance to 4-member committee meeting minutes, CPCB issued a letter to the unit on 23.11.2021 to obtain desired information regarding details of flow meters, ETP, water balance diagramme, Sulphate Removal System (SRS), aerator details in equalization tank and aeration tank, Centrifuge, Sludge management and handling, Solid mass balance etc. for necessary evaluation and reconsideration of the request to restore the crushing capacity from 7500 TCD to 9000 TCD; and

WHEREAS, the unit vide emails dated 17.01.2022 and 01.02.2022 submitted the requisite information in reply to CPCB letter dated 23.11.2021 and after examining the reply following was observed:

1. The unit submitted the design details, dimensions and retention time of various subunits of ETP, which is adequate for treatment of effluent generated at 9000 Ton cane crush per day @effluent generation of 127 L/T of cane crushed.
2. The unit has submitted sludge mass balance at restricted capacity as well as at enhanced capacity and it has installed centrifuge with capacity of 3 m³/hr for sludge handling.
3. The unit has provided the dimensions and retention time of two equalization tanks having capacity of 240 m³ and 224 m³ at restricted and enhanced crushing capacity, which is found adequate for 9000 TCD crushing capacity and the same has been verified.
4. The capacity of two blowers, 1500 m³/hr each is adequate for mixing of air in equalization and aeration tank.
5. The unit provided in-house analysis data of effluent at inlet of and outlet of SRS and based on which efficiency of Sulphate removal is approx. 70%.
6. The unit has submitted sample analysis report of ETP inlet and outlet dated 20.03.2020 through EPA recognized labs indicating compliance with the norms.
7. The unit has provided cane crushing data and effluent generation of crushing season 2019-20 from 01.01.2020 to 29.02.2020 and based on calculation, effluent generation at ETP inlet was 122.64 L/T of cane crushed and effluent discharge at ETP outlet was 115.39 L/T of cane crushed which was found complying w.r.t. final wastewater discharge limit i.e. 200 litre per tonne of cane crushed.

AND WHEREAS, the case was again put up before 4-member committee during meeting held on 08.02.2022 for reconsideration and as per the minutes of the meeting, based on the above

observations, committee recommended the request of the unit to restore its crushing capacity from restricted capacity of 7500 TCD to 9000 TCD; and

NOW, THEREFORE, in view of above observations and in exercise of powers delegated to Chairman CPCB 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:

1. The unit is allowed to restore its crushing capacity from 7500 TCD to 9000 TCD and shall start only after obtaining valid consent from UPPCB.
2. The unit shall continue to comply with the discharge norms prescribed under Environment (Protection) Rules, 1986.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s Bajaj Hindustan Sugar Ltd., Bilai, Bijnor) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

M/3 28/2
(TANMAY KUMAR)
CHAIRMAN

Copy to:

1. **Principal Secretary** : For kind information, please.
Sugar Industry and Cane Development Department,
"G" Block, 2/3, Mantri Wing,
4th Floor, Bapu Bhawan Vidhan Sabha Marg,
Lucknow - 226 001
2. **Member Secretary** : For kind information, please.
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow - 226 010
3. **Add. Secretary (CP Division)** : For kind information, please.
Ministry of Environment, Forest & CC
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003
4. **The District Magistrate** : For kind information, please.
Bijnor, U.P.-246701
5. **Regional Director** : For kind information, please.
Regional Directorate
Central Pollution Control Board,
PICUP Bhawan, Ground Floor, Vibhuti Khand,
Gomti Nagar, Lucknow - 226 010

✓ 6. In-charge, IT Division, CPCB

:with request to upload on CPCB server.

7. Master file/Guard file, WQM II, CPCB Delhi

— 9/3/22
— 06/03/2022
(PRASHANT GARGAVA)
MEMBER SECRETARY