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03rd September, 2019

To,

M/s Bajaj Hindustan Sugar Ltd.,
Distillery Unit, Kinauni Meerut,
Meerut, Uttar Pradesh

Sub: CLOSURE DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986 - Reg.

WHEREAS, Distilleries are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

WHEREAS, the Central Government has notified the standards for discharge/emission of environmental pollutants from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed there under; and

WHEREAS, it is obligatory on the part of industries to install effluent treatment plants (ETPs) and air pollution control devices (APCDs) to comply with the effluent discharge and emission 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, for strengthening the monitoring and compliance through self regulatory mechanism and inculcating the habit of self monitoring within the industries for complying with the prescribed standards, CPCB has mandated installation and operation of online continuous emission and effluent monitoring systems (OCEMS) by the 17 category & Ganga GPI industries on 'polluter pays principle'; and

WHEREAS, the sector specific requirement regarding installation of OCEMS for the 17 categories, including distilleries are already uploaded in the CPCB website and is available at <http://cpcb.nic.in/online-monitoring-clarification/>; and

WHEREAS, the Ministry of Environment & Forests, Government of India, vide Notifications No- S. O. 157 (E) of 27.02.1996 and S. O. 730 (E) dated 10.07.2002, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board, to issue directions to any industry or any local body or any other authority for violations of the standards and rules notified under the Environment (Protection) Rules, 1986 and amendment thereof; and

WHEREAS, M/s Bajaj Hindustan Ltd., Distillery Unit, Kinoni, Meerut, Uttar Pradesh, hereinafter referred to as 'the unit' was inspected by a team from WQM-II Division of CPCB on 18.07.2019 as a part of the verification of implementation of action plan for water conservation and compliance verification to discharge standards and the inspection team has made the following major observations:

1. At the time of inspection, the unit was found non-operational in compliance with 'CPCB Charter & Bio-compost protocol' whereby the unit is permitted to operate for 270 days. As

reported, the unit has shut-down its operations on 01.07.2019 and shall remain closed till 30.09.2019.

2. It is reported that the unit has installed systems such as bio digester, MEE, Bio composting facilities and CPU (R.O plant) as part of the Zero Liquid Discharge (ZLD) action plan.
3. A Drain (Storm Water) initiates from the unit that ends up in the 'Hindon' River. During inspection dark brown colored water was observed in the drain at confluence with 'Hindon' River, which flows at a distance of approx 1 km from the premises. The analysis results of the sample collected at the confluence point of the drain indicates values of **BOD as 54 mg/l, Colour - 249 Hazen and COD - 192 mg/l**, confirming discharge of industrial effluent from distillery unit.
4. Some of the local residents of the area, met by the team during the visit, also confirmed such discharge of coloured effluent to the River Hindon through the drain and also provided some photographic/video graphic evidence of discharge of effluent in large volume.
5. Uncovered Bio-compost yard (approx. 32 Acres) of the unit is located near agriculture (Sugar cane) field location. Leaching of effluent from the bio-compost yard to nearby drain was observed during inspection. Ash & compost was observed on the access road to the compost yard. The analysis results of the sample collected at the drain passing nearby compost yard, where leaching of spent wash from the yard was observed, indicates values of **BOD as 357 mg/l, Colour - 389 Hazen and COD - 867 mg/l**, confirming leaching/mixing of effluent from the compost yard.
6. Pipe snouts were observed in the nearby field to discharge industrial effluent; however as reported by the unit, those are part of irrigation management of the Sugar Unit.

WHEREAS, it is evident from the above observations made by the inspection team, that the unit is a **wilful defaulter** and is non-complying to the ZLD action plan of CPCB/Consent to operate conditions and is discharging untreated/partially treated coloured industrial effluent into River 'Hindon' through the industrial drain posing serious threat to the River water quality. The unit is also violating the bio composting protocol with respect to leaching of industrial effluent from the bio compost yard to the nearby agricultural field, which shall lead to the contamination of the soil and ground water in the area; and

WHEREAS, as per the sub rule (5) of the Rule 4 of the Environment (Protection) Rules, 1986, it is not expedient to provide opportunity to file objection against the proposed direction in view of the likelihood of a grave injury to the environment and CPCB considers that the act of the unit, as described in above paragraphs is substantial to **cause grave injury** to the environment.

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 (**M/s Bajaj Hindustan Sugar Ltd., Distillery Unit, Meerut, Uttar Pradesh**) is hereby directed to **"close down industrial activity if any and to remain closed and not to restart manufacturing operation"** until all the necessary pollution control measures are planned and implemented so as to comply with Zero Liquid Discharge condition and the prescribed bio composting protocol as per the following directions and obtains permission from CPCB;

1. The unit should immediately discontinue the discharge of untreated/partially treated coloured industrial effluent into River 'Hindon' through the drain and shall dismantle the arrangements made for this purpose. Any coloured untreated effluent stored/available shall be transferred to the lined lagoons and shall be disposed in an environmentally safe manner by giving proper treatment.

2. The leaching of coloured effluent from the compost yard to the nearby drain and agricultural fields shall be immediately arrested and such effluent shall be diverted into the lined lagoons and treated accordingly. Unit shall provide garland drain around the boundary of the compost yard with collection tank and collected surface runoff/excess spent wash shall be taken back to the lagoons/ETP.
3. The unit should carry out a comprehensive ground water monitoring of the area with required number of piezo-meters/hand pumps at upstream & downstream locations as per bio-composting protocol and submit its report to find out the impact on ground water of the area.
4. The unit shall carry out an adequacy assessment study of the existing pollution control systems by reputed Government institutes like NSI, Kanpur, VSI Nagpur, NEERI or IITs. The adequacy assessment study with implementation & completion report on the recommendations shall be submitted to ensure compliance of stipulated consented notified norms.

In case of default in compliance with the above directions by the Unit, CPCB will be constrained to initiate appropriate action against the Unit, in accordance with provisions of the Environment (Protection) Act, 1986.

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(S. P. Singh Parihar)
CHAIRMAN

Copy to

- 1) **The Chairman,** : *For ensuring compliance of the directions and submit action taken report please.*
Uttar Pradesh Pollution Control Board
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow - 226 020
- 2) **The Regional Director,** : *For follow up and ensuring compliance please.*
CPCB Regional Directorate,
PICUP Bhawan, Ground Floor,
Vibhuti Khand, Gomti Nagar, Lucknow-10
- 3) **The District Magistrate,** : *For information and n.a please*
Meerut, Uttar Pradesh
- 4) **The Chief Engineer,** : *With a direction to disconnect the powers supply to the unit and provide action taken report to CPCB please.*
Pashchimanchal Vidyut Vitran Nigam Ltd.,
Urja Bhawan, Victoria Park, Meerut -250001
- 5) **The Joint Secretary, (CP Division),** : *For information, pl.*
Ministry of Environment, Forests & CC,
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003
- 6) **The Div. Head, IT Division, CPCB Delhi**
- 7) **The Div. Head, IPC-III Division, CPCB Delhi**

(Prashant Gargava)
MEMBER SECRETARY