



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

CP-11/21/2023-IPC-III-HO-CPCB-HO/4/108

January.01,2024

To,

The Member Secretary
Meghalaya State Pollution Control Board
ARDEN", Lumpynngad, Shillong - 793 014,
Meghalaya

Directions under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 in the matter of M/s CMJ Breweries Pvt. Ltd., Byrnihat, Ri-Bhoi, Meghalaya

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, Central Pollution Control Board (CPCB) carried out the inspection of **M/s CMJ Breweries Pvt. Ltd.**, (hereafter referred to as 'the Unit') located at extended EPIP, Lower Balian, Umtru Road, Byrnihat, Ri-Bhoi, Meghalaya on 04.05.2023 and 02.11.2023 due to SMS alerts generated based on OCEMS (online continuous effluent monitoring system) data. The major observations made by the inspection team are as follows:

1. M/s CMJ Breweries Pvt. Ltd, Byrnihat is a grain-based distillery and produce Extra Neutral Alcohol. The Manufacturing facility has both the Distillery & Brewery (Capacity: 600 KL) units. The distillery is reported as ZLD plant.
2. On the day of Inspection, it was informed to the inspection team that the Distillery unit was under shut-down condition, since May 2023. Hence, water sampling from the ETP of the distillery unit and stack monitoring from the stack connected to the boiler of the distillery unit could not be done.
3. Two separate Effluent Treatment Plants (ETPs) are provided for treating the wastewater generated from the distillery and brewery at the facility. The facility

'परिवेश भवन' पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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

has both Aerobic & Anaerobic treatment tanks in both the ETPs of distillery & brewery.

4. The Brewery was operational during inspection and water Samples were collected from inlet and outlet of the ETP of Brewery Unit. The treated effluent water quality from the ETP of the brewery plant was found to be complying with the respect to the prescribed effluent discharge standards.
5. The Unit has provided the copy of application for renewal of CTO and Authorization under Hazardous Waste Rule to Meghalaya SPCB and not provided the valid CTO, which indicates operation of the unit without valid CTO.
6. The Unit has not installed OCEMS at the Distillery plant as per CPCB Guidelines. The unit vide its reply letter dated 04.09.2023 and informed CPCB that they have installed flow meters at the outlet of the distillery unit as per suggestion of Meghalaya SPCB. However as per CPCB circular dated 23.12.2016, flow meters should be installed at the raw spent wash/whole stillage generation line & the concentrated spent wash/whole stillage/thick syrup line connecting to final storage lagoon/tank before bio-composting/incinerator/dryer. For the distillery plants having advanced integrated multi effect evaporators, flow meters should be installed at the concentrated spent wash/whole stillage/thick syrup line connecting to the final storage lagoon/tank before bio-composting/incineration/dryer and at the alcohol production line for assessment of concentrated spent wash generation ratio.
7. As per the observation, the unit has installed camera at the outlet of the ETP of the distillery unit. However as per the CPCB circular no. B-410//DIST ONLINE/PCI-III/2K15-16 dated 23.12.2016, camera should be installed at relevant locations of bio-composting yard/DWGS/DDGS production area/incineration area and final spent wash storage lagoon/concentrated spent wash storage tank.

WHEREAS, CPCB vide its circular no. B-410//DIST ONLINE/PCI-III/2K15-16 dated 23.12.2016 has directed both molasses and grain based distilleries which are adopting zero liquid discharge (ZLD) of industrial effluent, as per the consent to operate from SPCBs, to install online flow-meters and PTZ cameras as given below:

1. Flow-meters: Online flow-meters with data recording facility which should be transmitted online to CPCB and SPCB shall be installed at the raw spent wash/whole stillage generation line and the concentrated spent wash/whole stillage/ thick syrup line connecting to the final storage lagoon/tank before bio-composting /incineration/dryer. For distillery plants having advanced integrated multiple effect evaporators where concentrated spent wash/whole stillage is being directly generated, now meters with similar specification shall be installed with data connectivity to CPCB and SPCB at the concentrated spent wash/whole stillage/ thick syrup line connecting to the final storage lagoon/ tank before bio-composting/incineration/dryerand at the alcohol production line for assessment of concentrated spent wash generation ratio.

2. PTZ cameras: The cameras should be IP camera with PAN, TILT Zoom, 5x or above focal length with night vision capability and should be installed at relevant locations of bio-composting yard/DWGS/DDGS production area/incineration area and final spent wash storage lagoon/cone. Spent wash storage tank, as applicable. The camera feed should be integrated with all camera controls (pan, zoom, tilt) and shown on central platform, where data on other parameters (effluent monitoring/flow-meters/emission monitoring) is displayed/submitted. The camera feed shall be provided without pre-requirement of any plug-in software for data display or data submission and shall be available in the Google chrome browser.

WHEREAS, it is evident from the above observations that the Unit does not have valid consent to operate and online emission monitoring system sensor connected to stack of the distillery Unit was not in working condition, location of the Camera is not correct as per CPCB protocol/guidelines (As per observation no. 8) & non-installation of flow-meters (as per observation no.7) as per CPCB guidelines; and

WHEREAS, the Ministry of Environment, Forest, & Climate Change, 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 other standards and norms; and

NOW, therefore, in view of above observations and in exercise of the powers conferred under section 18 (1) (b) of the Water (Prevention and Control of Pollution) Act, 1974, the following directions are issued to Meghalaya State Pollution Control Board (MSPCB) for its compliance:

1. Meghalaya State Pollution Control Board (MSPCB), shall take appropriate action against the Unit [**M/s CMJ Breweries Pvt. Ltd.**] for operation of the plant without valid CTO.
2. MSPCB shall not issue the Consent order to the distillery until it installs and connects all the required OCEMS devices with CPCB server such as flow-meters and PTZ cameras as per CPCB circular dated 23.12.2016 for the ZLD based distilleries.
3. MSPCB shall clearly mention the discharge method for both Brewery and Distillery plant separately and in case of Zero Liquid Discharge (ZLD) system the route to be followed to achieve the ZLD system shall be clearly mentioned in the consent order.
4. MSPCB shall mention the requirement of impervious storage lagoon/tank, if any, for distillery plant in the consent order and should ensure that the Unit must not install the spent-wash storage lagoon/tank more than the required capacity.

5. The start of manufacturing operation of the Distillery Unit should be communicated to CPCB and SPCB.

Meghalaya State Pollution Control Board shall send the action taken report to the CPCB within 30 days from the date of receipt of this direction.



(BHARAT KUMAR SHARMA)
MEMBER SECRETARY

Copy to:

1. **The Chairman** : For information and necessary action, please.
Meghalaya State Pollution Control Board,
"ARDEN", Lumpynggad,
Shillong - 793 014,
Meghalaya
2. **The Director, (CP Division),** : For information please.
Ministry of Environment, Forests & CC
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003
3. **The Regional Director,** : For information and compliance of the said directions please.
CPCB Regional Directorate, Shillong
Opp. Government Press, Ground Floor,
CTO Building, BSNL Shillong- 793001
4. **The Div. Head, IT Division, CPCB Delhi** : To upload the direction at CPCB website



(BHARAT KUMAR SHARMA)
MEMBER SECRETARY

