



SPEED POST

CP-14/20/2024-IPC-III-HO-CPCB-HO

June.21..., 2024

To,

The Member Secretary,
Karnataka State Pollution Control Board,
"Parisara Bhavan" 4th; 5th Floors,
49, Church Street, Bengaluru-
560001, Karnataka

Directions under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 in the matter of M/s. J P Distilleries Pvt. Ltd., Heggadathihalli village Modur Post, Kunigal, Tumkur, Karnataka -reg.

WHEREAS, under section 16 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 16 of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the Central Pollution Control Board (CPCB), constituted under Water (Prevention & Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards and Pollution Control Committees and to provide technical assistance and guidance to SPCBs/PCCs; and

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

WHEREAS, the CPCB and SPCBs have been pursuing the polluting 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

WHEREAS, the SPCBs/PCCs can stipulate stringent standards for discharge of environmental pollution from various categories of industries than those notified by the Central Government, under the Environment (Protection) Act, 1986 and Rules framed there under; and

WHEREAS, a team of officials from CPCB inspected **M/s J.P. Distilleries Pvt. Ltd** (*hereafter referred to as 'the Unit'*) Heggadathihalli village Modur Post, Kunigal-572130, Tumkur, Karnataka on 22/11/2023 to verify the compliance status under "Environmental Surveillance of 17 category of high pollution potential industries and common facilities, based on OCEMS alert programme". The major observations made by the inspecting team during the visit are as follows:

1. The Unit is a molasses based distillery with installed capacity of 40 KLD and has obtained integrated CFO including Authorization with validity till June 30th, 2026. The integrated CFO is issued for the production of RS (rectified spirit) with monthly production capacity of 1200 KL/Month.

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2. The distillery is following the ZLD route for effluent management and the major treatment Units available for effluent management are Bio-methanation, Multiple Effect Evaporator and Bio-composting and the ETP units were found operational. The MEE concentrate is used in bio-composting while condensate is reused in cooling towers.
3. The Unit has not yet provided CPU, as specified in the CFO issued by KSPCB, for treating MEE condensate and other effluent. It was observed that the Unit is utilizing the MEE condensate directly for cooling towers and informed that enzymatic treatment is given in circulation. The analysis results of the MEE condensate (i.e. BOD= 1034 mg/l, COD= 1125 mg/l) indicates requirement of dedicated CPU, before taking the same to the cooling towers.
4. The active compost yard area provided by the Unit appears to be adequate as per CPCB guidelines. However, the connection drain between the garland canals provided for leachate/rain water runoff collection and the leachate collection pond is damaged resulting in some quantity of runoff/leachate being spread to the nearby vacant area.
5. Piezo-metric wells have not been provided in the vicinity of compost yard and storage lagoons, even though the same has been specified in the CFO. Analysis results of the groundwater sample collected from approx. 300 m from compost yard on the other side of the road, indicates the few parameters are exceeding the Drinking Water acceptable limits, however within the permissible limits.
6. The Unit is having 04 storage lagoons for storing SW after different treatment streams. The CFO issued by KSPCB permits storage lagoons with 04 days' min capacity for raw/conc. SW for emergency.
7. The distillery has provided flow-meters in Spent Wash Generation, MEE concentrate and effluent used in Bio-composting. Unit has also provided PTZ cameras at final effluent storage tank and at the compost yard premises.
8. The flow-meter provided for final effluent used in composting was not operational and showing Zero value only and other 02 flow meters were operational. The PTZ camera feed is not integrated in the RTDMS portal and the live feed could not be verified from the given IP address.
9. The connection drain between the garland canals (provided for leachate /rain water runoff collection) and leachate collection tank is damaged resulting in some quantity of leachate /runoff being spread to nearby vacant area.
10. The emission monitoring at the stack shows PM=234.3 mg/Nm³ against 150mg/Nm³. It indicates that emission from the boiler stack is not meeting the standards and the Air Pollution Control Devices requires augmentation.
11. The Unit has also provided OCEMS at the boiler stack for the measurement of PM emissions. However, the instantaneous value being displayed in the monitor was very high (1983 mg/Nm³) and the data being communicated and displayed in the CPCB portal was entirely different. It was also observed from the historical data that the PM values never crossed the prescribed values and is showing straight line values for most of the period, indicating that erroneous values were being transmitted to RTDMS portal.

WHEREAS, it is evident from the above observations made by the inspection team that the Unit is non-complying with the consent condition of installation of CPU & treatment of condensate in CPU. The Unit also was found non-complying w.r.t adherence to PM emission standard (PM-234 against 150), non-installation of Piezometric wells in the compost yard (one of the consent condition), PTZ camera is not integrated in the RTDMS portal, damaged leachate collection canal etc.; and

NOW, therefore, in exercise of the powers conferred under Section 18(1) (b) of the Water (Prevention and Control of Pollution) Act, 1974; Karnataka State Pollution Control Board (KSPCB) is **hereby directed**:

(1) To take appropriate action against the Unit [M/s. J.P. Distilleries Pvt. Ltd., Heggadathihalli, Vill: Modur Post, Kunigal, Tumkur, Karnataka] for violation of consent condition and shall ensure compliance of the following:

- i. The Unit shall install Condensate Polishing Unit (CPU) in a time bound manner for the treatment of MEE condensate and other effluent.
- ii. The Unit shall install piezometers in the vicinity of compost yard as per Consent order.
- iii. The Unit shall rectify the damages observed in the garland canal around the bio-compost yard and ensure that leachate/runoff is not reaching to nearby vacant area.
- iv. The Unit shall properly upgrade/augment the Air Pollution Control System, so as to achieve the prescribed emission standards and shall submit the stack emission monitoring result from EPA recognized lab to SPCB and CPCB.
- v. The Unit shall ensure that all the installed flow-meters in the premises are operational and should maintain proper logbook for the same.
- vi. The Unit shall periodically calibrate the OCEMS devices as per service provider's requirements and submit the calibration result.

(2) To ensure that Distilleries in Karnataka State should not operate without installation of required treatment system as mentioned in their consent order.

The action taken report shall be sent by KSPCB to the CPCB within 30 days from the date of receipt of these directions. KSPCB shall also acknowledge the receipt of these directions to CPCB within 15 days from the date of the receipt.



(BHARAT KUMAR SHARMA)
MEMBER SECRETARY

Copy to:

1. **The Chairman,** : For information please.
Karnataka State Pollution Control Board,
"Parisara Bhavan" 4th & 5th Floors,
49, Church Street, Bengaluru,
Karnataka-560001
2. **The Director, (CP Division),** : For information please
Ministry of Environment, Forests & CC
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi-110003
3. **The Regional Director,** : For follow-up and ensuring
Regional Directorate- Bengaluru compliance please
A-Block, Nisarga Bhavan, 1st and 2nd
Floors, 7th D Cross, Thimmaiah Road,
Shivanagar, Bengaluru-560079

4. The Div. Head, IT Division, CPCB Delhi

:For uploading in the website
please

5. The Div., IPC-VI Division, CPCB Delhi

:For record and necessary action
please.



(BHARAT KUMAR SHARMA)
MEMBER SECRETARY