

Speed Post

F. No. B-172/PCI-III/2K04-2K05/ 566

July 05, 2018

To,

M/s. Saraya Distillery,
Sardar nagar,
Gorakhpur,
Uttar Pradesh – 273 202

DIRECION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986

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 Saraya Distillery, Sardar Nagar, Gorakhpur, Uttar Pradesh (hereinafter referred as 'the Unit') was inspected by the officials of Central Pollution Control Board (CPCB) earlier on 14.07.2014 and based on the observations, CPCB had issued a notice u/s 5 of the E(P)A, 1986 for the non compliances noticed during the inspection.

WHEREAS, the Unit's reply to the S/c notice was examined and subsequently, the unit was jointly inspected under the directives of the Hon'ble National Green Tribunal in O.A No. 208/2014 and 133 of 2016 and the Hon'ble Tribunal had disposed off the matter on 07.04.2016; and

WHEREAS, CPCB received public complaint against the operation of the unit and the Unit was inspected by the officials of CPCB, RD, Lucknow on 16.09.2017 and based on the observations made during the visit, CPCB had issued direction u/s 5 of the Environment (Protection) Act, 1986 to the unit on 05.10.2017 for closing down the manufacturing operations and not to restart operation until complying with the directions; and

WHEREAS, the unit has provided reply to the direction issued by CPCB vide letters dated 25.10.2017 and 23.11.2017 along with supporting documents and the Three Member Committee constituted for examination and recommendation of the revocation of closure directions issued by CPCB, had recommended revocation of closure subject to certain conditions; and

WHEREAS, based on the recommendation of the Three Member Committee, CPCB had revoked the closure direction issued to the unit on 07.12.2018 and allowed resumption of manufacturing operations at restricted **capacity of 55 KLD**, subject to the following conditions;

1. The unit shall install and commission a full-fledged Condensate Polishing Unit (CPU) of 750 KLD capacity, as recommended by VSI for effluent management of installed capacity of 110 KLD. Till CPU is commissioned, the production capacity is restricted to 55 KLD only. The CPU shall be adequate enough to treat the entire effluents generated other than spent wash, including floor washing, cooling tower overflow, Spent lees, Softener plant backwash, MEE condensate, R.O Permeate etc. to the required quality for reuse and treated effluent from CPU shall not be discharged outside the premises.
2. The unit shall ensure continuous operation of the MEE, as per the consent condition and shall provide requisite provisions for the reuse of the condensate generated from MEE, till the installation of CPU, ensuring that the condensate is not discharged outside.
3. The unit shall carry out the recommended augmentation works of the WTP including development of desired MLSS in the aeration tanks, as mentioned in the adequacy assessment report, before commencement of operations to ensure that the WTP is adequate for taking the effluent load.
4. The unit shall submit the implementation status report of action taken against the recommendations of the adequacy report and shall submit the revalidated adequacy assessment report carried out by institute which has carried out the adequacy assessment within 45 days of commencement of operations.
5. The unit shall provide leak proof concrete/closed pipe system for transportation of MEE concentrate to the storage lagoon within 03 months of commencement of operations.
6. The available storage capacity of the lagoon shall be restricted to 30 days equivalent of concentrated spent wash generation and provisions for verification of the same with suitable level marking shall be provided.
7. The unit shall strictly ensure Zero Liquid Discharge from the premises, as per the 'Consent to Operate' condition of UPPCB and shall provide requisite provisions for reuse of treated effluent from the existing WTP and from the CPU.
8. It shall be ensured that the installed OCEMS devices, cameras and flow meters are functioning properly & continuously and that data from that device are uninterruptedly transferred to CPCB. Any failure in his regard shall be rectified at the earliest.
9. The unit shall ensure periodic calibration of the analyzers as per Standard Operating Procedure/recommendations of the supplier and submit the calibration results.
10. The unit shall install mass flow meters and provide its connectivity to CPCB within 03 months.
11. The unit shall practice the ratio of 1:1.6 for the application of concentrated spent wash to press mud in bio composting and shall provide documentary support for the

procurement/availability of press mud, sale of finished compost and finished compost quality on monthly basis (by 10th of every month) to CPCB/UPPCB.

12. The unit shall comply with the above directions and shall take permission of CPCB after completion of the works identified for considering any changes in production capacity.

WHEREAS, the Unit was again inspected by the officials of CPCB, RD, Lucknow on 07.06.2018 to verify the compliance to direction issued by CPCB and part of the verification of SMS alerts generated from OCEMS and the following major observations are made;

1. The unit is engaged in manufacturing of Rectified Spirit (RS) & Extra Neutral Alcohol (ENA) with the present installed capacity of 110 KLPD. UPPCB has issued Consents under Water & Air Acts on 27.12.2017, based on directions by CPCB for production capacity of 55 KLD having validity up to 31.12.2019.
2. As per the certificate provided by Excise Office, the unit has restarted its manufacturing operations on 14.01.2018. As per the excise officer certificate, production reported during February 2018 is 12, 35,729.2 BL during 20.03 working days. The average production reported during the month February 2018 is **61.69 KLD** against the permitted and consented production capacity of **55 KLD**, violating the direction issued by on 06.12.2017.
3. The unit has installed bio-digesters, RO & MEE for treatment spent wash generated in the process. Whereas the ETP comprising of aeration tank followed by settling and filtration units is provided for treatment of other process effluent. Treated effluent from ETP is used for in house irrigation, which is against the ZLD condition of consent to operate and directions of CPCB.
4. The analysis results of sample collected from ETP outlet shows BOD value of **153 mg/l**, indicating that ETP plant installed by the unit is not adequate to achieving the desired quality for reuse of treated effluent or irrigation standards and the unit is discharging ~~severely polluted~~ effluent in the environment. The **MLSS & MLVSS** concentrations are found as **583mg/l & 466mg/l** respectively, indicating about the lower biological activity in the treatment system.
5. The samples are also collected from bio-digesters and MEE. The analysis results indicate that MEE condensate is contaminated and having 1,123 mg/L BOD & 1,529 mg/L COD. It indicates that the installed system is not properly working and requires full-fledged CPU to handle the highly contaminated condensate.
6. A condensate polishing unit comprising of diffused aeration system was installed and requires adding post clarification system before commencement of 110 KLD production, as per the performance evaluation report of VSI. During the visit, said diffused aeration system was not in operation and MEE concentrate & condensate both are taken to Bio-compost lagoon. It was informed that the diffused aeration tank was under maintenance.
7. The VSI report was to be submitted within 45 days of commencement of operations, however till the date of visit the said report was not submitted to CPCB and later on it was informed that the VSI report was submitted to CPCB on 08.06.2018.
8. As per VSI report around 184 m³/day concentrated spent wash generated through RO & MEE, if the plant operates at 110 KLD capacity. And hence, the unit can be permitted to provide storage capacity of 5,520 m³, considering generation of concentrated

effluent utilised in bio composting. However the provided storage capacity (78,000 m³) is in multiples of the permitted capacity and unit has not complied with the CPCB directions in this regard.

9. The mass flow meters installed at MEE are connected with server; the data is not transmitted on the server.
10. The unit has one boiler with capacity 22 TPH using bio-gas and rice husk as fuel and with cyclone separator as APCD. The emission monitoring results shows **P.M (Particulate Matter) concentration as 437 mg/Nm³ against consented limits of 150 mg/Nm³, indicating non compliance to prescribed Norms.** The OCEMS is installed on the stack to measure the P.M was showing much lower reading (**113 mg/Nm³**), indicating improper calibration and maintenance. The stack provided was rusted at several points/joints and requires immediate replacement in order to avoid any accident.

WHEREAS, it is evident that the unit has not complied with the directions issued by CPCB dated 06.12.2017 w.r.t achieving zero liquid discharge, discharge of effluent not conforming to standards for irrigation/on land, restriction of production capacity at 55 KLD, submission of performance evaluation report within 45 days of commencement of operations, restriction of spent wash storage lagoon capacity etc. The unit has also violated the P.M emission standard in the boiler emissions; and

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 is hereby directed to **"close down all its manufacturing operations and not to restart manufacturing"** till it complies with the following directions and obtains permission from CPCB;

1. The unit should immediately discontinue discharge of effluent not conforming to the notified standards to the ground/irrigation and shall ~~augment/maintain the ETIP~~ provided for other effluents so as to improve the attain the required MLSS/MLVSS concentrations and to achieve the desired quality and shall make adequate arrangements for reuse of treated waste water for achieving ZLD.
2. The distillery unit should install full-fledged CPU for MEE condensate and shall make adequate arrangements for reuse of treated waste water for achieving ZLD. The practice of taking MEE condensate also for bio composting shall be immediately discontinued.
3. The unit should provide explanation for the reported higher average production at the rate of 61 KLD during February 2018, against the 55 KLD prescribed in CPCB Direction & Consent issued. The unit should also explain the delay in submission of performance evaluation report from VSI.
4. The unit should strictly comply with bio-composting protocol of CPCB and shall restrict the storage capacity of lagoon to 30 days equivalent of concentrated effluent (MEE concentrate). The distillery unit should immediately remove huge quantity of sludge stored in the lagoon.

5. The unit shall fully comply with the direction for OCEMS installation with respect to installation and connectivity of online flow meters, mass flow meters and cameras, as per CPCB guidelines.
6. The unit shall upgrade/augment the APCD provided to the 22 TPH boiler stack so as to achieve the prescribed standards for P.M and take up required maintenance of the stack. The OCEMS installed at boiler stack should be properly calibrated.
7. The unit should provide covered sheds for storage of press mud & finished compost and should repair the shed provided for bio-composting during rainy season, if permitted to operate during rainy season by UPPCB.

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

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(S. P. Singh Parihar)
CHAIRMAN

Copy to:

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| 1) The Chairman,
Uttar Pradesh Pollution Control Board
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow - 226 020 | : For ensuring compliance of the
directions please. |
| 2) The Regional Director,
CPCB Regional Directorate,
PICUP Bhawan, Ground Floor, Vibhuthi Khand,
Gomti Nagar, Lucknow-226010 | : For follow up and ensuring
compliance of the directions, please. |
| 3) The District Magistrate,
Gorakhpur, Uttar Pradesh | : For information and n.a please |
| 4) The Chief Engineer (Gorakhpur Zone),
Purvanchal Vidyut Vitran Nigam limited,
DLW Bhikharipur, Varanasi - 221004, U.P | : With a direction to disconnect the
power supply to the industrial
operations of the unit please. |
| 5) The In-charge, (CP Division),
Ministry of Environment, Forests & CC,
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003 | :For information, pl. |
| ✓ 6) The Div. Head, IT Division, CPCB Delhi | |
| 7) The Div. Head, IPC-III Division, CPCB Delhi | |


(A. Sudhakar)
MEMBER SECRETARY