



Speed Post

CP-14/12/2022-AS-HO-CPCB-HO/3038

29th July, 2022

4/8/2022

To,

M/s Avadh Sugar and Energy Ltd.,
(Sugar and Distillery division)
Hargaon, Sitapur
Uttar Pradesh - 261121

**DIRECTION 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 Avadh Sugar and Energy Ltd., Hargaon, Sitapur U. P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from the crushing of cane; and

WHEREAS, CPCB received complaint under VIP reference and news article published in local newspaper regarding pollution caused by the Unit, which is communicated to CPCB, Regional Directorate (RD), Lucknow on 02.06.2022 to verify the complaint; and

WHEREAS, the Unit was inspected on 06.06.2022 by team of officials from CPCB, Regional Directorate, Lucknow to verify the complaint received on 02.06.2022 under VIP reference and news article published in local newspaper and following observations were made:

Observations w.r.t. Sugar Division:

1. The unit has valid consent for sugarcane crushing (13,000 TCD) and cogeneration power plant (26.50 MW). The consents issued by Uttar Pradesh Pollution Control Board (UPPCB) under the Water Act 1974 and Air Act 1981 are valid up to 31.12.2023. The unit also has Authorisation under Hazardous Wastes (Management and Transboundary) Rules, 2016 valid up to 07.08.2024. The unit has NOC for ground water abstraction which was valid up to 27.05.2027.

2. On the day of visit, the sugar production and power plant operations were found closed. It was informed that the crushing season ended on 27.04.2022. The maintenance work was going on in the unit during the visit.
3. The unit is having ETP of 2600 m³/day capacity for treatment of effluent generated during the production process. The ETP comprises of Oil & Grease removal trap, screening, mixing tank, equalisation tank, primary settling tank, anaerobic tank followed by aeration tanks, secondary clarifier and filtration units.
4. Additionally, one kachcha Lagoon was also seen near the ETP area. It has been informed that this lagoon is used for storage of rainwater.
5. The treated effluent is partially reused/recycled in the process and remaining is discharged into the surface water through the local drain. The unit has also provided storage lagoon of the capacity equivalent to 15 days treated effluent generation, for storing the treated effluent for in-house use.
6. During the visit, no effluent generation was observed from the process area, however only wastewater generated from washing and cleaning of mill machinery was being treated in ETP.
7. The sample of ETP inlet and outlet collected during the visit was analysed at CPCB, Regional Directorate, Lucknow laboratory.
8. The analysis results of sample collected from the ETP outlet shows pH- 7.68 against 5.5-8.5, TDS- 1192 mg/l against 2100 mg/l, Oil and Grease- 8.48 mg/l against 10 mg/l, **Total Suspended Solids (TSS)- 31.6 mg/l** against 30 mg/l, **BOD- 35.7 mg/l** against 30 mg/l, which indicate that the unit is non-complying as per the notified standard mentioned in MoEF&CC Notification G.S.R. (E) dated 14th January, 2016.
9. The unit has installed Online Continuous Emission Monitoring System and Online Continuous Effluent Monitoring System at stack and ETP outlet respectively and same are connected with CPCB and UPPCB servers.
10. The bagasse is being used as a fuel in the cogeneration power plant. The wet scrubbers have been installed as air pollution control device.
11. The fly ash and bottom ash generated from power plant is disposed off in the low-lying area and also providing it to the farmers for use as manure after mixing with the soil.
12. During this crushing season 2021-22, it was reported that around 47,415 quintals of fly ash is generated. Thereafter, 70% water has been added into it due to which total wet ash quantity is figured out as 80,606 quintals. Out of that around 53% ash (42,651 quintals) was given to the farmers and remaining is disposed off into the old lined lagoon, which was earlier used for storage of distillery spent wash.
13. The unit had a milk processing unit (Dairy) located near the temple and water body (wetland). The said dairy is now converted into the sugarcane tissue culture laboratory. The empty land of around 28,480 m² area owned by the factory, which is located in front of the laboratory. It has been informed that approx. 6,600 MT fly ash is disposed off on this land during 2014-17. The wetland was located in south direction at a distance of around 40m from the sugarcane tissue laboratory. It has been informed by the unit representative that the wetland does not belong to the factory, however the unit dispose ash near the wetland area. The fire incident as reported in the news article happened in the said area.
14. The said area is currently used for dumping solid waste by the Hargaoon Urban Local Body (ULB) and also for ash disposal by the unit. A public road also passes through this area for approaching the farming (cultivated/ non-cultivated) land and nearby village.

4. The unit shall ensure proper operation and maintenance of the effluent treatment plant so as to ensure compliance with prescribed norms as per the consent to operate issued under Water Act, 1974 and Air Act, 1981 by UPPCB.
5. The unit shall dismantle kachcha Lagoon which was observed near the ETP area for storage of rainwater.
6. The distillery unit shall obtain requisite Authorisation under Hazardous Waste Rules 2016, as amended.
7. The distillery unit shall provide proper facility for intermediate storage of chemicals used in CPU operations.
8. The unit shall ensure proper operation and maintenance of Condensate Polishing Unit (CPU) installed in distillery unit.
9. The unit shall ensure proper ash handling and management at ash loading and transportation site to control fugitive emission.
10. The unit shall take measures to stop contamination of the ground water and shall take remedial measures.
11. The unit shall submit the action taken report of above directions within 30 days from the date of receipt of this direction.

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


 (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. **Additional Secretary (CP Division)** : For kind information, please.
 Ministry of Environment, Forest & C.C
 Prithvi Block, Indira Paryavaran Bhawan,
 Jorbagh Road, New Delhi - 110 003
4. **The District Magistrate** : For kind information, please.
 Bijnor, U.P.-246701