



B-190198/WQM-II(RG)/CPCB/Sugar/46/2016-17 9340

22.11.2019  
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To,

**M/S L.H. SUGAR FACTORIES LTD.,  
CIVIL LINES, PILIBHIT,  
U.P.-262001**

**DIRECTION UNDER SECTION 5 OF 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 L.H. Sugar Factories Ltd., Civil Lines, Pilibhit, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

**WHEREAS**, the unit was inspected on 30.01.2018 by officials from CPCB wherein the Unit was found non-complying with respect to discharge standards for **BOD- 66.5 mg/l** against notified standards of 30 mg/l and **TSS – 218 mg/l** against notified standards of 30 mg/l; and

**WHEREAS**, CPCB issued a show cause notice dated 19.03.2018 under Section 5 of the Environment (Protection) Act, 1986; and

**WHEREAS**, the unit reply dated 05.04.2018 was examined; and

**WHEREAS**, the unit submitted the revalidated adequacy assessment reports and irrigation management plan validated by NSI, Kanpur vide letter dated 26.03.2018; and

**WHEREAS**, CPCB through an Expert Committee comprising of experts from National Sugar Institute (NSI), Kanpur, Vasantdada Sugar Institute (VSI), IITs and representatives from sugar mills prepared a Charter for Water Recycling and Pollution Prevention (thereafter referred to as the Charter); and

**WHEREAS**, a meeting of sugar mills operating in Uttar Pradesh, representatives of UPPCB and CPCB was held on 06.07.2018 under Chairmanship of Principal Secretary, Sugar Industries and Sugarcane Development, Government of Uttar Pradesh and the following decisions are made:

1. Sugar Mills shall submit an action plan to CPCB by 20.07.2018 regarding the steps taken by them pertaining to the notices issued to them. Also they shall submit action plan to implement recommendations of their adequacy assessment report.
2. All sugar mills shall ensure implementation of Charter and shall submit action plan to CPCB by 20.08.2018.

3. All sugar mills shall ensure the upgradation of their ETP within August, 2018 so as to ensure no interruption in functioning of the ETP in the following seasons.
4. All sugar mills shall maintain a logbook on ETP operations on a daily basis.
5. ETP shall be operational at all times and all bypass arrangements should be dismantled with immediate effect.
6. MLSS in aeration tanks should be maintained at 2000-2500 mg/l.
7. All sugar units shall set up environmental laboratories for regular analysis of raw and treated effluent thereby ensuring proper functioning of the ETP.
8. All sugar mills shall employ dedicated technicians for operating and regular maintenance of ETP and shall also ensure that the technicians are given proper training on ETP maintenance and lab analysis on regular basis.
9. To ensure proper training of the environmental technicians all sugar mills shall facilitate training of 5 employees.
10. All sugar mills may establish an Environment Management Cell at their level consisting of concerned officials in order to ensure compliance with environmental standards at industry level itself.

**AND WHEREAS**, the unit vide letter dated 18.07.2018 submitted their compliance status of the Charter; and

**WHEREAS**, CPCB issued direction dated 06.11.2018 under section 5 of the Environment (Protection) Act, 1986 to the unit to comply with the following directions;

1. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP including installation of CPU for having boiler of capacity  $>45 \text{ kg/cm}^2$
2. The unit shall install sealed flow meter along with running hours meter on bore wells so as to ascertain usage of fresh water for various uses.
3. The unit shall install flow meters at major areas of cold and hot water consumption.
4. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
5. The unit shall maintain logbook for individual process unit for recording daily water consumption and effluent generation also.
6. The unit shall carry out analysis of effluent discharge parameters notified under Environment Protection Rules, 1986 and log book shall be maintained on daily basis.
7. The unit shall maintain logbook for individual process unit for recording daily water consumption and effluent generation also.
8. The unit shall submit the implementation status of the Charter in the form of Affidavit and the documentary proof of the completion of the work as committed in the action plan.
9. The unit shall commission mechanical sludge handling system of adequate capacity.
10. The unit shall submit implementation status of the Charter and performance audit of ETP duly validated by reputed expert institute namely NSI Kanpur, VSI Pune, IITs during crushing season & submit the report to CPCB within 60 days of resumption period.

**AND WHEREAS**, the unit replied vide letter dated 16.11.2018 along with implementation status of charter in the form of affidavit; and

**WHEREAS**, the Unit was inspected by officials from CPCB on 25.03.2019 and following observations were made:

1. Wastewater generation is 159 litre/ton of cane crushing as against norms of 200 litres/ton of cane crushing.

2. Analysis of treated effluent sample from ETP outlet showed pH-8.04 as against norms of 5.5-8.5, BOD-5.40mg/l against norms of 30 mg/l, COD- 23.1 mg/l against norms of 250 mg/l, TSS- 7.36 mg/l against norms of 30 mg/l and TDS- 1714 mg/l against norms of 2100 mg/l.
3. Low MLSS (813 mg/l) in aeration tank and drastic reduction in TDS -8700mg/l at inlet to 1714 mg/l at outlet indicate dilution of ETP system.
4. The unit is discharging treated effluent into local drain behind the unit.
5. Log book for disposal of ETP sludge, press mud, boiler ash, used oil, etc. are not maintained properly.
6. The unit has not installed mechanical sludge handling system.
7. The unit has not installed flow meter at final molasses cooling process.
8. The unit has not made separate provision of treatment of spray pond overflow.
9. Aeration tank of ETP system is not properly stabilized and there is dilution of ETP system.

**AND WHEREAS**, CPCB issued show cause notice dt. 01.07.2019 under Section 5 of the Environment (Protection) Act, 1986 to the unit; and

**WHEREAS**, the unit reply vide letter dated 10.07.2019 was examined and following observations are made:

1. The unit has upgraded and augmented the ETP system with new equalization tank, provision of aeration in equalization tank, media provided in the aeration tank to support the biomass culture, tube deck media in both clarifier, new sand filter and two nos of filter press.
2. The unit has maintained logbooks for disposal of ETP sludge, pressmud, boiler ash, and used oil.
3. The unit has installed two nos. filter press for sludge handling
4. The unit has installed flow meter at final molasses water line.
5. The unit has planned to install the sulphate removal system for cooling tower overflow.

**It is evident that the unit has taken measures to upgrade and augment the ETP system.**

**NOW, THEREFORE**, in view of above observations and in exercise of powers delegated to Chairman CPCB under Section 5 of the Environment (Protection) Act, 1986, the unit (M/s L.H. Sugar Factories Ltd., Pilibhit, U.P.) is directed to comply with the following directions:

1. The unit shall provide performance assessment of effluent treatment system and analysis of treated effluent by the reputed government institute within 60 days from resumption of operation in next crushing season 2019-20.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s L.H. Sugar Factories Ltd., Pilibhit, U.P) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

  
(S. P. SINGH PARIHAR)  
CHAIRMAN

**Copy to:**

- 1) **Joint Secretary (CP Division)**  
Ministry of Environment, Forest & C.C  
Prithvi Block, Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi – 110 003
- 2) **Principal Secretary**  
Sugar Industry and Cane Development  
Department, "G" Block, 2/3, Mantri Wing, 4th  
Floor, Babu Bhawan, Vidhan Sabha Marg  
Lucknow - 226 001
- 3) **Member Secretary**  
Uttar Pradesh Pollution Control Board,  
Building No. TC-12V, Vibhuthi Khand,  
Gomti Nagar, Lucknow – 226 010
- 4) **District Magistrate**  
Pilibhit, U.P.
- 5) **Regional Director**  
Regional Directorate  
Central Pollution Control Board, PICUP  
Bhawan, Ground Floor, Vibhuthi Khand, Gomti  
Nagar, Lucknow – 226 010
- 6) In-charge, IT Division, CPCB
- 7) Master file/Guard file, WQM II, CPCB Delhi
- 8) In-charge, F&A, CPCB

: For kind information, please.

: With directions to ensure following actions:

- a) To ensure compliance of directions.
- b) To constitute surveillance team for monitoring of sugar mills to stop any bypass/ discharge of untreated effluent.
- c) To organize surprise inspection of the unit on monthly basis to ensure that ETP is properly operated and treated effluent is complied with the norms.
- d) To obtain undertaking from sugar mills that they will not indulge in bypass of effluent and will maintain functional ETP.

:For follow up and ensuring compliance.

:with request to upload on CPCB server.

  
(PRASHANT GARGAVA)  
MEMBER SECRETARY