



Speed Post

B-190198/WQM-II(RG)/CPCB/Sugar/45/2016-17

13.11.2019

To,

**M/s The Kisan Sahkari Chini Mills Ltd.,
Kaimganj, Farrukhabad,
Uttar Pradesh-209502**

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 The Kisan Sahkari Chini Mills Ltd., Kaimganj, Farrukhabad, 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; and

WHEREAS, CPCB has issued show cause notice dt.13.04.2018 under Section 5 of the Environment (Protection) Act, 1986 to the Unit; and

WHEREAS, the Unit submitted the replies of the show cause notice dt. 13.04.2018 along with revalidated adequacy assessment reports validated by VSI, Pune vide letter dt. 02.05.2018; 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 were 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 24.07.2018 and 03.08.2018 submitted their compliance status of the Charter; and

WHEREAS, the unit vide letter dated 04.10.2018 submitted irrigation management plan validated by NSI, Kanpur; and

WHEREAS, CPCB issued direction dated 06.11.2018 to the unit to comply with the following directions before commencement of crushing season 2018-2019;

1. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
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 install flow meters for measuring generation of effluent from various prominent areas.
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 colour coding of pipelines carrying recycled process water and fresh process.
7. The Unit shall commission mechanical sludge handling system of adequate capacity.
8. The unit shall carry out analysis of effluent discharge parameters notified under Environment (Protection) Rules, 1986 and logbook shall be maintained on daily basis.
9. The unit shall submit the implementation status of the Charter in form of Affidavit and the documentary proof of the completion of the work as committed in the action plan.
10. The unit shall submit implementation status of the Charter and performance adequacy audit of ETP including actual assessment of water consumption and effluent generation

duly validated by reputed government expert institute namely NSI Kanpur, VSI Pune, IITs during crushing season & submit the report to CPCB within 60 days of resumption of operation.

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

1. The unit has installed separate flowmeters at various location; however, flowmeters at some places were not properly functional/installed.
2. Recirculation of treated effluent is not being used at consumption point such as filter cake washing, centrifugal machine, Pan boiling etc.
3. Analysis of treated effluent sample from ETP outlet showed pH-7.98 as against norms of 5.5-8.5, BOD-6.6mg/l against norms of 100 mg/l, COD- 48 mg/l against norms of 250 mg/l, **TSS- 116** against norms of 100 mg/l and TDS- 595 mg/l against norms of 2100 mg/l which indicates non-compliance with effluent discharge norms on land prescribed under Environment (Protection) Rules,1986.
4. Analysis of treated effluent sample from lagoon showed pH-7.79 as against norms of 5.5-8.5, BOD-13.3mg/l against norms of 100 mg/l, COD- 67.5 mg/l against norms of 250 mg/l, TSS- 33.1 against norms of 100 mg/l and TDS- 544 mg/l against norms of 2100 mg/l which indicates compliance with effluent discharge norms on land prescribed under Environment (Protection) Rules,1986.
5. Sludge Drying Beds capacity is less than 0.03 m³/ton of cane crushed.
6. The dry-cleaning method of floors is not being carried out by the unit.
7. Separate treatment plant for spray pond overflow was found under erection.

AND WHEREAS, the unit vide letter dated 01.04.2019 submitted their compliance report including actual assessment of water consumption and effluent generation of season 2018-19 validated by VSI, Pune; and

WHEREAS, CPCB has issued show cause notice dt. 01.07.2019 under Section 5 of the Environment (Protection) Act, 1986 to the unit as the unit failed to meet the effluent discharge norms; and

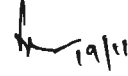
WHEREAS, the unit reply vide letter dated 22.07.2019 was examined and following observations are made:

1. The unit has installed flow meters at required places and non-functional flow meters have been repaired.
2. All the treated effluent was used for irrigation purpose during crushing season 2018-19 due to high demands from farmers and no effluent was left for recirculation purpose.
3. The unit has submitted the analysis report from EPA recognized laboratory.
4. The unit has adequate sludge drying bed as per VSI, Pune.
5. The unit will adopt dry cleaning method from the next crushing season.
6. The unit has installed spray pond overflow treatment plant.

AND 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 (M/s The Kisan Sahkari Chini Mills Ltd., Kaimganj, Farrukhabad, 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 The Kisan Sahkari Chini Mills Ltd., Kaimganj, Farrukhabad, 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**
Farrukhabad, U.P.
- 5) **Regional Director**
Regional Directorate
Central Pollution Control Board, PICUP
Bhawan, Ground Floor, Vibhuti 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