



**Speed Post**

B-190197/WQM-II(RG)/CPCB/Sugar/38/2016-17  
To,

November 5<sup>th</sup>, 2018

**M/s Kisan Sahkari Chini Mill Ltd.  
Sneh Road, Najibabad, Bijnor,  
U.P.-246763**

**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 Kisan Sahkari Chini Mill Ltd., Sneh Road, Najibabad, Bijnor, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

**WHEREAS**, CPCB issued direction under section 5 of Environment (Protection) Act, 1986 to the unit for carrying adequacy assessment of ETP; and

**WHEREAS**, CPCB received adequacy assessment report vide letter dated 20.09.2017 from the unit prepared by VSI, Pune; and

**WHEREAS**, CPCB issued direction dated 10.11.2017 under section 5 of Environment Protection Act, 1986 to the Unit; and

**AND WHEREAS**, the Unit has not submitted implementation status of recommendations of the adequacy report; and

(Contd..2/-)

**WHEREAS**, the Unit was inspected on 08.03.2018 by officials from CPCB, Delhi and following observations were made;

1. The Unit and ETP were operational.
2. Effluent Treatment Plant comprised of Oil Grease removal chamber, Equalisation Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier & Tertiary treatment (Filtration units). However, Oil & Grease was non-operational.
3. Analysis of treated effluent sample shows pH-7.05 as against norms of 5.5-9.0, **BOD- 56 mg/l** against norms of 30 mg/l, **COD- 157 mg/l** against norms of 250 mg/l, **TSS- 93 mg/l** against norms of 30 mg/l which indicates non-compliance w.r.t. BOD & TSS against surface water discharge norms prescribed under Environment (Protection) Rules, 1986.
4. MLSS in aeration tank was **458 mg/l**. which indicates unstabilised Activated Sludge Process system due to poor operation and maintenance of ETP system.
5. OCEMS was installed however flow meter was not connected with CPCB server/.
6. Sludge drying beds were overflowing in ETP plant.

**AND WHEREAS**, CPCB has issued show cause notice dt.02.05.2018 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 replied vide letter dated 20.07.2018, which was examined and following observations were made:

1. The unit has submitted the valid consent to operate.
2. Oil and Grease was used as fuel in boiler and soon motor of skimmer will be replaced.
3. The discharge parameters of unit satisfy the discharge limits for disposal on land i.e., BOD 100 mg/l and TSS 100mg/l.
4. The required MLSS as recommended by CPCB has been maintained.
5. Sludge drying beds were cleaned properly.
6. The unit has submitted analysis reports by EPA recognised lab.
7. The unit has submitted irrigation management plan and revalidated ETP adequacy assessment report.

**AND WHEREAS**, the Unit submitted the revalidated adequacy assessment reports prepared by VSI, Pune vide letter dt. 20.07.2018; and as per the report following recommendations have been made by VSI, Pune:

1. The unit shall maintain record of spray pond overflow.
2. The unit shall maintain record of excess condensate generation.
3. The unit shall implement dry cleaning by utilising bagasse instead of water.
4. The unit is having adequate treatment system for installed capacity of 3000 TCD and waste water generation is estimated as 24 L/T.

**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

**(Contd..3/-)**

**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 26.07.2018 submitted their compliance status of the Charter, which was examined and following observations were made:

1. The unit has applied closed loop water circulation for cooling of mill bearing and mill drive.
2. The unit has made para pits near tanks and pumps. If juice etc. overflows it is recollected in tanks and floor is dry cleaned with bagasse.
3. Waste water generated from DM plant and boiler blow down is used for wet scrubber.
4. The unit is using ash for filling low lying land of the factory.
5. Spray pond overflow water is treated by ETP.
6. Adequacy assessment report has been made and verified by VSI, Pune.
7. The unit has arranged laboratory, equipment, trained and dedicated staff.
8. Water used for cooling of sulphur furnace is recirculated and sent to cold water reservoir.


**AND WHEREAS**, the Unit vide letter dt. 24.08.2018 has submitted irrigation management plan validated by NSI, Kanpur.

(Contd..4/-)

**AND NOW, THEREFORE**, in view of the above observation, and exercising powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, the unit ((M/s Kisan Sahkari Chini Mill Ltd. Sneh Road, Najibabad, Bijnor, U.P) is directed 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 the 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.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s Kisan Sahkari Chini Mill Ltd. Sneh Road, Najibabad, Bijnor, U.P.) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

  
(S. P. Singh Pafihar)  
CHAIRMAN  
06/11/18

(Contd..5/-)

**Copy to:**

1. **Principal Secretary (Sugar)**  
Sugar Industry and Cane Development  
Department, "G" Block 2/3, Mantri Wing 4th  
Floor Bapu Bhawan Vidhan Sabha Marg  
Lucknow - 226 001

: With request to ensure compliance  
of the directions.

2. **Member Secretary**  
Uttar Pradesh Pollution Control Board,  
Building No. TC-12V, Vibhuthi Khand,  
Gomti Nagar, Lucknow - 226 010

: For kind information, please.

3. **Joint Secretary (CP Division)**  
Ministry of Environment, Forest & C.C  
Prithvi Block, Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi - 110 003

: For kind information, please.

4. **District Magistrate**  
Rampur, U.P.

: For kind information, please.

5. **Regional Directorate**  
Regional Director  
Central Pollution Control Board, PICUP Bhawan,  
Ground Floor, Vibhuthi Khand, Gomti Nagar,  
Lucknow - 226 010

: For follow up and ensuring  
compliance

6. In-charge, IT Division, CPCB

7. Master file/Guard file WQM II, CPCB Delhi

  
(PRASHANT GARGAVA)  
MEMBER SECRETARY