



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

Speed Post

B-190198/WQM-II(RG)/CPCB/Sugar/43/2016-17 12650
To,

12th November, 2018

15th

M/s Kisan Sahkari Chini Mills Ltd.,
Shekhpur, Badaun,
U.P.-243601

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 Mills Ltd., Shekhpur, Badaun, 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 dt. 25.09.2017 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

WHEREAS, the Unit has submitted the implementation status of recommendations of adequacy report vide letter dt. 09.12.2017 to CPCB; and

WHEREAS, the Unit was inspected on 24.01.2018 by officials from CPCB, Delhi and following observations were made;

(Contd..2/-)

1. The Unit was found non-operational due to maintenance at the time of inspection but ETP was found operational.
2. The Unit has not installed the flow meter at the inlet of ETP.
3. The Unit has applied for valid consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 to UPPCB.
4. The analysis of treated effluent sample shows pH-7.28 as against norms of 5.5-9.0, BOD-18.4 mg/l against norms of 30 mg/l, COD-63 mg/l against norms of 250 mg/l. However, MLSS maintained is 918 mg/l.
5. Treated effluent discharged is 374 l/ton which is higher than permissible limit (200 l/ton).
6. The MLSS in aeration tank was 918 mg/l which indicates unstabilised ASP system due to poor operation and maintenance of ETP system.
7. The Unit has not submitted the irrigation management plan.
8. The Unit has not submitted the revalidated ETP adequacy assessment report within 45 days to CPCB.

AND WHEREAS, CPCB has issued show cause notice dt.21.03.2018 to the unit as the unit failed to meet the effluent discharge norms; and

WHEREAS, the Unit submitted the compliance status of the show cause notice vide letter dt. 11.04.2018; and

WHEREAS, the Unit submitted the revalidated adequacy assessment reports and irrigation management plan prepared by VSI, Pune vide letter dt. 31.05.2018; and as per the report following recommendations have been made by VSI, Pune:

1. The unit shall install flow meter for measurement of fresh water addition in spray pond, spray pond overflow and for excess condensate.
2. The unit shall follow dry cleaning and improvement in housekeeping services should be done.
3. The unit shall maintain proper provision of pit with ejector systems to collect the juice from gland leakages and overflow from tanks.
4. The unit shall install additional Oil and Grease trap with oil skimmer at mill side effluent for better separation efficiency.
5. The unit shall use biocides for mill sanitation.
6. The unit shall use spray pond water in place of raw water at the time of ash handling.
7. The unit shall collect boiler blow down water in pit and utilize it for wet scrubber.
8. The unit shall use spray pond water for wetting of ash.
9. The unit shall renovate drains and floor of boiling house to avoid sugar losses and effluent generation.
10. The unit shall minimize effluent generation and systematic way of the cleaning of heating surface make cleaning schedule and fix schedule at working place.
11. The unit shall send hot waste water generated after chemical boiling of evaporator to ETP after cooling.

(Contd..3/-)

12. The unit shall replace raw water by spray pond water at sulphur burner area for cooling purpose to reduce raw water consumption.
13. The unit shall insulate heating equipment, vapour pipeline, evaporator bodies to prevent heat loss.
14. The unit shall cover drain gutter from mill to ETP to prevent bagacillo mixing with effluent at the time of wind blow.
15. The unit shall appoint skilled staff for day to day analysis of ETP.
16. The unit shall install separate treatment system for spray pond overflow to reduce sulphate.
17. The unit shall install anaerobic system followed by aerobic system to reduce sulphate content.
18. The unit shall install standby pumps to all condensate pumps to reduce loss of condensate.
19. The unit is having facility for 1250 TCD and effluent generation is estimated as 398.72 L/t of cane crushed. It can be reduced by reuse of cooling water from sulphur burner, air compressors, vacuum pump and centrifugal oil cooling.

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. **(Contd..4/-)**

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 13.08.2018 submitted their compliance status of the Charter, which was examined and following observations were made:

1. The unit has made para pits near juice tanks/ pumps.
2. Waste water generated from DM reject and boiler blow down is sent to ETP.
3. The unit is using spray pond water overflow at wet scrubber.
4. The unit has made the arrangement of the laboratory, equipment, trained and dedicated staff for routine monitoring, proper maintenance of record.
5. Cooling arrangement for SO₂ gas has been done by fresh water circulation through UGR.
6. The unit will install flowmeter for flow of cake washing water, crystallisation and centrifugation before start of the crushing season 2018-19.

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 Mills Ltd., Shekhpur, Badaun, 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.

(Contd..5/-)

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 Mills Ltd., Shekhpur, Badaun, U.P) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

14/04/18
(S. P. Singh Parihar)
CHAIRMAN

Copy to:

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|---|---|
| <p>1. Principal Secretary (Sugar)
Sugar Industry and Cane Development
Department, "G" Block 2/3, Mantri Wing 4th
Floor BabuBhawanVidhan Sabha Marg
Lucknow - 226 001</p> | <p>: With request to ensure compliance of
the directions.</p> |
| <p>2. Member Secretary
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, VibhuthiKhand,
Gomti Nagar, Lucknow - 226 010</p> | <p>: For kind information, please.</p> |
| <p>3. Joint Secretary (CP Division)
Ministry of Environment, Forest & C.C
Prithvi Block, Indira ParyavaranBhawan,
Jorbagh Road, New Delhi - 110 003</p> | <p>: For kind information, please.</p> |
| <p>4. Regional Directorate
Regional Director
Central Pollution Control Board, PICUP
Bhawan, Ground Floor, VibhutiKhand, Gomti
Nagar, Lucknow - 226 010</p> | <p>: For follow up and ensuring
compliance.</p> |
| <p>✓ 5. In-charge, IT Division, CPCB</p> | |
| <p>6. Master file/Guard file WQM II, CPCB Delhi</p> | |

14/04/18
(PRASHANT GARGAVA)
MEMBER SECRETARY

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