

Speed Post

B-190198/WQM-II(RG)/CPCB/Sugar/40/2016-17

Feb 26, 2018

March 05

To,

M/s Kisan Sahkari Chini Mill Ltd.
Semikhera, Bareilly
U.P.-243203

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986-
CLOSURE NOTICE THEREOF**

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., Semikhera, Bareilly, 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 11.01.2017 by the officials of Central Pollution Control Board; and

AND WHEREAS, CPCB issued show cause notice dated 21.02.2017 to the unit; and

WHEREAS, the Unit's reply dated 22.03.2017 and 06.05.2017 were examined; and

AND WHEREAS, CPCB issued direction dated 02.06.2017 under section 5 of Environment Protection Act, 1986 to the Unit to remain closed till compliance with the following directions:

1. i. The Unit shall submit the following reports to CPCB duly validated by reputed institutions like National Sugar Institute, Kanpur/Vasandada Sugar Institute, Pune /IITs within 60 days;
 - a) ETP adequacy assessment reports;

(Contd..2/-)

- b) time bound action plan for ETP augmentation & upgradation upto tertiary treatment level; to comply with the standards notified G.S.R. 35 (E), MoEF&CC, January 14, 2016 for effluent disposal, & waste water conservation.
 - c) water audit and mass balance report to establish waste water generation rate;
 - d) action Plans to achieve the notified effluent discharge quality and generation standards.
 - e) irrigation management plan as per the new notified standards on January 14, 2016; and
- ii. The Unit shall restrict the storage capacity of lined lagoon upto 15 days of effluent generation.
 - iii. The Unit shall meet the BOD-30mg/l standards for discharging any effluent on land /surface water body whereas effluent stored in lined lagoons/tanks of capacity not more than 15 days shall comply with BOD-100 mg/l standards.
2. The Unit shall stabilize the ETP by September 2017 before commencing of the new crushing season. The unit will not be allowed to resume manufacturing operations till stabilization of ETP system.
 3. The Unit shall upgrade of process technology, ETP system & adapt the best practice in a time bound manner and submit a report to CPCB before starting the next crushing season.
 4. The Unit shall seek permission from CPCB, after compliance with the above mentioned directions before resumption of manufacturing operations.

AND WHEREAS, the CPCB received adequacy assessment report vide letter dt. 30.08.2017 on 01.09.2017 from the unit prepared by VSI, Pune.

WHEREAS, CPCB issued direction dated 02.11.2017 under section 5 of Environment Protection Act, 1986 to the Unit to comply with the following directions;

1. The Unit shall start its operation only after obtaining valid consent from the concerned State Pollution Control Board.
2. The Unit shall submit action plan within 15 days to implement the recommendations (including the general observation) of the adequacy report within 45 days.
3. The Unit shall install & Commission ETP system upto tertiary treatment level including adequate treatment system for spray pond overflow effluent in case of double sulphitation process (Brine recovery system to be installed in case of sugar refinery having Ion Exchange Process for sugar melt de-colorization).
4. The Unit having high pressure boiler (>45 Kg/cm²) shall install & Commission Condensate Polishing Unit (CPU) within 45 days for treatment of condensate water to ensure its reuse & recycle within the process.
5. The Unit shall restrict the effluent storage capacity to 15 days.

(Contd..3/-)

6. The Unit shall utilise treated effluent meeting the prescribed norms for irrigation as per the irrigation management plan validated by expert institutions namely, NSI, Kanpur/ VSI, Pune/ Agricultural Institutions.
7. The Unit shall implement the observation and recommendation of the adequacy report within 45 days.
8. The Unit shall get the verification of implement status of the recommendation of adequacy report including ETP performance assessment & effluent generation assessment done by the same institute which carried out adequacy assessment and submit the report to CPCB within 45 days from date of resumption of manufacturing operations.
9. The analysis result of the treated effluent shall also be submitted within 45 days through EPA recognised laboratories.
10. If the Unit fails to provide the verification report duly validated by the expert institutions, the Unit shall automatically stop all its manufacturing operations after 45 days from date of resumption of manufacturing operations.

AND WHEREAS, the Unit has submitted the action plan vide letter dt. 30.11.2017 for implementation of recommendations of the adequacy report; and

AND WHEREAS, the Unit (M/s Kisan Sahkari Chini Mill Ltd., Semikhara, Bareilly, U.P.) was inspected on 24.01.2018 by officials from CPCB, Delhi and following observations are made;

1. The Unit has applied for consent of Water and Air Act.
2. The Unit does not have valid authorization for handling of hazardous waste.
3. The Unit has two ETP plants with capacity of 700 KLD and 500 KLD.
4. The Unit has installed Oil skimmer at one ETP and Oil & grease removal done manually at another ETP.
5. The flow meter was not installed at the inlet of ETP but it was installed at the outlet of ETP.
6. The unit has **bypass arrangement** for untreated effluent through drainage to local drain. Analysis of effluent sample collected from bypass drain shows **BOD-656 mg/l, TSS-438 mg/l & COD-1130 mg/l** which indicates bypassing of untreated effluent.
7. The Unit has common outlet of both the ETPs and its analysis of treated effluent sample shows pH-6.3, against 5.5-9.0, **TSS- 274** against 30 mg/l, **BOD-572 mg/l** against 30 mg/l, **COD- 1027 mg/l** against 250 mg/l at the common outlet of both the ETPs which indicates non-compliance with the effluent discharge norms prescribed under Environment (Protection) Rules, 1986.
8. The Unit has not complied the recommendation of VSI regarding the reuse of treated waste water.
9. The Unit has a permission from CGWA for extraction of ground water from one bore well but the Unit extracts the ground water from two bore well.
10. The final wastewater discharge is **235 l/ton** which is higher than the permissible limit.

(Contd..4/-)

It is evident that untreated/ partially treated effluent is being discharged on land by the Unit, posing potential threat to surface water/ground water quality.

AND NOW, THEREFORE, in view of above observations and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, the unit (M/s Kisan Sahkari Chini Mill Ltd., Semikhera, Bareilly, U.P.) is directed to **close down its manufacturing operations immediately** till compliance of the following directions;

1. The Unit is directed to close down its Sugar manufacturing operations with immediate effect and shall not resume its operations.
2. The Unit shall dismantle the bypass arrangement and stop untreated effluent discharge immediately.
3. The Unit shall also comply with new standards notified G.S.R. 35 (E), MoEF&CC, January 12, 2016 for effluent disposal, waste water conservation and pollution control management.
4. The Unit shall install & Commission ETP system upto tertiary treatment level including adequate treatment system for spray pond overflow effluent in case of double sulphitation process (Brine recovery system to be installed in case of sugar refinery having Ion Exchange Process for sugar melt de-colorization).
5. The Unit having high-pressure boiler (>45 Kg/cm²) shall install & Commission Condensate Polishing Unit (CPU) within 45 days for treatment of condensate water to ensure its reuse & recycle within the process.
6. The Unit shall restrict the effluent storage capacity to 15 days.
7. The Unit shall submit irrigation management plan and utilise treated effluent meeting the prescribed norms for irrigation as per the irrigation management plan validated by expert institutions namely, NSI, Kanpur/ VSI, Pune/ Agricultural Institutions.
8. The Unit shall get the verification of implement status of the recommendation of adequacy report including ETP performance assessment & effluent generation assessment done by the same institute which carried out adequacy assessment and submit the report to CPCB.
9. The Unit shall inform to CPCB about the Closure of operation immediately.
10. The Unit shall seek permission from CPCB before resumption of manufacturing operations.

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., Semikhera, Bareilly, U.P.)** without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

/
(S. P. SINGH PARIHAR)
CHAIRMAN

(Contd..5/-)

Copy to:

1. The Chairman

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

: With request to ensure compliance of the directions.

2. The Incharge (CP Division)

Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003

: For kind information, please.

3. The District Magistrate

Bareilly-243203, U.P.

: with request to ensure closure of the unit in compliance of the directions

4. The Superintending Engineer

Paschimanchal Vidyut Vitran Nigam Limited
Bareilly-243203, U.P.

: With a direction to disconnect power supply

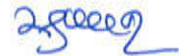
5. The Regional Director

Regional Directorate
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010

: For follow up and ensuring compliance

6. The In-charge, IT Division, CPCB

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



(A SUDHAKAR)
MEMBER SECRETARY