



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

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Oct 22nd, 2018
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To,

Kisan Sahkari Chini Mill
Gajraula, Hasanpur, Amroha,
J.P. Nagar-244241, U.P.

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, Kisan Sahkari Chini Mill, Gajraula, Hasanpur, Amroha, J.P. Nagar, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, CPCB issued direction dated 23.06.2017 under section 5 of Environment (Protection) Act, 1986 to the Unit for carrying out ETP adequacy assessment by reputed institutions; and

WHEREAS, CPCB received adequacy assessment report vide letter dt. 24.09.2017 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 of action plan vide letter dt. 24.11.2017 to CPCB; and

(Contd..2/-)

Kisan Sahkari Chini Mill, Gajraula, Hasanpur, Amroha, J.P. Nagar, U.P.

AND WHEREAS, the Unit was inspected on 17.01.2018 by officials from CPCB, Delhi and following observations were made;

1. The Unit was found operational at the time of inspection and ETP was functional.
2. The average cane crush capacity is 2527 TCD which is marginally higher than the licences capacity 2500 TCD.
3. The Unit has installed the two bore well as the fresh water consumption is 2064 KLD in which maximum water consumption i.e. is 1857.6 KLD in the residential colony.
4. The Unit has installed the flow meter at the inlet as well as at outlet of ETP.
5. The analysis report showed pH-4.56, against 5.5-9.0, **BOD-1184 mg/l** against 30 mg/l, **COD- 1937 mg/l** against 250 mg/l and **TSS-162 mg/l**, against 30 mg/l at the outlet of ETP which indicated non-compliance with the prescribed effluent discharge norms under Environment (Protection) Act,1986.
6. Operation and maintenance of aeration tank of ETP system was poor as the MLSS of the aeration tank was 334 mg/l.
7. The Unit was found to be bypassing the tertiary treatment system and discharging the effluent from secondary clarifier.

AND WHEREAS, CPCB issued direction dated 28.02.2018 under section 5 of the Environment (Protection) Act, 1986, the unit to comply with 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 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.
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.
4. The Unit having high-pressure boiler (>45 Kg/cm²) shall install & Commission Condensate Polishing Unit (CPU) 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.
6. 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.
7. The Unit shall inform to CPCB about the Closure of operation immediately.
8. The Unit shall seek permission from CPCB before resumption of manufacturing operations.

AND WHEREAS, the compliance status of the direction dated 28.2.2018 submitted by the unit vide letter dated 15.3.2018 was examined; and

(Contd..3/-)

WHEREAS, the Unit submitted the revalidated adequacy assessment reports and irrigation management plan prepared by VSI, Pune vide letter dt. 17.03.2018; and as per the report following recommendations have been made by VSI, Pune:

1. Flow meters should be installed at major unit operations to ascertain and control hot and cold-water requirement.
2. Flow meters to be installed at various consumption points.
3. The unit shall adopt dry cleaning with the help of bagasse instead of wet cleaning using water.
4. The Unit should use the spray pond water for pump gland cooling, wet scrubber juice heaters and evaporators brushing.
5. The unit should use spray pond water for juice heaters and evaporators cleaning.
6. To solve shock load problem of ETP, storage tank should be provided for reusing of soda boiling water and to dispose slowly in ETP.
7. The unit should install lime addition tank with stirrer at equalization tank.
8. The unit should appoint Environment Engineer/officer with required trained staff for proper operation and maintenance of ETP.
9. The unit is having adequate facility for 2500 TCD and effluent generation is estimated as 195.84 litre/tonne for cane crushed.

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.

(Contd..4/-)

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.

WHEREAS, the unit vide letter dated 31.07.2018 submitted their compliance status of the Charter, which is examined and following observations are made:

1. The unit is in the process of installing necessary flow meters at requisite points as prescribed under the Charter and has assured completion of the same by 30.08.2018.
2. The unit has submitted action plan/ compliance report on upgradation of ETP.
3. Spray pond overflow water and factory effluent is being treated commonly.
4. The unit has proposed to set up environmental laboratory with dedicated technical staff.
5. The unit has planned to arrange training for its technical staff on ETP Operation and Maintenance.
6. The unit has submitted compliance report on BMT for Water Recycling and Pollution Prevention.

AND WHEREAS, the Three Member Committee in its meeting held on 08.10.2018 examined the revalidated adequacy assessment report, & implementation status of the Charter and recommended that the unit may be allowed to resume operation.

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 (Kisan Sahkari Chini Mill, Gajraula, Hasanpur, Amroha,) is directed to comply with the following directions before commencement of crushing season 2018-2019;

1. The unit shall start its operation only after obtaining the valid consent from the Uttar Pradesh Pollution Control Board.
2. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
3. 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.
4. The unit shall install flow meters at major areas of cold and hot water consumption.
5. The unit shall install flow meters for measuring generation of effluent from various prominent areas.

(Contd..5/-)

6. The unit shall maintain logbook for individual process unit for recording daily water consumption and effluent generation also.
7. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
8. The Unit shall commission mechanical sludge handling system of adequate capacity
9. The unit shall carry out analysis of effluent discharge parameters notified under Environment (Protection) Rules, 1986 and logbook shall be maintained on daily basis.
10. 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.
11. 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 govt. 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 (Kisan Sahkari Chini Mill, Gajraula, Hasanpur, Amroha, J.P. Nagar, U.P.) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

(S. P. SINGH PARIHAR)
CHAIRMAN

25.10.18

(Contd..6-)

Copy to:

1. **Principal Secretary (Sugar)**
Sugar Industry and Cane Development
Department, "G" Block, 2/3, Mantri Wing, 4th
Floor, Babu Bhawan, Vidhan Sabha Marg
Lucknow - 226 001
2. **The Chairperson**
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow – 226 010
3. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & Climate Change
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003
4. **District Magistrate**
J.P. Nagar-244241
Uttar Pradesh
5. **Superintending Engineer**
Paschimanchal Vidyut Vitran Nigam Ltd.
J.P. Nagar-244241, U.P.
6. **Regional Director**
Regional Directorate
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuthi Khand, Gomti Nagar,
Lucknow – 226 010
7. In-charge, IT Division, CPCB
8. Master file/Guard file WQM II, CPCB Delhi

With request to ensure compliance of the directions

:With request to ensure compliance of the directions.

: For kind information, please

With request to ensure compliance of the directions.

To reconnect the power supply of the unit, please

For follow up and ensuring compliance


(Prashant Gargava)
MEMBER SECRETARY