

Speed Post

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12.06.2019
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To,

M/s Dhampur Sugar Mills (DSM) Ltd.,
(Formerly J.K. Sugar Limited),
Sindhauri Road, Meerganj,
Bareilly, U.P.-243504

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986-
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 Dhampur Sugar Mills (DSM) Ltd., (Formerly J.K. Sugar Limited), Sindhauri Road, Meerganj, Bareilly, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, the unit (M/s Dhampur Sugar Mills Ltd., (Formerly J.K. Sugar Limited), Sindhauri Road, Meerganj, Bareilly, U.P.) was inspected on 25.01.2018 by officials from CPCB, Delhi and following observations were made;

1. During the inspection, ETP was operational.
2. The Unit has applied for valid consent of Water Act & Air Act.
3. The analysis of treated effluent sample showed pH-7.06 as against norms of 5.5-9.0, **BOD-31.2 mg/l** against norms of 30 mg/l, COD- 112 mg/l against norms of 250 mg/l and **TSS-111 mg/l**, against norms of 30 mg/l at the outlet of ETP which indicates non-compliance w.r.t. BOD & TSS norms prescribed under Environment (Protection) Rules, 1986.
4. The MLSS concentration in the aeration tank was very low i.e. **684 mg/l**.
5. The Unit has submitted the irrigation management plan.
6. Leakage was observed from syrup pumps, sulphide used pumps, magma pumps, condensate pumps etc.

7. The Unit has not submitted the revalidated ETP adequacy assessment report within 45 days to CPCB.

WHEREAS, CPCB issued Show Cause Notice under Section 5 of the Environment (Protection) Act, 1986 dated 15.03.2018 for non-compliance of stipulated standards; and

WHEREAS, the unit submitted the revalidated adequacy assessment reports and irrigation management plan validated by NSI, Kanpur vide letter dt. 15.06.2018; 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.

WHEREAS, the unit vide letter dated 09.04.2018 submitted their compliance status of the Charter; and

WHEREAS, CPCB issued direction dated 26.10.2018 under section 5 of the Environment (Protection) Act, 1986 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 carry out colour coding of pipelines carrying recycled process water and fresh process water.
5. The unit shall install flow meters for measuring generation of effluent from various prominent areas.
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 analysis of effluent discharge parameters notified under Environment (Protection) Rules, 1986 and log book shall be maintained on daily basis.
8. 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.
9. The unit shall submit implementation status of the Charter and performance audit of ETP including actual assessment of water consumption & effluent generation duly validated by reputed expert institute namely NSI Kanpur, VSI Pune, IITs during crushing season & submit the report to CPCB within 60 days of resumption period.
10. The unit shall commission mechanical sludge handling system of adequate capacity.

AND WHEREAS, the unit vide letter dated 11.04.2019 submitted their compliance report including actual assessment of water consumption and effluent generation of season 2018-19 validated by NSI, Kanpur; and

WHEREAS, the unit was inspected on 28.03.2019 by officials from CPCB, Delhi and following observations are made:

1. The unit was operational at the time of inspection.
2. Analysis of treated effluent sample from ETP outlet showed pH-7.40 against the norms of 5.5-8.5, BOD - BDL mg/l against norms of 100 mg/l, COD-10.9 mg/l against norms of 250 mg/l, TDS-452 mg/l against norms of 2100 mg/l and TSS-27.4 mg/l against norms of 100mg/l. However, MLSS in aeration tank was 1291 mg/l which indicates that the aeration tank was unstabilized. Further, significant reduction of BOD (100 %), COD (99.93%), TSS (98.1 %) along with low MLSS level indicate that the ETP system was diluted.
3. Analysis of treated effluent sample from lagoon showed pH-7.52 against the norms of 5.5-8.5, BOD-BDL mg/l against norms of 100 mg/l, COD-8 mg/l against norms of 250 mg/l, TDS-465 mg/l against norms of 2100 mg/l and TSS-54.4 mg/l against norms of 100mg/l.
4. BOD level is below detection limit at different treatment operations. It seems that unit has diluted ETP system at different stages.
5. As reported by unit representative, the boiler ash and press mud are provided to local farmers for blending in their agricultural field/ land filling. But the unit was unable to provide any documentary evidence for the same.
6. The flow observed at the ETP outlet is equal to that at the ETP inlet even though the spray pond treated effluent is also being discharged into the ETP.

It is evident that the aeration tank of ETP system is not properly stabilised due to poor operation and maintenance of ETP system and there is possibility of dilution of ETP system.

NOW, THEREFORE, in view of the above observations and in exercise of the powers, delegated to the Chairman, CPCB under Section 5 of the Environment (Protection) Act, 1986, notice is hereby served to the unit (M/s Dhampur Sugar Mills (DSM) Ltd., U.P) to **Show cause, why the unit should not be closed** down until all the necessary pollution control measures are planned and implemented so as to comply with the prescribed effluent discharge standards notified under Environment (Protection) Act, 1986 to satisfaction of CPCB.

You are hereby given an opportunity to file your objections (if any) to the above proposed direction within 15 days from the date of receipt of this notice, failing which appropriate action will be taken against the unit without giving any further notice as, in accordance with provisions of the Environment (Protection) Act, 1986.

(S.P. SINGH PARIHAR)
CHAIRMAN

13/6/19

Copy to:

1. Principal Secretary

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

Bareilly, 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

Handwritten signature

CHM)