

Speed Post

B-190198/WQM-II(RG)/CPCB/Sugar/14/2017-18

15.05.2019  
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To,

M/s Dhampur Sugar Mills Ltd.,  
Vill & Post-Asmoli,  
Tehsil & Dist-Sambhal,  
U.P.-244304

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986- REG.**

**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 Ltd., Asmoli, Sambhal, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; 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.

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 01.09.2018 submitted their compliance status of the Charter, which was examined and following observations were made:

1. The unit has installed necessary flow meters at requisite points as prescribed under the Charter.
2. The unit has submitted action plan/ compliance report on upgradation of ETP.
3. The unit is maintaining proper logbook for bore-well readings thereby recording their fresh water consumption on regular basis.
4. The unit has stated that no untreated/ partially treated effluent is being discharged on land.
5. The unit shall employ hydro-jet for cleaning of heat exchanger unit.
6. The unit has already set up environmental laboratory with dedicated technical staff.
7. The unit has planned to arrange training for its technical staff on ETP Operation and Maintenance.
8. The unit has submitted compliance report on BMT for Water Recycling and Pollution Prevention.

**AND WHEREAS**, CPCB issued direction dt 22.10.2018 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 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 before commencement of crushing season 2018-2019.
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 before commencement of crushing season 2018-2019.
4. The unit shall install flow meters at major areas of cold and hot water consumption before commencement of crushing season 2018-2019.
5. The unit shall install flow meters for measuring generation of effluent from various prominent areas before commencement of crushing season 2018-2019.
6. The unit shall maintain logbook for individual process unit for recording daily water consumption.
7. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water before commencement of crushing season 2018-2019.
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 before resumption of crushing season 2018-2019.
10. The unit shall submit implementation status of the Charter and performance audit of ETP 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 of operation.

**AND WHEREAS,** Unit reply vide letter dated 02.11.2018 was examined and the following observations were made:

1. As per the directions, the Unit has obtained valid consent to operate from UPPCB with a validity upto 31.12.2019.
2. The Unit has implemented the observations and recommendations of the revalidated adequacy assessment of ETP.
3. The Unit has installed sealed flowmeters along with running hours meter on three borewell to ascertain usage of fresh water for various uses.
4. The unit has installed flow meters at pan boiling, sugar melting section, centrifugal, machine, B&C M/c cooling, mill fibrizor and bearing cooling, D.M Plant and cooling tower, wet scrubber, final molasses cooling tower, cigar outlet, rotary vaccum filter & ETP recirculation.
5. The unit has installed flowmeters for measuring generation of effluent from various prominent areas like mill house outlet, boiling house outlet & spray pond/cooling tower outlet.
6. The unit has informed that it will maintain logbook for individual process Unit for recording daily water consumption and effluent generation.
7. The unit has done colour coding of pipelines carrying recycled process water and fresh process water.
8. The unit has informed that installation of tube settler for separation of sludge and the same shall be completed by December 2018.
9. The unit will carry out analysis of treated effluent discharge parameters notified under Environment (Protection) Rules, 1986 and logbook will be maintained on daily basis.
10. The unit will 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 will submit implementation status of the charter and performance adequacy audit of ETP including actual assessment of water consumption and effluent generation duly validated by NSI during crushing season and will submit the report within 60 days of resumption of operation.

**AND WHEREAS,** The Unit vide letter dated 19.03.2019 and submitted the report on validation of ETP performance prepared by NSI, Kanpur and following major conclusion were drawn:

- i) Necessary flowmeters are not installed at few unit operations e.g. power turbine, process cooling tower make-up etc. which are to be provided.
- ii) The capacity of ETP plant shall be adequate to handle the generated effluent from the plant at the operational & rated capacity of 9000 TCD subject to installation of diffused aeration in equalization tank no.2 and tertiary treatment units requires modification.
- iii) The reported effluent generation as per the validation report is 177.8 litres/ton of cane.
- iv) The Unit may explore possibilities for installation of new CPU for proper treatment of condensate and their re-use.

- v) The Unit has maintained the logbook records for most of the installed flowmeters, the Unit must maintain flow meters for rest of the flowmeters as mentioned in the revalidation of adequacy report.

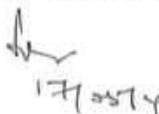
**AND WHEREAS**, the Unit was inspected by CPCB team on 18.03.2019 in which the unit was found operational and following key observations are made by the inspecting team:

1. The analysis of treated effluent samples showed pH – 7.36 against the norms of 5.5 – 9.0, BOD - 19 mg/ml against the norms of 30 mg/l; TSS – 12 mg/l against the norms of 30 mg/l; COD - 68 mg/l against the norms of 250 mg/l and TDS – 680 mg/l against the norms of 2100 mg/l which indicates compliance with respect to discharge norms of Environment (Protection) Rules, 1986.
2. Analysis of treated effluent samples of lagoon showed pH – 7.58, BOD – 11 mg/l, COD – 60 mg/l, TSS – 26 mg/l and TDS – 836 mg/l.
3. Mill has installed the flowmeters but not maintained the logbook of hot and cold water and effluent generation.
4. The mill should install flowmeter at power turbine and process cooling tower make-up.
5. Logbook should be maintained for freshwater consumption at various points as sugar plant, cogeneration and residential.
6. The Unit is having high pressure boiler and should install the CPU for treatment of condensate to ensure its reuse and recycle within the process.

**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 Dhampur Sugar Mills Ltd., Asmoli, Sambhal, U.P.) is directed to comply of the following directions:

1. The unit shall install Condensate polishing Unit for the High pressure boiler.
2. The unit shall maintain logbooks of cold and hot water consumption.
3. The unit shall maintain logbooks for individual process units for recording daily water consumption and effluent generation also.
4. The Unit shall submit the implementation status of charter in the form of Affidavit and documentary proof of the completion of work as committed in the action plan.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s Dhampur Sugar Mills Ltd., Asmoli, Sambhal, U.P.) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

  
(S. P. SINGH PARIHAR)  
CHAIRMAN

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

3. **The Regional Director**  
Regional Directorate  
Central Pollution Control Board, PICUP Bhawan,  
Ground Floor, Vibhuti Khand, Gomti Nagar,  
Lucknow – 226 010

4. **The District Magistrate**  
Sambhal, U.P

✓ 5. The In-charge, IT Division, CPCB

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

: For kind information, please.

: For follow up and ensuring compliance

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: For uploading on CPCB website

: For record

  
(PRASHANT GARGAVA)  
MEMBER SECRETARY