



Speed Post

B-190197/WQM-II(RG)/CPCB/Sugar/15/2016-17 12672

12th November, 2018
16th

To,

M/s Dhampur Sugar Mills Ltd.
Dhampur, Distt.-Bijnor,
U.P.-246761

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 Dhampur Sugar Mills Ltd., Dhampur, Bijnor, 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.03.10.2017 and 09.10.2017 from the Unit prepared by NSI, Kanpur; and

WHEREAS, CPCB issued direction dated 02.11.2017 under section 5 of Environment Protection Act, 1986 to the Unit; and

WHEREAS, the Unit has not submitted action plan to implement recommendations of the adequacy report; and

(Contd..2/-)

WHEREAS, the Unit was inspected on 22.03.2018 by officials from CPCB, Delhi and following observations were made:

1. The Unit and ETP were operational.
2. The Unit has valid consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 upto 31.12.2019.
3. Effluent Treatment Plant (ETP) comprised of Oil & Greases skimmer, Equalisation Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier & Tertiary treatment (Filtration units).
4. Analysis of treated effluent sample shows pH-6.70 as against norms of 5.5-9.0, **BOD-53 mg/l** against norms of 30 mg/l, COD- 101 mg/l against norms of 250 mg/l, TSS- 29 mg/l against norms of 30 mg/l which indicates non-compliance w.r.t. BOD against surface water discharge norms prescribed under Environment (Protection) Rules,1986.
5. MLSS in aeration tank was **524 mg/l**. which indicates unstabilised Activated Sludge Process system due to poor operation and maintenance of ETP system and possibility of dilution of ETP system.
6. The analysis of effluent sample collected from lagoon shows pH-7.13 as against norms of 5.5-9.0, BOD-10 mg/l against norms of 100 mg/l, COD- 36 mg/l against norms of 250 mg/l, TSS- 14 mg/l against norms of 100 mg/l which indicates compliance as per the land discharge norms prescribed under Environment (Protection) Rules,1986.
7. Waste water generation was 1784 KLD and fresh water consumption was 2456 KLD which shows that waste water generation is more than fresh water consumption in sugar mill.
8. Flow meters were not installed at process of the Unit.
9. The Unit has constructed permeable lagoon with capacity of 7000 m³.
10. The Unit has not submitted revalidated ETP adequacy assessment report within 45 days from the date of resumption of operation to CPCB.

AND WHEREAS, CPCB has issued show cause notice dt.07.05.2018 under Section 5 of the Environment (Protection) Act, 1986 to the Unit; and

WHEREAS, the Unit submitted the revalidated adequacy assessment reports prepared by NSI, Kanpur vide letter dt. 10.10.2018; and as per the report following recommendations have been made by NSI, Kanpur:

1. The unit shall install flow meter for measurement of fresh water requirement.
2. The unit shall adopt dry cleaning of floors using bagasse instead of wet cleaning.
3. The unit shall maintain log book for hot water consumption in boiling house and fresh water consumption in co-generation power plant.
4. The unit shall install separate/combined treatment system for spray pond/process cooling tower overflow.
5. The unit shall store treated effluent in impermeable lagoon.
6. The unit shall install hazardous tank to collect washing of chemical cleaning and send it to ETP.

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7. The unit shall install condensate polishing system and aeration in equalization tank.
8. The unit shall improve documentation by maintaining proper printed log books.
9. The unit is having adequate treatment system for installed capacity of 14000 TCD and effluent generation is estimated as 186 L/t of 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.
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 20.07.2018 submitted their compliance status of the Charter, which was examined and following observations were made;

1. The unit has installed flow meters and has maintained log books.
2. The unit has adopted dry cleaning of floors.
3. The unit has installed hazardous tanks to collect washing of chemical cleaning.

4. The unit has installed separate treatment system for spray pond overflow /process cooling tower blow down.
5. The unit is using surplus cooled condensate for make-up water in place of fresh water to reduce fresh water consumption and to lower down effluent generation.
6. The unit will install condensate polishing unit after policy decision by CPCB.

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 Dhampur Sugar Mills Ltd. Dhampur, Distt.-Bijnor, 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 including installation of condensate polishing unit (CPU) for having boilers more than 45 kg/cm² steam pressure.
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.
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 Dhampur Sugar Mills Ltd. Dhampur, Distt.-Bijnor, U.P) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

14/11/18

(S. P. Singh Parihar)
CHAIRMAN

(Contd..5/-)

MM

o/c

Adyastui

Copy to:

1. **Principal Secretary (Sugar)**
Sugar Industry and Cane Development
Department, "G" Block 2/3, Mantri Wing 4th
Floor Bapu Bhawan Vidhan Sabha Marg
Lucknow - 226 001
2. **Member Secretary**
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 & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003
4. **Regional Directorate**
Regional Director
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010
- ✓ 5. In-charge, IT Division, CPCB
6. Master file/Guard file WQM II, CPCB Delhi

: With request to ensure compliance
of the directions.

: For kind information, please.

: For kind information, please.

: For follow up and ensuring
compliance


(PRASHANT GARGAVA)
MEMBER SECRETARY