

Speed Post

B-190198/WQM-II(RG)/CPCB/Sugar/19/2016-17

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30.05.2019

06.06

To,

**M/s Dwarikesh Sugar Industries Ltd.
Dwarikesh Puram Afzalgarh,
Bijnor, U.P.-246762**

**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 Dwarikesh Sugar Industries Ltd., Dwarikeshpuram, Afzalgarh, Bijnor (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, the unit was inspected on 12.04.2018 by officials from CPCB, Delhi and following observations were made;

1. Analysis of treated effluent sample showed pH-7.41 as against norms of 5.5-9.0, **BOD-52 mg/l** against norms of 30 mg/l, COD- 101 mg/l against norms of 250 mg/l & **TSS-35 mg/l** against norms of 30 mg/l which indicates non-compliance w.r.t. BOD & TSS with the effluent surface discharge norms prescribed under Environment (Protection) Rules, 1986.
2. MLSS in aeration tank was 8038 mg/l which indicates improper operation & maintenance of ETP system.
3. Multiple discharge points were observed which indicate possibility of bypassing untreated effluent through these multiple channels.
4. The Unit has not installed CPU unit for high pressure boiler.
5. A lagoon was constructed for storage of treated effluent. However, it was found empty during inspection.
6. The Unit has not submitted irrigation management plan.

AND WHEREAS, CPCB issued Show Cause Notice dated 05.06.2018 under Section 5 of Environment (Protection) Act, 1986; and

WHEREAS, unit's reply vide letter dated 27.06. 2018 was examined; 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 (hereafter 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. All 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 19.07.2018 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 restrict its production capacity upto 6000 TCD subject to obtaining valid consent from UPPCB.
2. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
3. The unit shall maintain MLSS in the aeration tank between 2000- 2500 mg/l.

4. The unit shall maintain logbook for individual process unit for recording daily water consumption and effluent generation also.
5. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
6. The unit shall commission mechanical sludge handling system of adequate capacity.
7. The unit shall carry out analysis of parameters as per Environment (Protection) Rules, 1986 on daily basis and maintain logbook of the same.
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 before resumption of crushing season 2018-2019.
9. 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 period.

AND WHEREAS, the Unit replied vide letter dated 07.01.2019 enclosing the report on adequacy and validation assessment of ETP which was examined and following observations were made;

1. Unit has implemented all the recommendations and observations as per Adequacy assessment of ETP.
2. Unit has maintained MLSS of aeration tank in between 2000-2500.
3. Unit has maintained logbook for daily water consumption and effluent generation.
4. Unit has carried out colour coding of pipelines carrying recycled process water and fresh process water.
5. Unit has installed two nos. of filter press for sludge handling.

AND WHEREAS, the unit was inspected on 28.03.2019 by team of CPCB officials and following observations are made;

1. The unit and ETP were operational at the time of inspection.
2. During the inspection, tertiary treatment system was non-functional.
3. Analysis of treated effluent sample shows pH-7.37 as against norms of 5.5-8.5, BOD- 12mg/l against norms of 30 mg/l, COD- 53 mg/l against norms of 250 mg/l, TSS- 28mg/l against norms of 30 mg/l and **TDS- 2180 mg/l** against norms of 2100 mg/l which indicates non-compliance w.r.t. TDS as per the effluent surface discharge norms prescribed under Environment (Protection) Rules, 1986 with surface discharge norms applicable as the unit is discharging the treated effluent into Nachna drain.
4. Multiple discharge points were observed which indicate possibility of bypassing untreated effluent through these multiple channels.
5. The Unit has not installed Condensate Polishing Unit for high-pressure boiler.
6. The Unit has not installed flow meters on the cold water consumptions points.

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

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 Dwarikesh Sugar Industries Ltd., Dwarikeshpuram,

Afzalgarh, Bijnor) to **show cause, why the Unit should not be closed** down until all the necessary pollution control measure 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 provision of the Environment (Protection) Act, 1986.

(S.P. SINGH PARIHAR)
CHAIRMAN

03.06.2019

Copy to:

1. **Principal Secretary**
Sugar Industry and Cane Development
Department, "G" Block 2/3, Mantri Wing 4th Floor
BapuBhawanVidhan 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. **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
5. The In-charge, IT Division, CPCB
:with request to upload on CPCB server.
6. Master file/Guard file, WQM II, CPCB Delhi

(PRASHANT GARGAVA)
MEMBER SECRETARY