

Speed Post

B-190197/WQM-II(RG)/CPCB/Sugar/44/2016-17

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To,

**M/s Dwarikesh Sugar Ind. Ltd.
Faridpur, Bareilly,
U.P.-243503**

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

WHEREAS, the Unit was inspected on 30.01.2018 by officials from CPCB, and following observations were made:

1. The Unit has installed Effluent Treatment Plant (ETP), which is comprised of Oil and Grease Skimmer, Equalisation Tank, Primary Clarifier, Aeration Tank (2), Secondary Clarifier, Chlorination Tank, Multi Grade Filter & Activated Carbon Filter.
2. Analysis of treated effluent sample shows pH-7.04 as against norms of 5.5-9.0, **BOD-32 mg/l** against norms of 30 mg/l, COD-89.7 mg/l against norms of 250 mg/l, TSS-10 mg/l against norms of 30 mg/l and **TDS-2865 mg/l** against norms of 2100 mg/l which indicates non-compliance w.r.t. BOD & TDS with the effluent surface discharge norms prescribed under Environment (Protection) Rules, 1986.
3. The MLSS in aeration tank 1 and aeration tank 2 was **13,072 mg/l and 10,469 mg/l** respectively which indicates unstabilised Activated Sludge Process system due to poor operation and maintenance of ETP system.

4. The Unit has not submitted the irrigation management plan.

AND WHEREAS, the Unit submitted the revalidated adequacy assessment reports prepared by NSI, Kanpur vide letter dt.16.04.2018; and

WHEREAS, CPCB has issued show cause notice dt. 09.05.2018 under Section 5 of the Environment (Protection) Act, 1986 to the unit as the unit failed to meet the effluent discharge norms; and

WHEREAS, CPCB received the reply of show cause notice vide letter dt 23.05.2018 from the unit; 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 submitted their compliance status of the Charter vide letter dt 27.11.2018; and

WHEREAS, CPCB issued compliance direction dated 12-12-2018 to the unit to comply with following directions:

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 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 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, and IITs during crushing season & submit the report to CPCB within 60 days of resumption of operation.

AND WHEREAS, the unit was inspected on 27.03.2019 by officials of CPCB and following observations are made:

1. The unit has installed flow meters at various locations i.e. boiling house, RO plant, hot and cold water utilisation section, boilers, cleaning process, spray pond overflow, at outlet of mill house and, ETP inlet etc. to quantify the wastewater generation.
2. Log book for section/process wise freshwater consumption and waste water generation is maintained by the unit.
3. The unit has provision for separate spray pond overflow treatment.
4. The unit has not adopted the rain water harvesting system.
5. Colour coding of pipeline for water distribution network is done by the unit.
6. Domestic sewage treated by STP and discharged into sewer line within the premises of the unit.
7. Treated waste water discharged to pipeline on playground and agricultural land within premises of the unit.
8. The unit has installed separate treatment system for spray pond overflow and industrial effluent for ETP.
9. Unit has no record of maintenance for tube cleaning w.r.t to chemical consumption, water consumption, frequency and waste water generation by the unit.

10. Analysis of treated effluent sample collected from ETP outlet showed pH-7.9 against the norms of 5.5-8.5; BOD-27.1 mg/l against the norms of 30mg/l; COD-59.5 against the norms of 250; **TSS-154mg/l** against the norms of 30mg/l, TDS-1654 mg/l against norms of 2100mg/l and O&G- BDL against the norms of 10mg/l which indicated non-compliance w.r.t. TSS with the surface water discharge norms prescribed under Environment (Protection) Rules, 1986.

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, M/s Dwarikesh Sugar Ind. Ltd., Faridpur, Bareilly, U.P. is directed to **Show cause as to why the Unit should not be directed to remain closed** and do not commence its operation in the next crushing season 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.

21/6/19
(S. P. SINGH PARIHAR)
CHAIRMAN

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 & to ensure
compliance of the directions 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. Regional Directorate

Regional Director
Central Pollution Control Board, PICUP
Bhawan, Ground Floor, VibhutiKhand,
Gomti Nagar, Lucknow – 226 010

:For follow up and ensuring
compliance.

5. In-charge, IT Division, CPCB

:For uploading on the CPCB website

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

:For record


(PRASHANT GARGAVA)
MEMBER SECRETARY

o/c

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