



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

Speed Post

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

December 07<sup>th</sup>, 2018  
12

To,

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

**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 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**, CPCB issued direction dated 16.06.2017 under section 5 of Environment (Protection) Act, 1986 to the Unit; and

**WHEREAS**, the CPCB received adequacy assessment report vide letter dt.21.09.2017 from the unit prepared by NSI, Kanpur; and

**WHEREAS**, the Unit has submitted implementation status of action plan vide letter dated 16.10.2017; and

**WHEREAS**, CPCB issued direction dated 08.11.2017 under section 5 of Environment Protection Act, 1986 to the Unit; and

(Contd..2/-)

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

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

**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 as per the report following recommendations have been made by NSI, Kanpur;

1. The unit shall install flow meter for freshwater to measure mill fibrizer, power turbine water quantity, B&C m/c cooling, SO<sub>2</sub> gas cooling tower, cleaning, human and lab requirement.
2. The unit shall ensure not to bypass treated effluent from the main ETP prior to flow meter at ETP outlet.
3. The unit shall construct a hazardous tank to collect washings of chemical cleaning.
4. The unit shall take adequate steps to obtain a satisfactory performance of CPU.
5. The unit is having adequate treatment system for installed capacity of 7500 TCD and waste water generation is estimated as 150.77 L/t of cane crushed.

**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

(Contd..3/)



**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, 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 adopted dry cleaning of floors by bagasse.
3. The unit has installed combined treatment of PCT and process waste water with tertiary treatment by MGF and ACF technology.
4. The unit is in process of installing hazardous tank.
5. The unit has set up environmental laboratory with dedicated technical staff.

**NOW, THEREFORE**, in view of the above observations, and exercising powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, the unit (M/s Dwarikesh Sugar Ind. Ltd., Faridpur, Bareilly, 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.

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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, 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 Dwarikesh Sugar Ind. Ltd., Faridpur, Bareilly, U.P.) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

(S. P. Singh Parihar)

CHAIRMAN

11.12.18

Copy to:

1. **Principal Secretary (Sugar)**  
Sugar Industry and Cane Development  
Department, "G" Block 2/3, Mantri Wing 4th  
Floor BapuBhawanVidhan Sabha Marg  
Lucknow - 226 001
2. **Member Secretary**  
Uttar Pradesh Pollution Control Board,  
Building No. TC-12V, VibhuthiKhand,  
Gomti Nagar, Lucknow - 226 010
3. **Joint Secretary (CP Division)**  
Ministry of Environment, Forest & C.C  
Prithvi Block, Indira ParyavaranBhawan,  
Jorbagh Road, New Delhi - 110 003

: With request to ensure compliance of the directions.

: For kind information, please.

: For kind information, please.

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