



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

13.11.2019
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To,

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

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 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; 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 (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 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.

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

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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 along with report on adequacy and validation assessment of ETP; and

WHEREAS, the unit was inspected on 28.03.2019 by team of CPCB officials and following observations were 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 consumption points.

AND WHEREAS, CPCB has issued show cause notice dt. 06.06.2019, under Section 5 of the Environment (Protection) Act, 1986 to the unit as the unit failed to meet the effluent discharge norms; and

WHEREAS, the unit reply vide letter dated 17.06.2019 was examined and following observations are made:

1. The unit has MGF and ACF capacity to feed 75 KL per hour (1800 KLD), while waste water generation is nearly 1000 KLD to 1100 KLD, so unit is operating tertiary treatment system as per requirement.
2. The unit has submitted the analysis report from EPA recognized laboratory.
3. The unit has no multiple discharge or bypass arrangements and all old drains are plugged with cemented wall.
4. The unit treats excess condensate by chemical treatment and reuse the same in cooling tower.
5. The unit has installed flow meters at major water consumption points.

AND NOW, THEREFORE, in view of above observations and in exercise of powers delegated to Chairman CPCB under Section 5 of the Environment (Protection) Act, 1986, the unit (M/s Dwarikesh Sugar Industries Ltd., Dwarikeshpuram, Afzalgarh, Bijnor) is directed to comply with the following directions:

1. The unit shall provide performance assessment of effluent treatment system and analysis of treated effluent by the reputed government institute within 60 days from resumption of operation in next crushing season 2019-20.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s Dwarikesh Sugar Industries Ltd., Dwarikeshpuram, Afzalgarh, Bijnor) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.


(S.P. SINGH PARIHAR)
CHAIRMAN

Copy to:

- 1) **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.

2) **Principal Secretary**
Sugar Industry and Cane Development
Department, "G" Block, 2/3, Mantri Wing, 4th
Floor, Babu Bhawan, Vidhan Sabha Marg
Lucknow - 226 001

3) **Member Secretary**

Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow - 226 010

4) **District Magistrate**
Bijnor, U.P.

5) **Regional Director**

Regional Directorate
Central Pollution Control Board, PICUP
Bhawan, Ground Floor, Vibhuthi Khand, Gomti
Nagar, Lucknow - 226 010

6) ~~In-charge~~, IT Division, CPCB

7) Master file/Guard file, WQM II, CPCB Delhi

8) In-charge, F&A, CPCB

: With directions to ensure following actions:

a) To ensure compliance of directions.
b) To constitute surveillance team for
monitoring of sugar mills to stop any
bypass/ discharge of untreated
effluent.

c) To organize surprise inspection of the
unit on monthly basis to ensure that
ETP is properly operated and treated
effluent is complied with the norms.

d) To obtain undertaking from sugar
mills that they will not indulge in
bypass of effluent and will maintain
functional ETP.

:For follow up and ensuring compliance.

:with request to upload on CPCB server.


(PRASHANT GARGAVA)
MEMBER SECRETARY