



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-190198/WQM-II (RG)/CPCB/Sugar/85/2016-17 12651

November 8th, 2018

Nov. 15th

To,

M/s DSCL Sugar,
Hariyawan, Hardoi,
U.P., 241405

DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986-reg.

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 DSCL Sugar, Hariyawan, Hardoi (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 16.08.2017 under Section 5 of Environment (Protection) Act, 1986 to the unit for carrying out ETP adequacy assessment by reputed institutions; and

WHEREAS, CPCB received adequacy assessment report vide letter dt. 28.08.2017 from the unit prepared by NSI, Kanpur; and

WHEREAS, CPCB issued revocation direction dated 02.11.2017 under Section 5 of Environment (Protection) Act, 1986 to the unit; and

WHEREAS, CPCB received implementation status of recommendations of the adequacy report on 20.12.2017; and

WHEREAS, the unit was inspected on 15.01.2018 by officials from CPCB, Delhi and following observations were made:

1. The analysis of treated effluent sample shows pH-7.57 as against norms of 5.5-9.0, **BOD-65.7 mg/l** against norms of 30 mg/l, COD-240 mg/l against norms of 250 mg/l and TSS-26.9 mg/l against norms of 30 mg/l which indicates non-compliance w.r.t. BOD with the effluent surface discharge norms prescribed under Environment (Protection) Rules, 1986.

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2. The analysis of underground water sample showed **total Hardness-253 mg/l** as against limit of 200 mg/l and **Alkalinity-249 mg/l** against limit of 200 mg/l which is higher than the permissible limit of Bureau of Indian Standards (BIS).
3. Effluent generated is collected in open conveyance channel and then it is carried to ETP. The open conveyance channel is passed along the public road placed in between the process area and ETP area.
4. Blackish effluent in primary clarifier indicates about high content of sulphur in the influent interfering in the treatment efficiency of system.
5. Overflow from primary & secondary clarifiers was not smooth leaving behind several dead packets in the clarifier which disturbs the settling.
6. OCEMS is installed and connected to CPCB server but there is variation in OCEMS data and CPCB analysis data which indicates that OCEMS system installed is not properly calibrated.
7. The Unit has not submitted revalidated ETP adequacy assessment report within 45 days from the date of resumption of operation to CPCB.

WHEREAS, CPCB issued Show Cause Notice under Section 5 of Environment (Protection) Act, 1986 dated 27.04.2018 to the unit; and

AND WHEREAS, the unit replies dated 12.06.2018 and 05.09.2018 were examined and following observations were made:

1. The high BOD value in the sample was due to emergency corrective maintenance for a short time.
2. The total hardness and alkalinity of the samples is below the permissible limit 600 mg/l.
3. The color of primary clarifier was blackish during the inspection due to sudden stoppage and maintenance of clarifier for a short duration after which the operation was restored immediately.
4. In order to have uniform overflow from the clarifier outlet, the damaged weir plates have been replaced immediately and smooth flow of overflow is being maintained.

WHEREAS, the unit has submitted revalidated adequacy report of the ETP vide letter dated 05.09.2018; 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 is in the process of installing necessary flow meters at requisite points as prescribed under the Charter and has assured completion of the same.
2. The unit is maintaining proper logbook for bore-well readings thereby recording their fresh water consumption on regular basis.
3. The unit has already set up environmental laboratory with dedicated technical staff.
4. The unit has planned to arrange training for its technical staff on ETP Operation and Maintenance.

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 DSCL Sugar, Hariyawan, Hardoi ,U.P.) is directed to comply with the following directions before commencement of crushing season 2018-2019:

1. The unit shall restrict its production capacity upto 7500 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 install sealed flow meter along with running hours meter on bore wells so as to ascertain usage of fresh water for various uses .
4. The unit shall install flow meters at major areas of cold and hot water consumption.
5. The unit shall install flow meters for measuring generation of effluent from various prominent areas.
6. The unit shall maintain logbook for individual process unit for recording daily water consumption and effluent generation also.
7. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
8. The unit shall carry out analysis of parameters as per Environment (Protection) Rules, 1986 on daily basis and maintain logbook of the same.
9. The unit shall commission mechanical sludge handling system of adequate capacity.
10. 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.

11. 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.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s DSCL Sugar, Hariyawan, Hardoi, U.P) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.


14/04/18
(S.P.S. Parihar)
CHAIRMAN

Copy to:

1. Principal Secretary (Sugar)
Sugar Industry and Cane Development Department,
"G" Block, 2/3, Mantri Wing
4th Floor, Babu Bhawan
Vidhan Sabha Marg, Lucknow - 226 001
2. Chairperson,
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 Director,
Regional Directorate, Lucknow
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuthi 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.


(Prashant Gargava)
MEMBER SECRETARY