



Speed Post

B-190197/WQM-II(RG)/CPCB/Sugar/89/2016-17

Oct 16th, 2018
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To,

M/s Uttam Sugar Mills Ltd.
Libberheri, Roorkee, Haridwar,
Uttarakhand-247667

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 Uttam Sugar Mills Ltd., Libberheri, Roorkee, Haridwar, Uttarakhand (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, CPCB issued direction dated 23.06.2017 under section 5 of the Environment (Protection) Act, 1986 to the Unit for carrying out ETP adequacy assessment by reputed institutions; and

WHEREAS, CPCB received adequacy assessment report on vide letter dated 11.09.2017 from the unit prepared by NSI, Kanpur; and

WHEREAS, CPCB issued direction dated 02.11.2017 under section 5 of Environment (Protection) Act, 1986 allowing the Unit to operate; and

(Contd..2/-)

WHEREAS, the Unit submitted the revalidated adequacy assessment reports prepared by NSI, Kanpur vide letter dt. 27.02.2018; and as per the report following recommendations have been made by NSI, Kanpur:

1. Flow meters to be installed at major unit operations to ascertain and control hot and cold water requirement.
2. Flow meters to be installed at various consumption points.
3. The co-generation cooling water overflow water is being used as make up water for spray pond. The brine reject and DM plant reject is being utilised for ash quenching.
4. Effluent generation is estimated as 140.1litre/tonne for cane crushed.

AND WHEREAS, the Unit was inspected on 27.03.2018 by officials from CPCB and following observations are made;

1. The Unit and ETP were operational.
2. The Unit has applied for NOC from Central Ground Water Authority (CGWA).
3. Effluent Treatment Plant (ETP) comprises of Bar Screen, Oil & Grease skimmer, Equalisation tank, Primary clarifier, Aeration tank, Secondary clarifier & Tertiary treatment (Filtration units). However, Oil & Grease removal device was not working in a proper way.
4. The analysis of treated effluent sample showed **pH-5.23** as against norms of 5.5-9.0, **BOD-2360 mg/l** against norms of 30 mg/l, **COD-3390 mg/l** against norms of 250 mg/l, and **TSS-187 mg/l** against norms of 30 mg/l which indicated non-compliance w.r.t. pH, BOD, COD, and TSS with effluent surface discharge norms prescribed under Environment (Protection) Rules, 1986.
5. MLSS in aeration tank was **1497 mg/l**. which indicates unstabilised Activated Sludge Process system due to poor operation and maintenance of ETP system.
6. The Unit does not have provision for treatment of overflow from spray pond.
7. Proper logbook was not maintained by the Unit for fresh water consumption.
8. Flow meters were installed at both bore well.

AND WHEREAS, CPCB issued direction dated 18.05.2018 under Section 5 of the Environment (Protection) Act, 1986 the unit to comply the following:

1. The Unit shall close down its Sugar manufacturing operations with immediate effect and shall not resume its operations.
2. The Unit shall obtain valid consent from the concerned State Pollution Control Board.
3. The Unit shall install & Commission ETP system upto tertiary treatment level including adequate treatment system for spray pond overflow effluent in case of double sulphitation process
4. The Unit having high-pressure boiler (>45 Kg/cm²) shall install & Commission Condensate Polishing Unit (CPU) for treatment of condensate water to ensure its reuse & recycle within the process.
5. The Unit shall restrict the treated waste water storage lagoon capacity of 15 days for low demand period for irrigation.

6. The Unit shall get the verification of implement status of the recommendation of adequacy report including ETP performance assessment & effluent generation assessment done by the same institute which carried out adequacy assessment and submit the report to CPCB.
7. The Unit shall inform to CPCB about the Closure of operation immediately.
8. The Unit shall seek permission from CPCB before resumption of manufacturing operations.

AND WHEREAS, the Unit's reply vides letters dated 25.08.2018 and 20.8.2018 were examined;

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 Uttarakhand, representatives of UEPPCB and CPCB was held on 19.07.2018 under Chairmanship of Cane Commissioner, Government of Uttarakhand and the following decisions are made

1. Sugar Mills shall submit an action plan to CPCB by 31.07.2018 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 before start the crushing season.
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.

WHEREAS, the unit vide letter dated 23.07.2018 submitted their compliance status of the Charter, which was examined and following observations were made:

(Contd..4/-)

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 by 20.09.2018.
2. The unit is maintaining proper logbook for bore-well readings thereby recording their fresh water consumption on regular basis.
3. The unit shall employ hydro-jet for cleaning of heat exchanger unit.
4. The unit has already set up environmental laboratory with dedicated technical staff.
5. The unit has planned to arrange training for its technical staff on ETP Operation and Maintenance.
6. The unit has submitted compliance report on BMT for Water Recycling and Pollution Prevention.


AND WHEREAS, the Three Member Committee in its meeting held on 04.10.2018 examined the revalidated adequacy assessment report, & implementation status of the Charter and recommended that the unit may be allowed to resume operation.

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 Uttam Sugar Mills Ltd., Libberheri, Roorkee, Haridwar, Uttarakhand) is directed to comply with the following directions before commencement of crushing season 2018-2019;

1. The unit shall start its operation only after obtaining the valid consent from the Uttarakhand Environment Protection and Pollution Control Board (UEPPCB).
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 commission mechanical sludge handling system of adequate capacity.
9. The unit shall carry out analysis of effluent discharge parameters notified under Environment (Protection) Rules, 1986 and logbook shall be maintained on daily basis.
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 adequacy audit of ETP including actual assessment of water consumption and effluent generation 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 of operation

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (**M/s Uttam Sugar Mills Ltd., Libberheri, Roorkee, Haridwar, Uttarakhand**) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.


18/11/14

(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

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| <p>1. Cane and Sugar Commissioner (Uttarakhand)
Village Hempur Ismile
Bazpur Road, Kashipur ,
Udham Singh Nagar-244713</p> | <p>With request to ensure compliance of the directions.</p> |
| <p>2. Member Secretary
Uttarakhand Environment Protection & Pollution Control Board, 29/20, Nemi Road, Dehradun, Uttarakhand-248001</p> | <p>:With request to ensure compliance of the directions.</p> |
| <p>3. Joint Secretary (CP Division)
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi – 110 003</p> | <p>: For kind information, please.</p> |
| <p>4. District Magistrate
Haridwar, U.P.</p> | <p>: With request to ensure compliance of the directions</p> |
| <p>5. Superintending Engineer
Uttarakhand Power Corporation Ltd.,
Electricity Distribution Circle
Roorkee, Haridwar,
Uttarakhand-247667</p> | <p>: To reconnect the power supply of the unit, please</p> |
| <p>6. Regional Director
Regional Directorate
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010</p> | <p>:For follow up and ensuring compliance</p> |
| <p>✓ 7. In-charge, IT Division, CPCB</p> | |
| <p>8. Master file/Guard file, WQM II, CPCB Delhi</p> | |


(Prashant Gargava)
MEMBER SECRETARY