

Speed Post

B-190198/WQM-II(RG)/CPCB/Sugar/57/2016-17

22.05.2019
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To,

**M/s Triveni Engineering and industries Limited,
Sugar Unit, Milak Narayanpur, Post Office: Dadiyal,
Tehsil: Tanda, District Rampur,
Uttar Pradesh-244925**

**CLOSURE 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 Triveni Engineering and industries Limited, Sugar Unit Milak Narayanpur, Post Office Dadiyal, Tehsil Tanda, Block Sugar, District Rampur, (UP) (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, the Unit was inspected on 06.03.2018 by officials from CPCB, and following observations were made;

1. The unit meets its fresh water requirement though two bore well. The unit has installed the flow meter at both the bore well.
2. The unit has installed the OCEMS at the outlet of ETP and connected with the CPCB server.
3. The unit was found compliance w.r.t. to the discharge standards.
4. The unit has not installed the flow meter at the unit operation.
5. The unit has not submitted the revalidated ETP adequacy assessment report.
6. The unit has submitted the irrigation management plan.
7. The unit has no provision for the treatment of the spray pond.

AND WHEREAS, CPCB issued a letter dated 27.04.2018 for ensuring compliance of direction dated 08.11.2017 under section 5 of the Environment (Protection) Act, 1986, to the unit; and

WHEREAS, the compliance status of the letter 27.4.2018 issued by CPCB, the unit has submitted the revalidated adequacy assessment report prepared by NSI Kanpur was received on dt. 07.06.2018 was examined and following observation are made:

1. Necessary flow meters are installed at few units operational e.g. filter cake washing, pan boiling & molasses conditioning, centrifugal washing etc. to ascertain hot and cold water requirement for other places factory has already procured flow meters are expected to be installed in coming off-season as per earlier recommendations.
2. Flow meter have not been provided at various consumption points as discussed in the report. They are to be provided to ascertain the fresh & other waster requirement specifically for sugar plant i.e. for processing and other uses.
3. The capacity of the ETP plant shall be adequate to handle the generated effluent from the plant at the rated capacity of 4550 TCD @150 liters per ton of came. However, the capacity of carbon filter is inadequate.
4. The effluent discharge though ETP is 86.00 liters/ton cane as per RTMS reading. Which is due to partially by passing and problems associated with the accuracy of the flow meter.
5. The factory has not adopted Sulphate removal system, which may be carried out.
6. As per the analytical details submitted by the factory and also observed that the treated effluent quality was in conformity with the CPCB guidelines.
7. The factory requires improving the documentation/record-keeping by maintaining proper printed log books duly signed and verified by the concern staff.
8. A fanless cooling tower may be provided for recirculating cooling waters.
9. PCT over flow short circuiting is an arbitrary manner be avoided instead treated effluent may be used for spraying on bagasse & gardening.

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 was inspected on 02.04.2019 by CPCB officials, and following observations are made:

1. Flow meters are not installed at power turbine cooling, boiler, wet scrubber, cooling tower of co-generation, SO₂ gas cooling, final molasses cooling at the inlet and reject of RO plant and to make water for shortfall at spray pond/process cooling tower.
2. Log books for some of the installed flow meters are not maintained.
3. No log books for fresh water consumption are maintained by the unit.
4. Recirculation of treated effluent in sugar plant only done in irrigation and washing purposes.
5. Analysis of treated effluent sample collected from **ETP outlet** shows pH; 8.09 (norms: 5.5-8.5), COD: 25 mg/l (norms: 250 mg/l, BOD: 05 mg/l (norms: 100 mg/l), TSS: 49 mg/l (norms: 100 mg/l), TDS: 1692 mg/l (norms:2100 mg/l) and oil & grease: BDL (norms 10 mg/l) complying w.r.t. discharge norms.
6. Sample were collected from water logged inside the premises at two sites samples were collected and found non-complying w.r.t. discharge norms for **site 01** i.e., TSS-148 mg/L (norms 100 mg/L), BOD- 476 mg/L (norms 100 mg/L), COD-924 mg/L (norms 2100 mg/L), TDS- 2852 mg/L (norms 2100 mg/L) and **Site 02** i.e., TSS-362 mg/L (norms 100 mg/L), BOD- 751 mg/L (norms 100 mg/L), and COD-1818 mg/L (norms 2100 mg/L).
7. Analysis of ground water sample collected from industrial premises and result shows Color-13 (norms of Indian standards for drinking water-specification IS 10500: 2012: 5 Hazen units), Total alkalinity -266 mg/L (norms of Indian standards for drinking water-specification IS 10500: 2012: 200 m/l) and Total hardness- 304 mg/L (norms of Indian standards for drinking water-specification IS 10500: 2012: 200 mg/l).

8. Untreated waste water found logged inside the premises at various places may contaminate the ground water.

AND WHEREAS, The Hon'ble National Green Tribunal (NGT), Principal Bench in the matter of OA No. 593/2017 (WP (CIVIL) No. 375/2012), Paryavaran Suraksha Samiti & Anr. Vs. Union of India & Ors. directed Central Pollution Control Board (CPCB) that "*The CPCB may take penal action for failure, if any, against those accountable for setting up and maintaining STPs, CETPs and ETPs. CPCB may also assess and recover compensation for damage to the environment and said fund may be kept in a separate account and utilized in terms of an action plan for protection of the environment*"; and

WHEREAS, in compliance of above quoted Hon'ble NGT order, cases to be considered for levying penalty are discharges in violation of consent conditions/ non-compliance with the directions, such as direction for closure due to non-installation of OCEMS/ non-adherence to the action plans submitted/ intentional avoidance of data submission or data manipulation by tampering OCEMS; and

WHEREAS, as per the methodology for assessing penalty and environmental compensation, environmental compensation to be levied to the unit is calculated as **Rs. 12,90,000/- (Rupees Twelve lakhs ninety thousand only)** for the non-compliance period from 02.04.2019 to 14.05.2019; and

NOW, THEREFORE, in exercise of powers delegated to Chairman CPCB under Section 5 of the Environment (Protection) Act, 1986, the unit is directed close to down its manufacturing operations immediately and deposit **Rs.12,90,000/-** in **CPCB A/c No. 532702050000164 (Bank name: Union Bank of India, IP Extension Branch, Vikas Marg Extn., Delhi; IFSC: UBIN0553271)** towards environmental compensation within 15 days from the date of receipt of direction and shall comply with the following directions:

1. The Unit shall close down all its all manufacturing operations with immediate effect and inform CPCB.
2. The unit shall submit adequacy assessment of treatment facility by reputed government institute; including work completion report regarding implementation of the recommendations of the adequacy report within 45 days.
3. The unit shall stop spread/water logging of effluent on unlined lagoon/land immediately and submit photographic evidence.
4. The unit shall not start its operation without complying with the above directions and written permission from CPCB.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.


(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. Chairman

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

2. Principal Secretary (Sugar)

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

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
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010

5. District Magistrate

District Collectorate, District – Rampur
Pin Code – 244901, UP

6. Managing Director

Urja Bhawan
Pashchimanchal Vidyut Vitran Nigam Ltd.,
Victoria Park, Meerut 250001

✓ **7. In-charge, IT Division, CPCB**

:With request to ensure
compliance of the directions.

: For kind information, please.

:For kind information, please

: For follow up and ensuring
compliance

:[To ensure closure and sealing
of the unit in compliance of the
direction]

: With request dis-connect the
electricity supply of the unit
except domestic

:with request to upload on
CPCB server.


(PRASHANT GARGAVA)
MEMBER SECRETARY

o/c

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