

Speed Post

B-190198/WQM-II(RG)/CPCB/Sugar/72/2016-17

October 15th, 2018
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To,

M/s Triveni Engineering and Industries Ltd.
Unit- Rani Nangal, Thakurdwara,
Aliabad Pipli, Moradabad,
U.P.-244401

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 Ltd., Unit- Rani Nangal, Thakurdwara, Aliabad Pipli, Moradabad, 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 04.07.2017 under section 5 of Environment (Protection) Act, 1986 to the Unit for carrying out ETP adequacy assessment by reputed institutions; and

WHEREAS, the CPCB received adequacy assessment report vide letter dt. 07.10.2017 from the unit prepared by NSI, Kanpur; and

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

WHEREAS, the unit submitted implementation status of recommendations of the adequacy report via letter dated 19.12.2017; and

WHEREAS, the Unit was inspected on 08.03.2018 by officials from CPCB, Delhi and following observations were made;

1. The unit and ETP were operational.
2. Effluent Treatment Plant (ETP) comprised of oil grease removal chamber, Equalization Tank, Primary Clarifier, aeration Tank, Secondary Clarifier & Tertiary treatment (Filtration units).

3. Analysis of treated effluent sample shows pH-7.59 as against norms of 6.5-8.5, BOD – 06 mg/l against norms of 30 mg/l which indicates compliance w.r.t. surface water discharge norms prescribed under Environment (Protection) Rules, 1986.
4. The unit has submitted irrigation management plan.
5. The unit has not submitted revalidated ETP adequacy assessment report.
6. Raw effluent /water was found lying on land near the lagoon and between ETP and lagoon.
7. No record of quantity of water disposed for irrigation was available.
8. The analysis results of sample taken from the lagoon does not meet prescribed standards pH- 6.29 (against norms of 6.5-8.5) , BOD- 176 mg/l (against norms of 100 mg/l), COD- 378 mg/l (against norms of 250 mg/l) , TSS-124 mg/l (against norms of 100 mg/l) and TDS -2336 mg/l (against norms of 2100 mg/l).

AND WHEREAS, CPCB issued Show Cause Notice dated 17.05.2018 under Section 5 of Environment (Protection) Act, 1986 to the unit; and

WHEREAS, the unit vide its reply dated 04.06.2018 submitted the following:

1. The unit submitted the re-validation report of ETP conducted by NSI, Kanpur which indicates inadequate capacity of primary clarifier, sand filter and activated carbon filter. There is no provision of air mixing in equalization tank.
2. The raw effluent lying near the lagoon was due to the cleaning of equalization tank a few days before the visit of CPCB team.
3. Treated effluent is given to farmers for irrigation through pumps and PVC pipe as per the requirement of farmer and quantity of water supplied cannot be measured.
4. Cooling tower overflow goes to lagoon without any treatment along with treated water of ETP.

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 by 30.11.2018.
2. The unit has submitted action plan/ compliance report on upgradation of ETP.
3. The unit is maintaining proper logbook for bore-well readings thereby recording their fresh water consumption on regular basis.
4. The unit has submitted compliance report on BMT for Water Recycling and Pollution Prevention.
5. The unit is in the process of installation of adequate capacity of ACF & MGF along as the cooling tower overflow system.

AND 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 Triveni Engineering and Industries Ltd., Unit- Rani Nangal, Thakurdwara, Aliabad Pipli, Moradabad, U.P.) is directed to comply with the following directions before the commencement of crushing season, 2018-19:

1. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
2. The unit shall install adequate capacity primary clarifier, tertiary treatment system and make arrangement of air mixing in equalization tank.
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 commission mechanical sludge handling system of adequate capacity.
8. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
9. The unit shall carry out analysis of parameters as per Environment (Protection) Rules, 1986 on daily basis and maintain logbook of the same.
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 Triveni Engineering and Industries Ltd., Unit- Rani Nangal, Thakurdwara, Aliabad Pipli, Moradabad, U.P.) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.


(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, Bapu 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

o/c.