

SPEED POST

B-190197/NGRBA (RG)/CPCB/Sugar/69/2016-17

November 8, 2017
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To,

**M/s Tikaula Sugar Mills Ltd.
Ramraj, Tikaula
Muzaffarnagar-251320**

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 & Climate Change, 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 there under and also to meet the consent conditions granted by State Pollution Control Board (SPCBs) / Pollution Control Committees (PCCs); and

WHEREAS, M/s Tikaula Sugar Mills Ltd., Ramraj, Tikaula, Muzaffarnagar (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, the Unit was inspected by the officials of Central Pollution Control Board (CPCB) on 29.12.2016, and observed the following:

1. ETP system consists of bar screen, oil and grease trap, equalization tank, aeration tank, primary clarifier, secondary clarifier, & sludge beds.
2. Analysis of treated effluent collected from the outlet of ETP shows TSS- 194 mg/l (against norms of 100mg/l), which indicates non-compliance with the prescribed effluent discharge norms under Environment (Protection), Rules, 1986.
3. The unit has failed to install the flow-measuring device at the inlet of ETP.

AND WHEREAS, CPCB issued show cause notice on dated 20.4.2017 to the unit; and

WHEREAS, the unit's reply dated 15.05.2017 was examined and following observation made:

1. The unit is utilizing treated effluent in sugar process. There is no discharge of effluent outside in drain. The remaining treated water is being given to the farmer for irrigation.
2. The unit has installed flow-measuring device (V notch) at ETP inlet.

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AND WHEREAS, CPCB issued direction dated 6.06.2017 under Section 5 of the Environment (Protection) Act, 1986, the (M/s Tikaula Sugar Mills Ltd., Ramraj, Tikaula, Muzaffarnagar) is directed to compliance with the following directions) to comply with the following;

1. The unit shall remain closed till compliance with the following directions.
 - i. The unit shall submit the following reports to CPCB duly validated by reputed institutions like National Sugar Institute, Kanpur/Vasandada Sugar Institute, Pune /IITs;
 - a. ETP adequacy assessment reports;
 - b. time bound action plan for ETP augmentation & upgradation upto tertiary treatment level; to comply with the standards notified G.S.R. 35 (E), MoEF &CC, January 14, 2016 for effluent disposal, & wastewater conservation.
 - c. water audit and mass balance report to establish waste water generation rate;
 - d. action plans to achieve the notified effluent discharge quality and generation standards.
 - e. Irrigation management plan as per the new notified standards on January 14, 2016; and
 - ii The unit shall restrict the storage capacity of lined lagoon upto 15 days of effluent generation.
 - iii The unit shall meet the BOD-30mg/l standards for discharging any effluent on land /surface water body whereas effluent stored in lined lagoons/tanks of capacity not more than 15 days shall comply with BOD-100 mg/l standards.
2. The unit shall stabilize the ETP by September 2017 before commencing of the new crushing season. The unit will not be allowed to resume manufacturing operations till stabilization of ETP system.
3. The unit shall upgrade of process technology, ETP system & adapt the best practice in a time bound manner and submit a report to CPCB.
4. The unit shall seek permission from CPCB, after compliance with the above-mentioned directions before resumption of manufacturing operations.

AND WHEREAS, the Unit has submitted the adequacy reports validated by NSI, Kanpur on 09.10.2017; and

WHEREAS, in the review meeting held with the sugar mills on 12.10.2017 at CPCB, Delhi, it was informed that the unit has started the stabilization of the ETP since 20th October 2017; and

WHEREAS, CPCB constituted a Three-member committee vide office order dated 27.09.2017 having representative from CPCB, MoEF &CC and NMCG for examination and recommendation for revocation of the closure direction issued by CPCB; and

WHEREAS, the Three-member committee in its meeting held on 31.10.2017 examined the inspection report of the Unit and recommended that the Unit may be allowed to resume operation with the following recommendation:

1. The unit shall submit implementation status of the action plan before 30.11.2017.
2. The analysis result of the treated effluent shall also be submitted within 45 days through EPA recognised laboratories.

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 Doiwala Sugar Company Ltd., Doiwala, Dehradun, U.K.) is directed to comply with the following directions ;

1. The unit shall start its operation only after obtaining valid consent from the concerned State Pollution Control Board.
2. The unit shall submit implementation status of the action plan before 30.11.2017.
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 (Brine recovery system to be installed in case of sugar refinery having Ion Exchange Process for sugar melt de-colorization).
4. The Unit having high-pressure boiler (>45 Kg/cm²) shall install & Commission Condensate Polishing Unit (CPU) within 45 days for treatment of condensate water to ensure its reuse & recycle within the process.
5. The unit shall restrict the effluent storage capacity to 15 days.
6. The Unit shall utilise treated effluent meeting the prescribed norms for irrigation as per the irrigation management plan validated by expert institutions namely, NSI, Kanpur/ VSI, Pune/ Agricultural Institutions.
7. The unit shall implement the observation and recommendation of the adequacy report within 45 days.
8. The unit shall get the verification of implementation 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 within 45 days from date of resumption of manufacturing operations.
9. The analysis result of the treated effluent shall also be submitted within 45 days through EPA recognised laboratories.
10. If the unit fails to provide the verification report duly validated by the expert institutions, the unit shall automatically stop all its manufacturing operations after 45 days from date of resumption of manufacturing operations.

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

(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. **District Magistrate**
Muzaffarnagar,
Uttar Pradesh-242307
3. **The Advisor (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, **New Delhi - 110 003**
4. **The Superintending Engineer**
Paschimanchal Vidyut Vitaran Nigam Limited
Electricity Distribution Division
Yamuna Vihar, Islam Nagar, NH-58,
Meerut Road, Muzaffarnagar,
Uttar Pradesh
5. **Regional Director**
Regional Directorate,
Central Pollution Control Board PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow - 226 010.
6. The In-charge IPC-III Division, CPCB Delhi
7. The In-charge IT Division, CPCB Delhi
8. Guard file, WQM-II, CPCB Delhi

: with a request to ensure compliance of the directions

: With a direction to connect power supply for industrial operations.

A. Sudhakar
(A SUDHAKAR)
MEMBER SECRETARY