

Speed Post

B-190198/WQM-II (RG)/CPCB/Sugar/50/2017-18

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To,

~~M/s Mawana Sugar Works,
Mawana, Meerut,
U.P.-250402~~

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986-
CLOSURE NOTICE THEREOF**

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 Mawana Sugar Works, Mawana, Meerut, U.P.-250402 (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 CPCB on 05.01.2017 and following observations were made; and

1. ETP system consists of Oil & grease trap, equalization tank, aeration lagoon, clarifiers and sun drying bed filters.
2. Treated effluent sample analysis showed BOD 16 mg/l (as against norms of 100 mg/l), TSS 26 mg/l (as against norms of 100 mg/l), TDS 624 mg/l (as against norms of 2100 mg/l) and pH 7.34 (as against norms of 5.5-8.5) which indicates compliance with the prescribed effluent discharge norms under Environment (Protection), Rules, 1986.
3. The unit has installed online continuous effluent monitoring system (OCEMS). However, a stream of treated effluent was transported to separate room where the OCEMS system found installed in the outlet of ETP, which is not proper as per the protocol.

(Contd..2/-)

WHEREAS, CPCB issued Direction dated 15 May, 2017 under section 5 of Environment Protection Act, 1986 to the Unit for compliance with the following:

1. The Unit shall install the online continuous effluent monitoring system on the main outlet channel of ETP.

WHEREAS, the Unit submitted adequacy assessment report vide letter dt.06.10.2017 prepared by NSI which was examined and following observations are made;

1. The Unit should install the flow meter flow meter for the fresh water consumption for sugarhouse processing, Co-generation, and other uses.
2. The Unit should install the flow meter at the inlet of ETP as well as the overflow of spray pond.
3. The Unit should install the Primary clarifier, sand and carbon filter for the tertiary treatment and lagoon for the storage of treated effluent in the low demand period.
4. The Unit should maintain the rainwater harvesting system to reduce fresh water consumption.
5. The Unit should use the hydro-jet technology for cleaning of tubular heat exchangers.
6. The Unit should discharge from single point and block all other sources.

AND WHEREAS, the Unit has submitted the implementation of action plan vide letter dt 11.10.2017 and 15.11.2017 with the following implementation:

1. The Unit will install the tertiary treatment from 12-15 weeks from the date of 11th November, 2017 onwards.
2. The Unit will construct the Primary Clarifier for improving the efficiency from 8-10 weeks from 15th November, 2017 onwards.
3. The Unit will construct a lagoon of 12000 cum from 16-20 weeks from 11th November, 2017 onwards.

AND WHEREAS, the Unit (M/s Mawana Sugar Works, Mawana, Meerut, U.P.) was inspected on 04.01.2018 by officials of CPCB and following observations are made; and

1. The Unit was operational at the time of inspection.
2. The ETP is comprises of Oil & Grease Skimmer, Equalization tank, Aeration tank, Tertiary treatment and sludge drying beds.
3. The Primary Clarifier and Lagoon with a capacity of 12000 KL are under construction.
4. The Unit was bypassing the untreated effluent from the process into the drain outside the premise of the unit in the front gate of the unit.
5. Analysis of untreated effluent being bypassed shows BOD-276mg/l (against norms of 30mg/l), TSS-256mg/l (against norms of 30mg/l) which indicates non-compliance with the prescribed effluent discharge norms under Environment (Protection) Act,1986.

It is evident that the untreated effluent is being discharge/bypassed into drain posing potential threat to the river water quality.

(Contd..3/-)

AND WHEREAS, the Unit is required to implement following measure besides other necessary pollution causing measure:

1. To submit action plan within 15 days to implement the recommendations (including the general observation) of the adequacy report within 45 days.
2. To install & Commission ETP system up to 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).
3. To install & Commission Condensate Polishing Unit (CPU) within 45 days for treatment of condensate water to ensure its reuse & recycle within the process if Unit is having high pressure boiler ($>45 \text{ Kg/cm}^2$).
4. To restrict the effluent storage capacity to 15 days.
5. To 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.
6. To verify the 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.
7. The analysis result of the treated effluent shall also be submitted within 45 days through EPA recognised laboratories.

AND NOW, THEREFORE, in view of above observations and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, the unit (M/s Mawana Sugar Works, Mawana, Meerut, U.P.) is directed to **close down its manufacturing operations immediately** till compliance of the following directions;

1. The unit is directed to close down its Sugar manufacturing operations with immediate effect and shall not resume its operations.
2. The Unit shall dismantle the bypass arrangement and stop untreated effluent discharge immediately.
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 ($>45 \text{ Kg/cm}^2$) 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.

(Contd..4/-)

6. The unit shall also comply with new standards notified G.S.R. 35 (E), MoEF&CC, January 12, 2016 for effluent disposal, waste water conservation and pollution control management.
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.


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

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(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

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| <p>1. The Chairman
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow – 226 010</p> | <p>: With request to ensure compliance of the directions.</p> |
| <p>2. The Incharge (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>3. The District Magistrate
Meerut, U.P.-250402</p> | <p>: With request to ensure closure of the unit in compliance of the directions</p> |
| <p>4. The Superintending Engineer
Paschimanchal Vidyut Vitran Nigam Limited
Meerut, U.P</p> | <p>: With a direction to disconnect power supply</p> |
| <p>5. The Regional Director
Regional Directorate
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuthi Khand, Gomti Nagar,
Lucknow – 226 010</p> | <p>: For follow up and ensuring compliance</p> |
| <p>6. The In-charge, IT Division, CPCB</p> | |
| <p>7. Master file/Guard file WQM II, CPCB Delhi</p> | |


(A SUDHAKAR)
MEMBER SECRETARY