

SPEED POST

B-190197/NGRBA (RG)/CPCB/Sugar/66/2016-17

November 24, 2017
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To,

**M/s Simbhaoli Sugar Limited, (Sugar Division),
Simbhaoli, District Hapur
U.P. -245207**

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 Simbhaoli Sugar Mills Ltd., Simbhaoli, Hapur (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 25.02.2017, and observed the following:

1. There are underground municipal drains available at both sides of the high way, which ultimately connects to Phuldera drain. The presence of suspected untreated effluent was found in one of the drains. However direct discharge of untreated effluent from the sugar unit was not observed.
2. The analysis results of the samples collected from ETP outlet –indicates that the value of pH-7.08, COD-568 mg/l, BOD-348 mg/l, and TSS-157 mg/l are much higher than the prescribed standards. Analysis of intermediate sample drawn from Phuldera drain, downstream to Buxor Cross regulator showed pH -4.79, COD-8319 mg/l, BOD-6736 mg/l, TSS-3217 mg/l and colour 3264 Hazen. Sample collected from ETP inlet of M/S Simbhaoli Sugars Ltd., sugar unit showed pH-4.32, COD-4925 mg/l, BOD-3012 mg/l,

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TSS-200 mg/l and colour 872 mg/l. Analysis of sample drawn from municipal sewage drain showed pH-5.28, COD-1851 mg/l, BOD-463 mg/l, TSS-699 mg/l and colour 1261 Hazen indicates contamination of untreated effluent from sugar unit.

3. Coloured effluent was observed at the end point of Phuldera drain, meeting Siana escape, where it ultimately joins the irrigation canal and flows to Ganga.
4. The OCEMS indicated that parameters were within limits; however flow was not connected. Manual V-notch indicated a flow of 36.53 m³/hr of the treated effluent.

AND WHEREAS, CPCB issued closure direction dated 24.03.2017 to the unit to close down all the manufacturing operation with immediate effect till compliance of following directions:

1. To immediately discontinue the practice of discharging of untreated effluent into Phuldera drain through municipal drain.
2. The unit shall submit adequacy assessment report of the ETP system/up gradation plan prepared by reputed institution like Vasantdada Sugar Institute, Pune, National Sugar Institute, Kanpur, IITs etc to CPCB.
3. The unit shall seek permission of CPCB before restart of manufacturing operations.
4. The unit shall dismantle and remove all bypass arrangement.

WHEREAS, the unit's reply dated 14.04.2017 was examined and following observation were made:

- a. The unit has closed sugar cane manufacturing operation on 05.04.2017 due to off season.
- b. The unit has contacted the National Sugar Institute, Kanpur for getting the adequacy assessment report of the ETP system (communication enclosed).
- c. The unit has dismantled and removed all by pass arrangement from ETP and there exists no direct connection with drain. No evidence/ proof was provided regarding dismantling or blocking of bypass arrangements.

AND WHEREAS, CPCB issued direction dated 06.06.2017 under Section 5 of the Environment (Protection) Act, 1986, to the unit 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.

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- 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 05.10.2017; 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 13.10.2017 examined the adequacy reports and recommended for inspection of the unit by MoEF &CC, NMCG and CPCB officials to verify the ETP status; and .

WHEREAS, a team of CPCB official visited the unit on 08.11.2017 and made the following observations.

1. The unit was found operational at the time of inspection
2. The unit has installed the air diffuser system in aeration chamber.
3. The unit has purchased the flow meter for the unit operation.
4. The unit has installed the hydro jet cleaning system of the tubular evaporator bodies.
5. The unit has installed the agitator in lime mixing tank.

AND WHEREAS, the Three-member committee in its meeting held on 16.11.2017 examined the inspection report of the Unit and recommended for the revocation.

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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 Simbhaoli Sugar Mills Ltd., Simbhaoli, Hapur) 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 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).
3. 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.
4. The unit shall restrict the effluent storage capacity to 15 days.
5. 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.
6. The unit shall implement the observation and recommendation of the adequacy report within 45 days.
7. 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.
8. The analysis result of the treated effluent shall also be submitted within 45 days through EPA recognised laboratories.
9. 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.

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

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(S.P. SINGH PARIHAR)
CHAIRMAN

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Copy to:

1. **Chairman**
Uttar Pradesh Pollution Control Board,
Building No. TC-12V
Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010
2. **District Magistrate**
Hapur, U.P. -245207
3. **The Advisor (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. The In-charge IPC-III Division, CPCB Delhi
6. The In-charge IT Division, CPCB Delhi
7. Guard file, WQM-II, CPCB Delhi

: for information please



**(A SUDHAKAR))
MEMBER SECRETARY**