

SPEED POST

B-190197/NGRBA (RG)/CPCB/Sugar/49/2016-17

November 6, 2017  
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To,

M/s Shree Renuka Sugar Ltd.  
City Center, Debhog, Haldia,  
Puba Medinipur, West Bengal-721657

**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 Shree Renuka Sugar Ltd, City Center, Debhog, Haldia, Puba Medinipur, West Bengal (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 03.01.2017, and observed the following:

1. ETP system consists of bar screen, equalization tank, Primary clarifier, upflow anaerobic sludge blanket reactor, aeration tank, clarifier, & sludge beds.
2. Analysis of treated effluent shows **BOD-34mg/l** (against norms of 30mg/l), **TSS- 100 mg/l** (against norms of 30mg/l), **pH-8.51** (on border line of norms of 5.5-8.5) which indicates non-compliance with the prescribed effluent discharge norms under E (P) Rules, 1986.
3. The Unit has failed to establish the mini-cooling tower for recycling the excess condensate water to process.
4. The effluent generation was estimated to be 360 litre/tonne of cane crushed, as against the prescribed norms of 200 litre/tons.
5. The Unit has failed to implement the action plan for the irrigation.
6. The Unit has not installed the flow-measuring device at the inlet and outlet of ETP.

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**AND WHEREAS**, CPCB issued show cause notice for closure dated 07.03.2017 to the unit ; and

**WHEREAS**, the Unit's reply dated 10.04.2017 was examined and following observation made:

1. The Unit is a sugar refinery which manufactures white sugar using raw sugar.
2. The Unit has no excess condensate water so the establishment of mini-cooling tower is not required.
3. The Unit is a sugar refinery unit not the cane crushing unit and therefore the notified norm of the waste water generation is not applicable to the unit.
4. The treated effluent is used for irrigation by local farmers.
5. The Unit has installed the flow measuring device at the inlet of UASB and will install the flow meter at the outlet.

**AND WHEREAS**, Central Pollution Control Board issued direction dated 30.05.2017 under Section 5 of the Environment (Protection) Act, 1986, the Unit (M/s Shree Renuka Sugar Ltd, City Centre, Debhog, Haldia, Pura Medinipur, West Bengal) is directed to comply with the following directions ;

1. The Unit shall submit the following reports to CPCB duly validated by reputed institutions like National Sugar Institute, Kanpur/Vasandada Sugar Institute, Pune /IITs with in 60 days;
  - (i) ETP adequacy assessment reports;
  - (ii) 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, & waste water conservation.
  - (iii) water audit and mass balance report to establish waste water generation rate;
  - (iv) action Plans to achieve the notified effluent discharge quality and generation standards.
2. 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.
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.

**AND WHEREAS**, the Unit has submitted the adequacy reports validated by VSI, Pune on 06.10.2017; 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 24.10.2017 examined the adequacy report of the Unit and recommended that the Unit may be allowed to resume operation the unit and shall implement the recommendations of the adequacy report and get it verified including performance assessment of the ETP system by the same institute which carried out the adequacy assessment and submit the same to CPCB within 45 days of resumption of operation;

**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 Shree Renuka Sugar Ltd, City Center, Debhog, Haldia, Puba Medinipur, West Bengal) is directed to comply with the following directions ;

1. The Unit shall submit action plan within 15 days to implement the recommendations (including the general observation) of the adequacy report within 45 days.
2. The Unit shall install & Commission ETP system upto tertiary treatment level including 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/cm<sup>2</sup>) 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 implement 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 Shree Renuka Sugar Ltd, City Center, Debhog, Haldia, Puba Medinipur, West Bengal), 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**  
West Bengal Pollution Control Board  
Paribesh Bhavan, 10A, Block -L.A., Sector -III  
Salt lake City, Kolkata-700098
2. **The Advisor (CP Division)**  
Ministry of Environment, Forest & C.C  
Prithvi Block, Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi - 110 003
3. **The District Magistrate**  
Puba Medinipur, West Bengal
4. **Regional Director**  
Regional Directorate,  
Central Pollution Control Board PICUP Bhawan,  
Southernd Conclave , Block 502  
5<sup>th</sup> & 6<sup>th</sup> Floors, 1582 Rajdanga Main Road  
Kolkata-700107 (W.B)
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