

SPEED POST

B-190197/NGRBA (RG)/CPCB/Sugar/61/2016-17

12356

November 24, 2017

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To,

**M/s Riga Sugar Co. Limited,
Dhanuka Gram, Riga,
Sitamarhi, Bihar-843327**

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 Riga Sugar Co. Limited, Dhanuka Gram, Riga, Sitamarhi, Bihar (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, CPCB issued closure direction dated 22.08.2016 to the unit for non- installation of online continuous effluent monitoring system (OCEMS); and

WHEREAS, the unit was inspected by CPCB officials on 03.01.2017, and observed the following:

1. The unit was found operational which is in violation of the CPCB closure direction dated 22.08.2016, for non-installation of OCEMS. ETP was in operation.

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2. ETP system consists of aeration tank, clarifier, & sludge beds. ETP system does not have the equalization tank and primary clarifier as well as the tertiary treatment. The existing ETP system is not adequate.
3. Analysis of effluent sample collected from outlet of ETP showed BOD-457 mg/l (against norms of 30 mg/l), TSS-270 mg/l (against norms of 30 mg/l) & COD-1221 mg/l which indicated non-compliance with the prescribed effluent discharge norms under Environment (Protection) Act, 1986.
4. The unit has failed to implement the irrigation management plan.
5. The unit has not installed the flow meter at water extraction plan.
6. The unit has not installed the flow meter at the recycle channel as well as has not maintained the logbook.

AND WHEREAS, CPCB issued closure direction dated 11.04.2017 for installation of adequate ETP system by the unit; and

WHEREAS, CPCB issued direction dated 20.07.2017 under Section 5 of the Environment (Protection) Act, 1986, the (M/s Riga Sugar Co. Limited, Dhanuka Gram, Riga, Sitamarhi, Bihar) to comply with the following;

1. The unit shall remain closed till compliance the following directions.
 - i. The unit shall install online continuous effluent monitoring system (OCEMS) and provide its connectivity to CPCB / SPCB server same for data verification.
 - ii. The unit shall submit the following reports to CPCB duly validated by reputed institutions like National Sugar Institute, Kanpur/Vasandada Sugar Institute, Pune /IITs within 60 days;
 - 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, & waste water 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
 - iii. The unit shall restrict the storage capacity of lined lagoon upto 15 days of effluent generation.
 - iv. 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 before starting the next crushing season.
4. The unit shall seek permission from CPCB, after compliance with the above- mentioned directions before resumption of manufacturing operations.

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AND WHEREAS, the Unit has submitted the adequacy reports validated by VSI, Pune on 29.09.2017; 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 01st 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 16.11.2017 examined and recommended to resume its operation with the following condition:

- i. The unit shall submit completion report of the action plan within 7 days and to be certified by the same institute.

AND WHEREAS, the unit vide letter dated 26.09.2017 submitted its action plan and the action plan is validated by VSI, Pune vide letter dated 17.11.2017.

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 Riga Sugar Co. Limited, Dhanuka Gram, Riga, Sitamarhi, Bihar) 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 the action plan till 15.12.2017 to implement the recommendations (including the general observations) of the adequacy report.
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 submit completion report duly verified by VSI, Pune/ NSI, Kanpur of the action plan submitted vide letter at 26-09-2017, within seven days of resumption of manufacture operation.

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9. 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.
10. The analysis result of the treated effluent shall also be submitted within 45 days through EPA recognised laboratories.
11. 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 Riga Sugar Co. Limited, Dhanuka Gram, Riga, Sitamarhi, Bihar), 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

Copy to:

1. **Chairman**
Bihar Pollution Control Board,
Parivesh Bhawan, Plot No. Ns-B/2
Patliputra Industrial Area,
Patliputa, Patna (Bihar) – 800 023
2. **District Magistrate**
Sitamarhi, Bihar-843327
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,
Southern Conclave, Block-502,
5th & 6th Floor, 1582 Rajdanga Main Road
Kolkata – 700 107 (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