

SPEED POST

B-190197/WQM-II/RG/CPCB/SUGAR/61/2018-19

May 16th, 2018

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

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT,
1986-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. 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 direction dated 20.07.2017 under section 5 of Environment Protection Act, 1986 to the Unit to remain closed till compliance with the following directions:

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;

(Contd..2/-)

- b) time bound action plan for ETP augmentation & up gradation up to 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
- ii. The Unit shall restrict the storage capacity of lined lagoon up to 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 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.

AND WHEREAS, the CPCB received adequacy assessment report on vide letter dated 29.09.2017 from the unit prepared by VSI, Pune; and

WHEREAS, CPCB issued direction dated 27.11.2017 under section 5 of Environment Protection Act, 1986 to the Unit 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 general observations) of the adequacy report.
3. The Unit shall 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).
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.

(Contd..3/-)

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.
9. 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.
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.

AND WHEREAS, the Unit has submitted implementation status of recommendations of the adequacy report by VSI on dated 14.12.2017; and

WHEREAS, the Unit (M/s. Riga Sugar Co. Limited, Dhanuka Gram, Riga, Sitamarhi, Bihar) was inspected on 06.03.2018 by officials from CPCB and following observations are made;

1. During inspection both unit & ETP found operational.
2. The Unit has valid consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981.
3. There is no overflow in primary clarifier, which reflects that lack of consistency in ETP operation.
4. During inspection, ETP samples were collected from Aeration tank and outlet of ETP to assess the performance of ETP. Analysis of ETP outlet effluent sample showed pH 7.4 (against norms 5.5-8.5), BOD 22 mg/L (against norms 30 mg/L), COD 82 mg/L (against norms 250 mg/L) except TSS **41 mg/L** (against norms 30 mg/L). However, MLSS in aeration tank is **490 mg/l** which indicates poor operation and performance of ETP and possibility of dilution of ETP system.
5. OCEMS installed and connected to CPCB/SPCB servers, whereas periodic calibration of sensor was not done.
6. The settling tank provided for primary and secondary treatment was not in proper condition. The hydraulic overflow levels were not properly maintained in secondary clarifier.
7. Flow meters installed at both inlet and outlet of the ETP.
8. The Unit has not submitted irrigation management plan validated by expert institutes.

It is evident that the aeration tank of ETP system is not properly stabilised due to poor operation and maintenance of ETP system and there is possibility of dilution of ETP system. Untreated/ partially treated effluent is being discharged by the Unit, posing potential threat to surface water/ground water quality.

(Contd..4/-)

AND NOW, THEREFORE, in view of above observation and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, notice is served herewith to **show cause why the Unit (M/s. Riga Sugar Co. Limited, Dhanuka Gram, Riga, Sitamarhi, Bihar) should not be closed down** until all the necessary pollution control measures are planned and implemented so as to comply with the directions dated 27-11-2017 and also to comply with the prescribed effluent discharge standards notified under Environment (protection) Act, 1986 to the satisfaction of CPCB and also **why appropriate environmental compensation not be imposed.**


You are hereby given an opportunity to file your objections (if any) to the above proposed direction within 15 days from the receipt of this notice, failing which appropriate action shall be taken against the Unit without giving any further notice, in accordance with provisions of the Environment (Protection) Act, 1986.

(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **Chairman**
Bihar Pollution Control Board,
Parivesh Bhawan, Plot No. Ns-B/2
Patliputra Industrial Area,
Patliputra, Patna (Bihar) - 800023
2. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan, Jorbagh
Road, new Delhi- 110003
3. **District Magistrate**
Sitamarhi, Bihar-843327
4. **Regional Director**
Regional Directorate,
Central Pollution Control Board,
Southern Conclave, Block-502, 5th & 6th Floor,
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. Master file/Guard file, WQM II, CPCB Delhi

For kind information,
please.


(A SUDHAKAR)
MEMBER SECRETARY