



Speed Post

B-190198/NGRBA(RG)/CPCB/Distillery/39/2016-17/3023

June, 17<sup>th</sup> 2019  
June 25<sup>th</sup>

To,

M/s Riga Sugar Co. Ltd., (Distillery Division)  
Dhanuka Gram Riga, P.O.Riga,  
District-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, 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. Ltd., (Distillery Division), Bihar (hereinafter referred as 'the Unit') is involved in the production of extra neutral alcohol and rectified spirit using molasses as raw material; and

**WHEREAS**, CPCB had issued direction on 24.02.2015 and a follow up direction on 23.04.2015, under section 18(1)(b) of Water Act, 1974 to Bihar State Pollution Control Board for ensuring that the molasses based distilleries including yeast manufacturing units in the state of Bihar shall achieve zero liquid discharge, as per the options specified in the direction; and

**WHEREAS**, the unit was inspected by the officials of Central Pollution Control Board (CPCB), dated 06.03.2018 and following observations were made:

1. The unit has adopted continuous fermentation process with consent capacity of 50 KLPD.
2. The unit has installed Bio-digester, MEE, followed by Bio-composting for the management of spent wash.
3. The unit has not installed piezometers yet.

(Contd..2/-)

4. The unit has not installed Condensate Polishing Unit for further treatment of condensate.
5. Analysis of sample collected from MEE Condensate, showed **pH-4.0, TSS 20 mg/l, TDS 1343 mg/l, BOD-9684 mg/l, & COD 14960 mg/l**. The unit is discharging MEE condensate directly in cooling tower, floor washing and gardening.
6. Disposal of condensate having high **BOD-9684 mg/l, & COD 14960 mg/l** on land application /gardening by the unit is in violation of ZLD condition as speculated under the consent order and poses threat to the surface water/ ground water pollution.

**AND WHEREAS**, CPCB issued direction dated 18.05.2018 under Section 5 of the Environment (Protection) Act, 1986, to the Unit to close down all manufacturing operations with immediate effect and not restart its manufacturing operations till the compliance of following directions:

1. To immediately discontinue the practice of utilising its MEE condensate effluent in Gardening.
2. To install Condensate Polishing Unit (CPU) for the treatment of evaporation condensate and spent lees from distillation plant.
3. To install piezometers at requisite position.
4. To submit the analysis report of the identified recipient drains on monthly basis (by 10<sup>th</sup> of every month) to CPCB/SPCB
5. To submit adequacy, the revalidated adequacy assessment report carried out by the institute which has conducted adequacy of assessment and submit the reports within 10 days after the issue of the direction.
6. The unit shall seek permission of CPCB before restart of manufacturing operations.

**AND WHEREAS**, unit's reply vide letters dated 13.06.18, 03.09.2018 and 21.09.2018, were examined and following observations are made:

1. The unit has closed down its manufacturing operations and has discontinued the practise of utilizing the MEE condensate in gardening.
2. The unit has submitted a detailed action plan on installation of CPU and has placed order for installation and commissioning of CPU by March 2019.
3. The unit currently has in-house condensate treatment facility consisting of pH correction by alkali dosing, followed by ozonation/sand filtration and finally RO treatment.
4. The unit has informed that treated permeate having COD and BOD in the range of 600-800 PPM and 200-300 PPM respectively, will be reused in cooling tower and fermentation process.
5. The unit has procured two piezometers and their installation is underway.
6. The unit is submitting the analysis report of identified recipient drains on monthly basis.
7. The unit is yet to submit revalidated adequacy report since it has been non-operational since April, 2018.

**AND WHEREAS**, the unit was inspected by CPCB officials on 27.09.2018 and the following observations were made:

1. Treatment facility adopted by the unit for treating MEE condensate comprises of

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degradation of MEE condensate, followed by ozonation, sand filtration and RO treatment. The efficiency of the treatment facility could not be validated since the unit was not in operation during inspection.

2. The utilization of treated condensate in cooling tower and fermentation process could not be validated since the unit was not in operation during the inspection.
3. The unit has installed a new bio-digester for increased efficiency of biomethanation.
4. The unit has installed two piezometers.
5. The unit has placed an order for a condensate polishing unit (CPU) of 700 m<sup>3</sup>/day capacity. However, the same is yet to be installed and commissioned.

**AND WHEREAS**, based on the recommendations of the Three Member Committee in its meeting held on 04.10.2018, CPCB issued Direction dated 22.10.2018 under Section 5 of Environment (Protection) Act, 1986, to comply with the following:

1. The unit shall operate for a period of 45 days following which they shall close down the manufacturing operations, intimate the same to CPCB and seek permission from CPCB to resume its operations.
2. The unit shall submit analysis result of the treated condensate for the parameters like pH, COD, BOD, VFA and TDS on weekly basis through environmental laboratory recognized under the Environment (Protection) Act, 1986 and the same shall be provided to CPCB.
3. The unit shall submit revalidated adequacy assessment report along with the performance audit report within the stipulated 45 days of operation
4. The unit shall treat the condensate in the existing interim condensate treatment facility and shall utilize the treated condensate in process activities; the same shall be verified within 45 days of operation by a technical institute.
5. The unit shall not discharge any liquid outside the factory premise.

**AND WHEREAS**, Unit submitted replies dated 04.12.2018, 22.12.2018 and 29.12.2018, which were examined and following observations are made:

1. The Unit has completed the stipulated 45 days of operation on 31.12.2018.
2. The Unit has submitted analysis report of treated and untreated condensate, on weekly basis for the month of November and December, 2018.
3. The Unit has submitted revalidated adequacy assessment report along with performance audit report, within the stipulated 45 days of operation, vide letter dated 22.12.2018.
4. The Unit is treating the evaporation condensate and spent lees in multi sand grade filter, activated carbon filter followed by R.O. treatment. The R.O. permeate (treated condensate) is used as cooling tower make-up and R.O. reject is used as SMEE feed.
5. Officials of VSI, Pune has verified the interim condensate treatment facility.
6. As per unit's reply dated 22.12.2018, unit assured that there is no discharge of any liquid outside the factory premise.

**AND WHEREAS**, based on the recommendations of the Three Member Committee in its meeting held on 14.02.2019, CPCB issued Direction dated 08.03.2019 under Section 5 of Environment (Protection) Act, 1986, to comply with the following:

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1. The Unit shall ensure the installation and commissioning of the Condensate Polishing Unit (CPU) as well as intimate the same to CPCB by 31.03.2019, failing which the Unit will stop its production.
2. The Unit shall not discharge effluent outside the premise.
3. The Unit shall deposit an Environmental Compensation amount of Rs 21,00,000/- for the period starting from 31.12.2018, i.e., the date of completion of the stipulated 45 days of manufacturing operations as per CPCB direction dated 22.10.2018, in accordance with the Environmental Compensation policy framed in compliance with NGT order dated 31.08.2018 in O.A. No. 593/2017.

**AND WHEREAS**, Unit submitted replies dated 01.04.2019, 15.04.2019 and 17.04.2019 which were examined and following observations are made:

1. As per Unit's reply dated 01.04.2019, installation of CPU will be completed by 15.04.2019.
2. Since the commissioning of CPU was not completed within 31.03.2019, in compliance to CPCB direction dated 08.03.2019, Unit has stopped its production on 31.03.2019.
3. The Unit claimed that it is not discharging any type of effluent outside the premise and strictly adhering to CPCB norms as has been confirmed by VSI, Pune.
4. The Unit requested waiver of 21 lakhs since they are strictly maintaining ZLD condition and their bank account has been declared Non-Performing Asset, due to which no funds are available with them.
5. The Unit vide email dated 15.04.2019 and 17.04.2019, requested grant of permission to restart ethanol production due to shortage in storage space for the molasses generated in their sugar unit.

**AND WHEREAS**, CPCB issued letter dated 22.04.2019 to the Unit to comply with the following for further processing of the Unit's request to allow resumption of manufacturing operations;

1. Deposition of Environmental Compensation amount of Rs. 21,00,000/- in compliance to CPCB direction dated 08.03.2019.
2. Expedite the installation and commissioning of Condensate Polishing Unit (CPU).

**AND WHEREAS**, Member Secretary, BSPCB vide letter dated 24.04.19, requested CPCB to grant permission to the Unit to resume operations since the non-operational status of the distillery since 01.04.19, has led to storage problem of molasses in their sugar mill. BSPCB also reiterated that the installation of CPU is underway and likely to be completed soon; and that the Unit is maintaining ZLD norms.

**AND WHEREAS**, the Unit submitted reply vide email dated 25.04.2019 which was examined and following observations made:

1. The installation of CPU has been delayed due to delay at supplier end.
2. The installation of CPU will be completed by 15.05.2019.
3. The Unit requested the reduction in the Environmental Compensation amount of 21 lakhs since the Company has become Non-Performing Asset from 30.09.2019 due to continuous loss and serious financial crisis.

**(Contd..5/-)**

**AND WHEREAS**, the Three Member Committee in its meeting held on 25.04.2019, examined the Unit's replies and recommended for resumption of operations of the Unit with the following conditions:

1. The Unit will ensure installation of CPU within 60 days of receipt of revocation direction.
2. Unit shall submit performance audit report of the CPU.
3. No further request shall be made to the committee in case of failure.

**AND WHEREAS**, the unit has informed vide letter dated 30.04.2019 that payment of Rs 10,50,000/- (50%) has been made from Bank of India to Union Bank of India A/c no. 532702050000164 through RTGS having UTR no. BKIDH19120798232, and

**WHEREAS**; CPCB issued letter dated 06.05.2019 to the Unit to submit the remaining amount (i.e. Rs-10,50,000/-) to CPCB within 3 weeks from the date of issuance of the letter, and

**WHEREAS**, the unit has informed vide letter dated 22.05.2019 that payment of balanced amount of Rs 10,50,000/- (50%) has been made from Bank of India to Union Bank of India A/c no. 532702050000164 through RTGS having UTR no. BKIDH1941182747, and

**NOW THEREFORE**, in view of the above and in exercise of the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, **the unit M/s Riga Sugar Co. Ltd. (Distillery Division), Sitamarhi, Bihar, is directed to comply with the following:**

1. The Unit may resume its manufacturing operation and shall ensure installation and commissioning of Condensate Polishing Unit (CPU) within 60 days from the date of receipt of the direction, failing which the Unit shall stop its manufacturing operations.
2. No further request will be considered for extending the period of completion of CPU installation and commissioning.
3. The Unit shall submit a performance audit report duly validated by a technical institution like VSI, Pune, NSI, Kanpur and IITs within 60 days.

In case of default in compliance with the above directions by the Unit (M/s Riga Sugar Co. Ltd.), CPCB will be constrained to initiate appropriate action against the Unit, in accordance with the provisions of the Environment (Protection) Act, 1986.

  
 (S. P. SINGH PARIHAR)  
 CHAIRMAN

**Copy to:**

1. **Member Secretary**  
 Bihar State Pollution Control Board,  
 Beltron Bhawan, Shastri Nagar,  
 Patna – 800 023

: With request to ensure that the unit complies with the directions

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2. **Joint Secretary (CP Division)** : For kind information, please  
 Ministry of Environment, Forest & C.C  
 Prithvi Block, Indira Paryavaran Bhawan,  
 Jorbagh Road, New Delhi – 110 00
3. **Regional Director, East** : For ensuring compliance  
 Regional Directorate  
 Central Pollution Control Board  
 Southernd Conclave, Block 502,  
 5<sup>th</sup> & 6<sup>th</sup> Floors 1582 Rajdanga Main Road  
 Kolkata – 700 107(W.B.)
- ✓ 4. The In-charge, IT Division, CPCB : to upload the direction
5. The District Magistrate, : With request to ensure  
 Sitamarhi-Bihar compliance direction
6. Master file/Guard file, WQM II, CPCB, Delhi : For kind information, please

  
 (PRASHANT GARGAVA)  
 MEMBER SECRETARY