

Speed Post

B-190198/WQM-II(RG)/CPCB/Sugar/58/2016-17

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30.05.2019
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To,

~~M/s R.B.N.S. Sugar Mills Ltd.,
Laksar, Distt- Haridwar,
Uttarakhand-247663~~

**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 R.B.N.S. Sugar Mills Ltd., Laksar, Haridwar, Uttarakhand (hereinafter referred as 'the Unit') is involved in process of sugar manufacturing from crushing of cane; and

WHEREAS, the unit was inspected on 26.03.2018 by officials from CPCB, Delhi and following observations were made:

1. The analysis of treated effluent sample shows pH-7.31 as against norms of 5.5-9.0, BOD-07 mg/l against norms of 30 mg/l, COD- 109 mg/l against norms of 250 mg/l, TSS- 41 mg/l against norms of 30 mg/l and TDS- 2144 mg/l against norms of 2100 mg/l which indicates non-compliance w.r.t. TSS & TDS against surface water discharge norms prescribed under Environment (Protection) Rules, 1986.
2. Flow meters were installed at inlet and outlet of ETP. However, the unit has not installed flow meter at overflow of spay pond.
3. The unit has constructed a lagoon of capacity 541.44 m³ which is not sufficient for storage of treated effluent for 15 days.
4. The unit has not submitted irrigation management plan.

WHEREAS, CPCB issued Show Cause Notice dated 11.05.2018 under Section 5 of Environment (Protection) Act, 1986 to the unit; and

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AND WHEREAS, the unit's reply dated 28.05.2018 was examined and the following observations were made:

1. The unit submitted revalidated adequacy assessment reports validated by NSI, Kanpur.
2. The unit has submitted that the treatment system for spray pond overflow water will be undertaken as per the recommendation of NSI, Kanpur.
3. The excess condensate from the sugar mill is taken to the distillery unit CPU. Existing CPU capacity is 1050 m³/day that is adequate to treat the sugar mill excess condensate and distillery unit condensate.
4. The unit has also submitted analysis report of treated effluent along with the letter.
5. The unit has constructed five lagoons for ETP treated water storage.

WHEREAS, CPCB through an Expert Committee comprising of experts from National Sugar Institute (NSI), Kanpur, Vasantdada Sugar Institute (VSI), IITs and representatives from sugar mills prepared a Charter for Water Recycling and Pollution Prevention (thereafter referred to as the Charter; and

WHEREAS, a meeting of sugar mills operating in Uttarakhand, representatives of UEPPCB and CPCB was held on 19.07.2018 under Chairmanship of Cane Commissioner, Government of Uttarakhand the following decisions were made;

1. Sugar Mills shall submit an action plan to CPCB by 31.07.2018 regarding the steps taken by them pertaining to the notices issued to them. Also they shall submit action plan to implement recommendations of their adequacy assessment report.
2. All sugar mills shall ensure implementation of Charter and shall submit action plan to CPCB before commencement of crushing season.
3. All sugar mills shall ensure the upgradation of their ETP within August, 2018 so as to ensure no interruption in functioning of the ETP in the following seasons.
4. All sugar mills shall maintain a logbook on ETP operations on a daily basis.
5. ETP shall be operational at all times and all bypass arrangements should be dismantled with immediate effect.
6. MLSS in aeration tanks should be maintained at 2000-2500 mg/l.
7. All sugar units shall set up environmental laboratories for regular analysis of raw and treated effluent thereby ensuring proper functioning of the ETP.
8. All sugar mills shall employ dedicated technicians for operating and regular maintenance of ETP and shall also ensure that the technicians are given proper training on ETP maintenance and lab analysis on regular basis.
9. To ensure proper training of the environmental technicians all sugar mills shall facilitate training of 5 employees.
10. All sugar mills may establish an Environment Management Cell at their level consisting of concerned officials in order to ensure compliance with environmental standards at industry level itself.

AND WHEREAS, the unit vide letter dated 23.07.2018 submitted compliance status of the Charter; and

WHEREAS, CPCB issued direction dated 26.10.2018 under section 5 of the Environment (Protection) Act, 1986 to the Unit to comply with the following directions before commencement of crushing season 2018-2019;

1. The unit shall restrict its production capacity upto 7200 TCD subject to obtaining valid consent from UEPPCB.
2. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
3. The unit shall install sealed flow meter along with running hours meter on bore wells so as to ascertain usage of fresh water for various uses.
4. The unit shall install flow meters at major areas of cold and hot water consumption.
5. The unit shall install flow meters for measuring generation of effluent from various prominent areas.
6. The unit shall maintain logbook for individual process unit for recording daily water consumption and effluent generation also.
7. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
8. The Unit shall commission mechanical sludge handling system of adequate capacity.
9. The unit shall carry out analysis of parameters as per Environment (Protection) Rules, 1986 on daily basis and maintain logbook of the same.
10. The unit shall submit the implementation status of the Charter in the form of Affidavit and the documentary proof of the completion of the work as committed in the action plan.
11. The unit shall submit implementation status of the Charter and performance audit of ETP duly validated by reputed expert institute namely NSI Kanpur, VSI Pune, IITs during crushing season & submit the report to CPCB within 60 days of resumption period.

AND WHEREAS, the unit reply vide letter dated 09.11.2018 was examined and following observations were made;

1. The unit has implemented the recommendations of revalidated adequacy report.
2. The unit has installed sealed flow meter along with running hours' meter on bore wells so as to ascertain usage of fresh water for various uses.
3. The unit has installed flow meters at major areas of cold and hot water consumption.
4. The unit has installed flow meters for measuring generation of effluent from various prominent areas.
5. The unit is maintaining logbook for individual process unit for recording daily water consumption and effluent generation also.
6. The unit has not done colour coding of pipelines carrying recycled process water and fresh process water.
7. The unit has not installed mechanical sludge handling system of adequate capacity.
8. The unit is carrying out analysis of parameters as per Environment (Protection) Rules, 1986 on daily basis and maintaining logbook of the same.
9. The unit has submitted the implementation status of the Charter in the form of Affidavit.
10. The unit has not submitted implementation status of the Charter and performance audit of ETP duly validated by reputed expert institute.

AND WHEREAS, the unit was inspected on 26.03.2019 by team of CPCB officials and following observations are made;

1. The unit and ETP was operational during the inspection.

2. Analysis of treated effluent samples showed pH-7.36 against the norms of 5.5-8.5, BOD- 14 mg/l against the norms of 100mg/l, TSS 41mg/l against the norms of 100mg/l, COD-110 mg/l against the norms of 250mg/l and **TDS 2360 mg/l** against the norms of 2100mg/l which indicates non –compliance w.r.t TDS as per land discharge norms prescribed under Environment (Protection) Rules,1986.
3. Analysis of samples from lagoon showed **TDS- 2496mg/l** against the norms of 2100mg/l which indicates non –compliance as per land discharge norms prescribed under Environment (Protection) Rules,1986.
4. Analysis of ground water sample is found non-complying w.r.t **As-0.06 mg/l** against the norms of 0.01mg/l, **Fe 12.51 mg/l** against the norms of 0.3mg/l, **Pb-0.02mg/l** against the norms of 0.01mg/l.
5. As per analysis result of aeration tank of ETP the value of MLSS was 2783 mg/l and MLVSS 63mg/l.
6. The unit has not installed the flow meters at cold water system, i.e power turbine, Mill, fiberize bearing, pump cooling and hot water i.e wash water at centrifugal.
7. The unit has not installed the mechanical sludge handling system.
8. The unit has installed the spray pond overflow treatment process but during inspection it was found operational on trial basis.
9. The unit has done partial colour coding of pipelines.
10. The unit has not submitted Irrigation Management plan.
11. Mill has not properly maintained the logbook of the flow meters.
12. The unit has not submitted implementation status of the Charter and performance audit of ETP duly validated by reputed expert institute.

It is evident that partially treated effluent is being discharged by the Unit, posing potential threat to surface water quality.

NOW, THEREFORE, in view of the above observations and in exercise of the powers, delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, notice is hereby served to the Unit (**M/s R.B.N.S. Sugar Mills Ltd., Laksar, Haridwar, Uttarakhand**) to **Show cause, why the Unit should not be closed** down until all the necessary pollution control measure are planned and implemented so as to comply with the prescribed effluent discharge standards notified under Environment (Protection) Act, 1986 to satisfaction of CPCB.

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


03.06.2019
(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **Cane and Sugar Commissioner
Uttarakhand**
Village Hempur Ismile, Bazpur Road,
Kashipur District, Udham Singh Nagar,
Uttarakhand-244713
2. **Member Secretary**
Uttarakhand Environment Protection & Pollution
Control Board, 29/20, Nemi Road, Dehradun,
Uttarakhand-248001
3. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003
4. **Regional Directorate**
Regional Director
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010
5. In-charge, IT Division, CPCB
6. Master file/Guard file WQM II, CPCB Delhi

: With request to ensure compliance of the directions.

: For kind information, please.

: For kind information, please.

: For follow up and ensuring compliance

: with request to upload on CPCB server.


(PRASHANT GARGAVA)
MEMBER SECRETARY

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