

**Speed Post**

B-190198/WQM-II(RG)/CPCB/Sugar/58/2016-17 9135

30.07.2019

01.08

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**

**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 m<sup>3</sup> which is not sufficient for storage of treated effluent for 15 days.
4. The unit has not submitted irrigation management plan.

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

**WHEREAS**, the unit's reply dated 28.05.2018 was examined; and

**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

**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.

**AND WHEREAS**, CPCB has issued show cause notice dt. 06.06.2019 under Section 5 of the Environment (Protection) Act, 1986 to the unit as the unit failed to meet the effluent discharge norms; and

**WHEREAS**, the unit reply vide letter dated 22.06.2019 was examined and following observations are made:

1. The TDS was shown at a slightly higher side i.e. 2360mg/l against the norms of 2100mg/l. In this regard unit has enclosed sample report of NSI, Kanpur dated 07.01.2019 which shows TDS-893mg/l at ETP inlet and TDS-797mg/l at ETP outlet and unit is using 80-90% treated water in spray pond and sugar process. There is no environmental loss.
2. The unit has installed flow meters at cold water system at power turbine, Mill & Fiberizing bearing, pump cooling and wash water at centrifugal in hot water system.
3. The sugar unit is in the process of installing mechanical sludge handling system and same will be commissioned before start of cane crushing season.
4. Unit has installed spray pond overflow treatment system. During inspection it was under commission and its working was on trial basis.
5. The unit has not submitted irrigation management plan by reputed govt. institute.

**AND NOW, THEREFORE**, in view of above observations and in exercise of powers delegated to Chairman CPCB under Section 5 of the Environment (Protection) Act, 1986, the unit (M/s R.B.N.S. Sugar Mills Ltd., Laksar, Haridwar, Uttarakhand) is directed to comply with the following directions:

1. The unit shall comply with CPCB directions dated 26.10.2018 and submit compliance report within 60 days.
2. The unit shall provide photographic /documentary evidence of installation of flow meter along with log books of the same.
3. The unit shall install the mechanical sludge handling system of adequate capacity;
4. Unit shall provide photographic evidence of installation of spray pond overflow treatment system.; and
5. The unit shall provide the irrigation management plan validated by reputed govt. institute.
6. The unit shall submit treated effluent analysis report from environmental laboratory recognized under Environment (Protection) Rules, 1986 within 15 days from resumption of operation in next crushing season 2019-20.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s R.B.N.S. Sugar Mills Ltd., Laksar, Haridwar, Uttarakhand) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.

  
(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

With request to ensure compliance of the directions.

**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

: 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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