



Speed Post

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October 23rd, 2018
26

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 the process of sugar manufacturing from crushing of cane; and

WHEREAS, CPCB issued direction dated 16.06.2017 under Section 5 of Environment (Protection) Act, 1986 to the unit for carrying out ETP adequacy assessment by reputed institutions; and

WHEREAS, CPCB received adequacy assessment report vide letter dt. 24.08.2017 from the unit prepared by NSI, Kanpur; and

WHEREAS, CPCB issued directions dated 06.11.2017 under Section 5 of Environment (Protection) Act, 1986 to the unit to resume operation after obtaining valid consent and submit action plan within 15 days to implement the recommendations of the adequacy report; and

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

(Contd..2/-)

M/s R.B.N.S. Sugar Mills Ltd., Laksar, Haridwar, Uttarakhand

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. The unit does not have separate provision for treatment of effluent from spray pond overflow. Effluent from spray pond overflow is treated in ETP.
3. Flow meters were installed at inlet and outlet of ETP. However, the unit has not installed flow meter at overflow of spay pond.
4. The unit has constructed a lagoon of capacity 541.44 m³ which is not sufficient for storage of treated effluent for 15 days.
5. The unit has not installed Condensate Polishing Unit (CPU).
6. The unit has not submitted irrigation management plan.
7. The unit has not submitted analysis result of the treated effluent through Environment (Protection) Act, 1986 recognised laboratory.
8. The unit has not submitted revalidated ETP adequacy assessment report within 45 days from the date of resumption of operation to CPCB.

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

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

1. The unit has submitted that the treatment system for spray pond overflow water will be undertaken as per the recommendation of NSI, Kanpur.
2. 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.
3. The unit has also submitted analysis report of treated effluent along with the letter.
4. The unit has constructed five lagoons for ETP treated water storage having capacities of 625 m³, 493 m³, 686 m³ and 2 lagoons having capacity of 691 m³ i.e total capacity of 2495 m³.

AND WHEREAS, the unit submitted the revalidated adequacy assessment reports validated by NSI, Kanpur vide letter dt. 28.05.2018; and as per the report following recommendations have been made by NSI, Kanpur:

1. Flow meters to be installed at major unit operations to ascertain and control hot and cold water requirement.
2. Flow meter to be provided at spray pond overflow/ cooling tower and effluent generation from other sources.
3. Factory may undertake rain water harvesting system to reduce fresh water consumption.

(Contd..3/-)

4. The unit may resort to dry cleaning of floors etc. instead of wet cleaning.
5. The unit should ensure single point discharge.
6. Aeration in equalization tank may be made more effective by providing diffuser/jet type aeration system.
7. Sulphate removal system should be installed before tertiary treatment but should be installed after MGF.
8. Oil & Grease trapping may be made more effective by providing two stage skimmer one at the mill outlet and other before oil and grease trap at ETP.
9. Carbon filter of adequate capacity may be provided.
10. The unit has adequate treatment facility for 7200 TCD and effluent generation is estimated as 185 litres/tonne of cane crushed.

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 are 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.

(Contd..4/-)

AND WHEREAS, CPCB received compliance status of the Charter from the unit on 23rd July, 2018, which was examined and following observations were made:

1. The unit is in the process of installing necessary flow meters at requisite points as prescribed under the Charter and has assured completion of the same by September, 2018.
2. The unit has submitted action plan/ compliance report on upgradation of ETP.
3. The unit is carrying out hydro-jet along with mechanical cleaning of heat exchanger unit.
4. The unit has already set up environmental laboratory with dedicated technical staff.
5. The unit has planned to arrange training for its technical staff on ETP Operation and Maintenance.
6. The unit has submitted compliance report on BMT for Water Recycling and Pollution Prevention.
7. The unit has installed activated carbon filter of adequate capacity.

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 R.B.N.S. Sugar Mills Ltd., Laksar, Haridwar, Uttarakhand) is directed 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.

(Contd..5/-)

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

25.10.18

Copy to:

1. **Cane and Sugar Commissioner (Uttarakhand)**
Village Hempur Ismile
Bazpur Road, Kashipur,
Udham Singh Nagar-244713
With request to ensure compliance of the directions.
2. **Chairman**
Uttarakhand Environment Protection and Pollution
Control Board, 29/20, Nemi Road, Dalanwala,
Dehradun (U.K)
With request to ensure compliance of the directions.
3. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003
: For kind information, please.
4. **Regional Director**
Regional Directorate
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**

(Prashant Gargava)

MEMBER SECRETARY