



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA
Speed Post

B-190197/WQM-II(RG)/CPCB/Sugar/60/2016-17 12299

26th October, 2018
5th Nov., 2018

To,

M/s Rana Sugars Ltd.
Karimganj, Shahbad,
Rampur, U.P.-244901

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 Rana Sugars Ltd., Karimganj, Shahbad, Rampur, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, CPCB issued direction dated 15.06.2017 to the Unit under section 5 of Environment Protection Act, 1986 to for carrying out adequacy assessment through reputed technical institutes; and

WHEREAS, CPCB received adequacy assessment report vide letter dated 13.10.2017 from the Unit prepared by VSI, Kanpur; and

WHEREAS, CPCB issued direction dated 06.11.2017 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.

(Contd..2/-)

2. The Unit shall submit action plan within 15 days to implement the recommendations (including general observation) of adequacy report within 45 days.
3. The Unit shall install & Commission ETP system upto 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.
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 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.
9. The analysis result of the treated effluent shall also be submitted within 45 days through EPA recognised laboratories.
10. 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.

WHEREAS, the unit (M/s Rana Sugars Ltd., Karimganj, Shahbad, Rampur, U.P.) was inspected on 07.03.2018 by officials from CPCB, and following observations are made;

1. The unit was in operation. However, ETP was non-operational at the time of inspection.
2. The unit was operational without valid consent to operate. The unit has valid consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 upto 31.12.2018.
3. The Unit has applied for NOC to Central Ground Water Authorisation (CGWA) for extraction of ground water.
4. Effluent Treatment Plant (ETP) comprised of Oil & Grease trap, Equalization Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier, Sand Filter & Activated Carbon Filter and Sludge Drying Bed. However, belt was not found on Oil Skimmer to remove oil and grease from effluent.
5. The analysis of treated effluent sample shows pH-7.59 as against norms of 5.5-9.0, **BOD-50 mg/l** against norms of 30 mg/l, COD-148 mg/l against norms of 250 mg/l and TDS-26.9 mg/l against norms of 2100 mg/l which indicates non-compliance w.r.t. BOD with the effluent surface discharge norms prescribed under Environment (Protection) Rules, 1986.
6. MLSS in aeration tank was 3572 mg/l.
7. The Unit does not have provision for treatment of spray pond overflow.

(Contd..3/-)

8. The Unit has installed flow meters at both borewells. However, it has not installed flow meters and 'V' notch at inlet of ETP.
9. The Unit has constructed an impermeable lagoon with capacity of 2552 m³.
10. The Unit has not submitted irrigation management plan.
11. 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 07.05.2018 under Section 5 of the Environment (Protection) Act, 1986; and

WHEREAS, the unit replied vide letter dated 22.05.2018 and following observations were made;

1. The unit has applied for NOC to CGWA.
2. The unit has constructed an impermeable lagoon of 13219 m³.
3. The unit is treating its spray pond over flow in ETP.
4. The unit has installed flow meters at ETP inlet, ETP outlet, spray outlet, tube wells and at surplus condensate.

AND WHEREAS, the unit submitted the revalidated adequacy assessment reports and irrigation management plan validated by NSI, Kanpur vide letter dt. 19.07.2018 and as per the report following observations were made;

1. The unit has installed a new screen chamber as per the recommendations of NSI.
2. The unit has installed flow meters at tube well, spray pond over flow, excess condensate generation ETP inlet and outlet.
3. The unit has installed flow meter to measure excess condensate generation from the process. This condensate is cooled in cooling tower and then taken to ground water reservoir.
4. All civil and electromechanical modifications except chlorination have been completed.
5. The treated effluent was found complying with the discharge norms.
6. The unit has constructed lagoon of 13219 m³ capacity, to store the treated effluent for 15 days.
7. The unit has constructed well equipped laboratory with trained staff near the ETP.
8. The unit is having valid water and air consent.
9. The unit is having adequate treatment capacity for installed capacity of 5000 TCD at effluent generation is estimated as 193 lit/tonns 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 Uttar Pradesh, representatives of UPPCB and CPCB was held on 06.07.2018 under Chairmanship of Principal Secretary, Sugar Industries and Sugarcane Development, Government of Uttar Pradesh and the following decisions are made ;

1. Sugar Mills shall submit an action plan to CPCB by 20.07.2018 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.

(Contd..4/-)

2. All sugar mills shall ensure implementation of Charter and shall submit action plan to CPCB by 20.08.2018.
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 30.07.2018 submitted their compliance status of the Charter, which was examined and following observations were made:

1. The unit is using its ETP treated water in irrigation.
2. The unit is utilising its ash in low land filling and bio-composting.
3. The unit is under the process of installation of CPU.
4. The unit is under the process of installation of sulphate removal system.
5. The unit has installed 01 tank for collection of used chemical in the cleaning, it is then again used for next body under cleaning and lastly it is gradually drained out in main ETP.
6. The unit has placed order for OEMS and will be installed by 30.9.2018.
7. The unit has not installed flow meters at the outlet of mill house, boiling house and steam generation house.

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 Rana Sugars Ltd., Karimganj, Shahbad, Rampur, U.P.) is directed to comply with the following directions before commencement of crushing season 2018-2019;

1. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
2. 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.
3. The unit shall install flow meters at major areas of cold and hot water consumption.
4. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
5. The unit shall install flow meters for measuring generation of effluent from various prominent areas.

(Contd..5/-)

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 analysis of effluent discharge parameters notified under Environment (Protection) Rules, 1986 and log book shall be maintained on daily basis.
8. The unit shall commission mechanical sludge handling system of adequate capacity.
9. 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.
10. The unit shall submit implementation status of the Charter and performance audit of ETP including actual assessment of water consumption & effluent generation 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.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s Rana Sugars Ltd., Karimganj, Shahbad, Rampur, U.P.) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.


01/11/18
(S. P SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **Principal Secretary (Sugar)**
Sugar Industry and Cane Development
Department,
"G" Block 2/3, Mantri Wing, 4th Floor
Bapu Bhawan, Vidhan Sabha Marg
Lucknow- 226 001
With request to ensure compliance of
the directions.
2. **Chairperson**
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow – 226 010
: 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. **District Magistrate**
Rampur, U.P.
: For kind information, please.

(Contd..6/-)

5. Regional Directorate

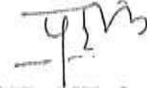
Regional Director

Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010

:For follow up and ensuring
compliance

✓ 6. In-charge, IT Division, CPCB

7. Master file/Guard file WQM II, CPCB Delhi



(PRASHANT GARGAVA)
MEMBER SECRETARY