



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD

By Speed Post पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

June 16, 2021

CP-11/7/2021-IPC-III-HO-CPCB-HO

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To,

M/s. Sahakar Maharshi Shankarrao Kolhe
Sahakari Sakhar Karkhana Ltd
(Formerly Sanjivani Sahakari Sakhar Karkhana Ltd),
20/1, 21, 20/2, Sahajananad nagar,
Ta- Kopargaon, Dist, Ahmednagar,
Maharashtra- 423601

DIRECION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986

WHEREAS, Sugar industries are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

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 there under and also to meet the consent conditions granted by State Pollution Control Board (SPCBs) / Pollution Control Committees (PCCs); and

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, a direction under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was issued on February 05, 2014 to all the State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs) for installation of online emission monitoring system w.r.t. Particulate Matter parameter & online effluent monitoring system w.r.t. pH, BOD, COD, TSS, Flow parameters in 17 categories of industries including Sugar; and

WHEREAS, the inspection of the M/s Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd (Formerly Sanjivani Sahakari Sakhar Karkhana Ltd), 20/1, 21, 20/2, Sahajananad nagar, Ta- Kopargaon, Dist, Ahmednagar, Maharashtra (hereafter referred as "The Unit") was carried out on 17.02.2021 by the team of CPCB, as surprise

inspections of about 50 randomly selected industries among 17 categories of highly polluting industries, as a special drive. Following major observations were made during the visit:

1. The unit was operational at the time of visit with consented production capacity of 4500TCD.
2. The unit was having valid Consent to Operate under Air and Water act and Authorization under HW rules valid till 31.07.2023.
3. The unit has provided a common ETP for the sugar unit and other chemical plants. It was observed by the inspecting team that the sewage generated in the industry is mixed with ETP at the intermediate stages. It is also found that the scum is accumulated at the various units of the ETP which needs to be removed from the surface. The inspection team also found that the secondary sludge was emptied within the premises. The unit has provided eight sludge drying beds near the secondary clarifier but condition of beds were poor and some quantity of sludge was spilled outside of the beds & behind the aeration tank. The sludge pump was not functioning properly. It was also observed that some of the components of ETP like primary and secondary clarifier were not functioning properly as less overflow of water was observed at the time of visit.
4. The press mud and clarifier aerobic sludge along with spent wash was being used for making compost and the compost is further used in its own field and contract fields.
5. It was informed to the inspection team that the wet scrubber sludge (generated from APCS attached to Boiler where fuel is bagasse) is used by local brick manufacture as fuel and scrubber water is again recycled in process.
6. It was found that all the bagasse was stored in open area due to which fugitive emission of fine fibers in high wind condition cannot be ruled out.
7. The inspection team has found that analyzers /sensors were installed in a drum where effluent is fed through a small dia (1") pipeline. It was informed to the inspection team that the portion of small dia pipeline is kept underground for some distance where the same pipe is connected to other pipeline used for discharge of final treated effluent for ferti irrigation and the small dia pipeline comes above ground near the drum. However, the team could not ascertain the source of effluent through the small dia (1") pipeline into the drum whether it is from pipeline used for discharge of final treated effluent or any other pipeline because the said source connection was not visible being underground. The effluent quality was visibly very clear compared to the final treated effluent being discharged for fert irrigation which indicates the possibility of freshwater mixing in the final effluent.
8. The OCEMS data was not being transferred to the server of the service provider and MPCB due to modem issues faced by the industry.
9. There was no proper sampling arrangement for taking samples of the final outlet of ETP. As the sample could not be collected from ETP premises, the inspection team has collected the samples from the farm where the treated effluent was being used for ferti irrigation on its own farm/land for the cultivation of sugarcane. The lab analysis report of the collected sample is tabulated below:

Parameters	pH	TSS	BOD	COD
Analysis result	4.80	33	358	1038
Limit prescribed by MPCB	5.5 - 9.0	100	100	250

*All values are in mg/l except pH.

It is evident from the High values of pH, BOD & COD that the unit is using the untreated/raw effluent for irrigation.

10. The unit had installed only one flow meter at the final treated effluent conveyance pipeline.
11. The unit has not provided any storage pond for storing the treated effluent for 15 days during no demand period.
12. The unit has not maintained ETP logbook to record the ETP operational parameters and has not provided separate energy meter for ETP.

WHEREAS, the unit was found non-complying with the prescribed effluent discharge standards w.r.t. pH, BOD and COD along with other shortcomings; and

NOW THEREFORE, in view of the above, and exercising the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, notice is served herewith to show cause why M/s Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd (Formerly Sanjivani Sahakari Sakhar Karkhana Ltd), 20/1, 21, 20/2, Sahajananadnagar, Ta- Kopargaon, DistAhmednagar, Maharashtra should not be closed down until all the necessary pollution control measures are planned and implemented so as to comply with the prescribed effluent discharge standards and terms and conditions of the consent order including directions as given below:

- i. The unit should immediately discontinue discharge of effluent not conforming to the notified standards to the ground/irrigation.
- ii. The unit should install the flow meter at all the water abstraction points and maintain a logbook of the same.
- iii. The unit should carry out adequacy assessment report of its ETP through reputed Government institutes such as IIT/NEERI/VSI & accordingly augment the ETP provided so as to achieve the prescribed discharge standards.
- iv. The unit should provide proper designated storage shed for bagasse generated in the unit.
- v. The unit should maintain proper logbook of ETP sludge, Fly Ash and Press mud.
- vi. The unit should maintain the record of operation and maintenance of ETP w.r.t. effluent treated and energy & chemical consumed.
- vii. The unit should immediately remove all the unwanted as well as flexible pipeline arrangement in the ETP and replace it with fixed pipelines. The unit should also remove the underground pipeline carrying treated water to the tank designated for placing of online sensors and place the pipeline in open in order to make it clearly visible for checking any mixing of water.
- viii. The unit should ensure proper O & M of the ETP to achieve optimum performance and continuous compliance of prescribed norms.
- ix. The unit shall install Proper display board at entry gate indicating status of Consent under Air and Water act, Authorization under HW rules, Status of ETP, Status of OCEMS devices, production capacity, type and quantity of waste generated etc.
- x. Unit shall ensure periodic calibration of the analyzers as per Standard Operating Procedure/recommendations of the supplier and submit the calibration results.
- xi. The unit shall ensure proper connectivity and transfer of OCEMS data with CPCB and MPCB server.
- xii. The unit shall prepare and submit a comprehensive irrigation management plan for utilization of treated effluent from ETP in accordance with the notified treated irrigation protocol for Sugar industries and ensure compliance of treated effluent loading rate for irrigation.

- xiii. The unit shall report to CPCB regarding closure of manufacturing operations in compliance of the direction immediately on receipt of this direction.
- xiv. The unit shall seek permission from CPCB before resumption of the manufacturing operations.

The unit is hereby given an opportunity to file your objections (if any) to the above proposed directions and submit a time bound action plan for compliance of above within 30 days of receipt of this notice, failing which it will be presumed that you have nothing to say and appropriate action will be taken, in accordance with the provisions of the Environment (Protection) Act, 1986, without giving any further notice.


(Naresh Pal Gangwar)
CHAIRMAN

Copy to:

- 1) **The Member Secretary,**
Maharashtra Pollution Control Board
2nd, 3rd & 4th Floor,
Opp. Cine Planet, Near Sion Circle,
Sion (E), Mumbai- 400022 : For ensuring compliance of directions please.
- 2) **The Regional Director,**
Regional Directorate
Central Pollution Control Board,
ROW House No. 1, Sanjivani Nisarg
Balewadi Pune - 411045 : For follow up and ensuring compliance of the direction.
- 3) **The Director, (CP Division),**
Ministry of Environment, Forests & CC,
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003 : For information, pl.
- ✓ 4) The Div. Head, IT Division, CPCB Delhi : To upload direction at CPCB Website, pl.
- 5) The Div. Head, IPC-VI, Division, CPCB Delhi : For information, pl.
- 6) The Div. Head, IPC-III Division, CPCB Delhi : For records purpose.


(Prashant Gargava)
MEMBER SECRETARY