



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

By Speed Post

CP-11/3/2021-IPC-III-HO-CPCB-HO/ 2360

June 16, 2021

To,

M/s Karmaveer Shankarrao Kale  
Sahakari Sakhar Karkhana Ltd,  
109/2, At Gautamnagar, Post- Kolpewadi,  
Ta- Kopargaon, Dist- Ahmednagar,  
Maharashtra - 423602

**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 Karmaveer Shankarrao Kale Sahakari Sakhar Karkhana Ltd, 109/2, At Gautamnagar, Post- Kolpewadi, Ta- Kopargaon, Dist- Ahmednagar, Maharashtra - 423602 (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

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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 4000TCD.
2. The unit was having valid Consent to Operate under Air and Water act and Authorization under HW rules valid till 31.07.2021.
3. The log book of ETP operation w.r.t. chemical consumption, energy consumption, daily quantity of treated water used in various activities, daily pump operation, manpower deployed etc. was not being maintained/updated properly by the unit.
4. It is found by the inspection team that the sewage generated in the industry is mixed at the Final treated effluent storage tank in ETP.
5. The scum is found to be accumulated at the surface of various units of the ETP which needs to be removed.
6. 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 recycled in process.
7. It was found by the inspection team 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.
8. The inspection team has found that analyzers /sensors were installed in a tank where effluent is fed through a small dia (1") pipeline from tertiary treatment to final treated storage effluent tank and Small dia (1") pipeline is laid underground. The effluent quality feeding to the tank where sensors were installed 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.
9. The samples were collected, from Final Outlet of ETP pumping for fert irrigation to farms of industry and also from Tank having sensors in the ETP premises, as per provisions in Section-II, E (P) Act 1986, in presence of industry representatives.

The lab analysis report of the collected sample is tabulated below:

Parameters	pH	TSS	TDS	COD	BOD	Chloride	Sulphate	O&G
Final Outlet of ETP (Treated effluent used for Ferti-irrigation)	5.83	122	1086	1075	336	247	60	2.3
Tank having sensors	7.14	18	773	91	13	119	52	--
Limit prescribed by MPCB	5.5 - 9.0	100	2100	250	100	600	1000	10

\*All values are in mg/l except pH

The lab analysis result clearly indicates that untreated water is being discharged on land for irrigation. The analysis results of water sample collected from tank in which the sensors are installed are found within the prescribed limit which indicates the tampering of OCEMS or mixing of freshwater in the tank.

10. The pH electrode and other sensors were not found in good condition as a lot of algae deposition was found on the sensors.
11. The OCEMS data was being transferred to the SPCB and CPCB server at the time of inspection.
12. The unit had installed only one flow meter at the final treated effluent conveyance pipeline.

**WHEREAS, the unit was found non-complying with the prescribed effluent discharge standards w.r.t. TSS, 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 Karmaveer Shankarrao Kale Sahakari Sakhar Karkhana Ltd, 109/2, At Gautamnagar, Post- Kolpewadi, Ta- Kopargaon, Dist- Ahmednagar, Maharashtra - 423602** 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 fresh water.
- viii. The unit should ensure proper O & M of the ETP to achieve optimum performance and continuous compliance of prescribed norms.
- ix. Unit shall ensure periodic calibration of the analyzers as per Standard Operating Procedure/recommendations of the supplier and submit the calibration results.
- x. The unit shall ensure proper connectivity and transfer of OCEMS data with CPCB and MPCB server.
- xi. 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.
- xii. The unit shall report to CPCB regarding closure of manufacturing operations in compliance of the direction immediately on receipt of this direction.

- xiii. 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