

Speed Post

F.No. B-92(S)/IPC-III/2019-20/172

May 04, 2020

To,

M/s Dharashiv Sakhar Karhana Limited,
Vill. Chorakhali, Tal. Kallam.
Dist. -Osmanabad,
Maharashtra

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

WHEREAS, the inspection of the M/s Dharashiv Sakhar Karhana Limited, Vill. Chorakhali, Tal. Kallam. Dist. -Osmanabad, Maharashtra (unit) was carried out on 27.02.2020 by the team from Regional Directorate (West), CPCB, Vadodara under the OCEMS Surveillance programme based on SMS Alert/Offline status of the online Monitoring System. Following major observations were made during the visit:

1. The unit is a 'Sugar Mill' having installed capacity of 2100 MT/M. Unit was found operational on the day of inspection.
2. ETP (105 KLDP) was in operation during visit. The unit has provided ETP comprised of following: Effluent Collection Chamber → O&G Chamber and grit removal manually → Equalization Tank → Balance Tank (pH adjustment) → Primary clarifier → Aeration Tank (Diffused aeration) → Secondary Clarifier → Treated effluent holding sump → dual media filter (as informed) → Holding Tank (OCEMS installed) → Irrigation/road spray for dust consolidation.

3. During inspection, the team has collected samples from treated effluent holding tank and analysis results are presented below:

Locations	Parameters						
	pH	TSS	TDS	COD	BOD	O&G	Chloride
Equalization tank inlet	3.93	118	12021	19588	13387	-	218
Return water from sludge line from sec. clarifier to aeration tank	7.67	50	1981	238	113	-	-
Treated effluent holding tank	6.90	37	4730	212	61.3	19	143
MPCB norms for outlet	5.5-9	100	2100	250	100	10	600

All values are in mg/l except pH

4. As per the analysis results of treated effluent holding tank (where OCEMS is installed), the industry is observed compliant with the prescribed standards except TDS & O&G.
5. During visit, there was no MLSS in aeration tank.
6. Primary clarifier is a tank (looking like a submerged tube settler) without sludge removal mechanism or other sludge settling arrangement.
7. Secondary clarifier was apparently not working regularly as effluent was having algal growth in weir/effluent trough and clarification zone water surface.
8. Wastewater was observed flowing in an earthen lagoon along wall of sludge drying bed to an earthen lagoon.
9. There were several flexible pipes in ETP area as well as in press mud & fly ash storage area. Apparently the untreated wastewater was sprayed on fly ash and press mud with the help of these pipes.
10. Wastewater was observed dumped/disposed within premises at several locations like area near spray pond, area behind Boiler stack, Area between ETP and Molasses Tank, etc. Few of the open discharge on land are not natural low lying area rather constructed earthen pit, it may be a planned discharge in earthen pit.
11. The area around spray pond was contaminated and effluents were dumped/disposed on land.
- 12. The analysis results of accumulated water in the earthen lagoon sample shows that untreated effluent is bypassed to the earthen lagoon and has potential for impact on ground water groundwater (COD: 2740 mg/l & BOD: 2305 mg/l).**
13. The unit has not provided flow meter at required locations to ensure compliance with GSR 35 (E) dated 14.01.2016 for the water use efficiency.
14. The unit has not prepared irrigation management plan based on soil quality of the area.
15. The unit is presently having two molasses tank in use. The garland drain around one molasses tank, its collection and diversion to ETP is not established.
16. Flow meter is required to be installed in all water abstraction points to ensure better water use and effluent generation control. However, the unit has not installed flow meter for the major water use location or major condensate generation location.

17. The unit has not devised treated effluent usage protocol or irrigation management plan.
18. There was no flow records in the unit to ensure that all effluents from sugar plant is collected in ETP. Therefore, the quantity of effluent generated and treated cannot be ensured.
19. The unit was appeared to have several unwanted earthen effluent channels leading to earthen lagoon/ ponds.
20. The unit has not installed display board containing details of CC&A.
21. The unit has installed two boilers with 20 TPH and 30 TPH capacities.
22. The stack monitoring results reveals that the unit is non-compliant with respect to particulate matter emission from the stack of bagasse fired boilers (PM- 2140 mg/Nm³ against 150mg/Nm³).
23. There was no arrangement for spent water filtration/settling of fly ash for water used in wet scrubbers.
24. There is no management plan for press mud. As informed, it is by and large disposed to the agricultural field as compost.
25. Large amount of fly ash was observed openly stored. Heaps of bagasse and fly ash observed within the premise which contributes to fugitive emissions.
26. Environment Management Cell was not observed in the unit and the environmental aspect is dealt by the Chief Chemist.

WHEREAS, the observations as listed above substantiate that the unit is a serious defaulter as it was discharging untreated effluent to the environment and has been seriously violating the norms prescribed for on land discharge and emission from boiler stack and thus poses serious threat to the environment & ground/ surface water quality; and

WHEREAS, as per the sub rule (5) of the Rule 4 of the Environment (Protection) Rules, 1986, it is not expedient to provide opportunity to file objection against the proposed direction in view of the likelihood of a grave injury to the environment and CPCB considers that the act of the unit, as described in above paragraphs, causes grave injury to the environment.

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, **M/s Dharashiv Sakhar Karhana Limited, Vill. Chorakhali, Tal. Kallam. Dist. -Osmanabad, Maharashtra** is hereby directed to **"immediately close down all its manufacturing operations and not to restart manufacturing"** till it complies with the following directions:

1. The unit should immediately discontinue discharge of effluent not conforming to the notified standards to the ground/irrigation.
2. The unit shall dismantle earthen pits/ earthen ponds/earthen lagoons and immediately stop discharge of effluents in earthen lagoons and take back the accumulated effluents in ETP for treatment before application on land for controlled irrigation to avoid ground water contamination.
3. The unit should ensure proper operation & maintenance of the ETP so as to achieve

- the prescribed norms & submit ETP sample analysis report from EPA approved lab.
4. Unit shall carry out required augmentation/maintenance of the APCD attached to boiler stack so as to achieve the prescribed emission standards for P.M.
 5. The unit shall install flow meter at all water abstraction points for measuring water consumption & maintain log book for the same.
 6. The unit shall maintain the record of operation & maintenance of ETP w.r.t. effluent treated, energy & chemical consumption.
 7. The unit shall prepare and submit a comprehensive irrigation management plan for utilisation 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.
 8. The unit shall ensure periodic calibration of the analyzers as per Standard Operating Procedure/recommendations of the supplier and submit the calibration results.
 9. The unit shall provide proper display board at entrance of the factory displaying details about hazardous waste generated, quantity and nature of hazardous chemicals being used, water and air emissions and solid waste generated in the plant.
 10. The unit shall carry out adequacy assessment of ETP through reputed Government institutes such as IIT/NEERI/VSI/NSI & accordingly augment the ETP provided so as to achieve the prescribed discharge standards of MPCB and submit the report to CPCB.
 11. The unit shall operate the Air Pollution Control Devices of boiler properly to achieve the emission standards for particulate matter in stack.
 12. Unit shall ensure to engage skilled manpower for operation & maintenance of ETP.
 13. Proper colour coding of pipelines to demarcate recycled water lines shall be provided.
 14. Improve housekeeping within the plant and dispose stored fly ash & press mud for reutilization.
 15. The unit shall report to CPCB regarding closure of manufacturing operations in compliance of the direction immediately on receipt of this direction.
 16. The unit shall seek permission from CPCB before resumption of the manufacturing operations.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit, in accordance with the provisions of the Environment (Protection) Act, 1986, without giving any further notice.


(RAVI S. PRASAD)
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,
compliance of directions please.*

2) **The Regional Director,**
CPCB Regional Directorate,
Parivesh Bhawan,
Opp. Ward No. 10 VMC Office Subhanpura,
Vadodara-390 023

: For follow up and ensuring
compliance of the directions please

3) **The District Magistrate,**
Collectorate office, Dist- Osmanabad,
Maharashtra

:For information and n.a please

4) **The Superintendent Engineer,**
Maharashtra State Electricity Distribution,
Beed -Solapur Road, Nehru Chowk,
Osmanabad, **Maharashtra - 413501**

: With a direction to disconnect
the power supply to the
industrial unit.

5) **The In-charge, (CP Division),**
Ministry of Environment, Forests & CC,
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003

:For information, pl.

✓ 6) The Div. Head, IT Division, CPCB Delhi

7) The Div. Head, IPC-VI, Division, CPCB Delhi

8) The Div. Head, IPC-III Division, CPCB Delhi


(Prashant Gargava)
MEMBER SECRETARY