



CP-11/108/2021-IPC-III-HO-CPCB-HO/ 2416

July 06, 2022

To,

M/s Mahak Synthetics Mills Pvt. Ltd.,  
Plot No. - 140/1, Piplej Pirana Road,  
Piplej, GIDC - Narol,  
Ahmedabad - 382405

**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, Forest, & Climate Change, 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 & other standards and norms; 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**, an application was filed in Hon'ble NGT Principal Bench by Sh. Aditya Singh Chauhan regarding use of pet coke and ceramic tiles dust for heating of the boilers by the textile industries at Ahmedabad and Narol in Gujarat and Pali in Rajasthan. Further, it was also complained that hot boiler waste is improperly discharged on barren land leading to heaps of mounds of ash, which in turn generate air pollution; and

**WHEREAS**, Hon'ble NGT (PB) in OA no. 233 of 2021, Aditya Singh Chauhan Vs Central Pollution Control Board & Ors. vide order dated 25.11.2021 directed that the applicant should raise the issue first before the CPCB so that CPCB may, in coordination with the State PCBs and after interaction with the stakeholders, take a call in the matter; and

**WHEREAS**, a meeting was held on 21.01.2022, through Video Conferencing between Head Office, CPCB, Regional Directorate, Vadodara, CPCB, Regional Office, Ahmedabad (east), GPCB, and the applicant. It was decided in the meeting that a joint inspection will be carried out by CPCB, GPCB and the applicant to address the issue raised by the applicant; and

**WHEREAS**, M/s Mahak Synthetics Mills Pvt. Ltd., plot No. - 140/1, Piplej Pirana Road, Piplej, GIDC - Narol, Ahmedabad - 382405 was inspected by the joint team of CPCB and GPCB on 02/03/2022 and following observations were made by the inspection team:

1. The Unit was found operational on the day of visit and the unit has Consolidated Consent & Authorization issued by GPCB for the manufacturing of dyes printed clothes of capacity 3,00,000 meter/month with validity up to 31/03/2024.
2. The unit is storing the coal used for boiler in open near boiler area.
3. The unit has installed floating bed boiler and refractory aggregates were used as bed material in boiler to support fluidization of bed.
4. Closed belt conveyer system is provided for conveyance of coal and bucket elevator, however no measures were taken to control fugitive emission from the coal crusher and transfer point junctions.
5. It was also observed that the fly ash from APCD and bottom ash from the Boiler was stored in open in the boiler area.
6. The unit is handing over the fly ash and bottom ash to a vendor named Jalil Ahmed, for further disposal to Brick kilns. The unit has not provided the MoU or letter of agreement with the company however submitted the receipt of fly ash sold after two days of the visit
7. The unit is not maintaining the record of actual quantity of the fly ash generated and disposed.
8. The unit is not maintaining the daily coal consumption records.
9. The unit has two bore wells in the premises. However, the unit is not maintaining the logbook of quantity of ground water drawn from the bore wells. However, 600 KLD of water is being extracted from the borewell is used in production process, which is exceeding the quantity of fresh water consumption i.e. 150 KLD as prescribed in the CC&A.
10. The ETP is comprising of Oil & Grease chamber → Collection tank (Spent Aluminum chloride, lime and FeSO<sub>4</sub> dosing) → Flash mixer (without any dosing) → Primary Settling tank → Aeration tank (3 nos.) → Secondary Settling tank → collection tank → Sand & Carbon filter → Treated effluent collection tank → Discharge. Sludge from primary clarifiers and secondary clarifiers are stored in common sludge pump followed by filter press (2 Nos). The ETP is apparently developed in retrofitting mode, as the units of ETP are not systematically placed.
11. The Chemical dosing in the ETP is done in Unscientific manner and Launder of secondary clarifier was reported as uneven with short-circuiting of flow.
12. It was reported that, as per the CC&A; The treated effluent of the unit shall be conveyed to ATPA pipeline for final disposal in River Sabarmati after mixing with treated sewage of Pirana STP. However, the treated effluent is being disposed in closed pipeline leading to common sump of CETP of Narol Textile Infrastructure & Enviro Management (NITEM) at Gyspur and the effluent is further treated in CETP before disposal at River Sabarmati.
13. The industry is not maintaining the log book records of raw effluent generated and treated effluent discharged.
14. It was also reported that, there is a huge discrepancy in the quantity of treated wastewater disposed to CETP, as per records provided by the unit and records provided by the CETP. Considering the data provided by unit as well as by CETP, it can be inferred that the quantity of the effluent generated is much more than the consented quantity of 120 KLD.
15. The industry is procuring and utilizing spent Aluminium chloride solution in ETP without obtaining required authorization under Rule-9 from GPCB.
16. The inspection team has performed stack monitoring of Steam Boiler and Thermic Fluid Heater and the analysis results are tabulated below:

Source of Sampling	Fuel consumption	Emission Control System Provided	Remarks
Steam Boiler (6.0 TPH)	Reportedly 8 MT of imported Coal, is used in a day	APH, Multi cyclone separators and electrostatic precipitator	Stack of 30 meter height Monitoring platform provided is too small of the size 3.5 ft. X 3 ft. and was rusted and hence monitoring was not carried out.

Unit has does not have thermic fluid heater as it is not required and hence only steam boiler is installed.

17. The inspection team has also collected the sample from final treated effluent of the ETP and analysis results are tabulated below:

S.No.	Parameters	Concentration of Treated effluent	Norms as per existing CC&A	Inlet Standards of CETP of NITEM
1.	pH	7.87	6.5 to 8.5	6.5 to 8.5
2.	Colour	455	100	100
3.	TSS	516	100	300
4.	COD	1348	100	1200
5.	BOD	690	30	500
6.	TDS	6027	2100	
7.	FDS	5691	.....	-
8.	NH <sub>3</sub> N	28.5	50	50
9.	Phenol	6.33	1	01
10.	O & G	13.4	10	10
11.	Chloride	597	600	600
12.	Sulphide	43	2	

13.	Sulphate	1912	1000	-
14.	Hexavalent Chromium	BDL	0.1	
15.	Total Chromium	0.058	2	

It is evident from the analysis result that the unit was non-complying w.r.t. Concentration values of colour, TSS, COD, BOD, TDS, phenol, O&G, sulphide and sulphate as per CC&A issued by GPCB.

**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 Mahak Synthetics Mills Pvt. Ltd., plot No. - 140/1, Piplej Pirana Road, Piplej, GIDC - Narol, Ahmedabad - 382405** 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 shall report to CPCB and GPCB regarding closure of manufacturing operations in compliance of this direction immediately, on receipt of this direction.
2. The unit should carry out adequacy assessment of the ETP & APC through reputed government institutes such as IIT /NEERI /VSI/NSI & accordingly augment the ETP provided so as to achieve the prescribed discharge standards of GPCB and submit the complete report to CPCB.
3. The unit shall ensure required pollution control measures in coal handling area & coal transfer points for fugitive emission.
4. The unit should maintain the record of actual quantity of the fly ash generated and disposed along with record of daily coal consumption.
5. The unit should immediately get its CC&A amended from GPCB regarding discharge of effluent into CETP.
6. The unit shall restrict quantity of effluent discharge as per consent order and submit explanation and Action taken Report for observed exceedence.
7. The unit shall immediately stop procurement and utilization of spent Aluminium chloride solution in ETP and obtain required authorization under Rule-9 of Hazardous and Other Waste Rules 2016 from GPCB.
8. The unit shall ensure proper O&M of ETP and deploy skilled man power for operation and maintenance of ETP.
9. The unit should improve the housekeeping within the premises.
10. The unit shall seek permission from CPCB before resumption of the manufacturing operations.

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

MTC 6/7/22  
(TANMAY KUMAR)  
CHAIRMAN

Copy to:

1. **The Member Secretary** : To ensure compliance of the conditions of direction.  
Gujarat Pollution Control Board  
Paryavaran Bhawan  
Sector 10 A, Gandhinagar  
Gujarat - 382043
2. **The Regional Director,** : For information please.  
Regional Directorate,  
Central Pollution Control Board,  
Parivesh Bhawan, Opp. Ward No. 10  
VMC Office Subhanpura,  
Vadodara - 390 023
3. **The Director (CP Division),** : For information please.  
Ministry of Environment, Forest &  
Climate Change,  
Indra Paryavaran Bhavan, Jor Bagh  
Road, New Delhi - 110 003
4. **The Chairman,** : With a direction to disconnect  
Torrent Power Limited, the power supply of the  
Lal Darwaja, industrial unit please.  
Ahmedabad - 380001
5.  **The Divisional Head, IT Division,** : To upload the direction at CPCB  
CPCB, Delhi website.
6. **The Divisional Head, IPC-VI Division,** : For information and record  
CPCB please.
7. **The Divisional Head, IPC-III Division,** : For information please.  
CPCB

  
(PRASHANT GARGAVA)  
MEMBER SECRETARY

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