



By Speed Post

CP-11/108/2021-IPC-III-HO-CPCB-HO/ 2517

July 06, 2022

To,

M/s Mahalaxmi Fabric Mill,  
Plot No. 317/2,  
Isanpura Road,  
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 Mahalaxmi Fabric Mill, Plot No. 317/2, Isanpura Road, Narol, Ahmedabad - 382405 was inspected by the joint team of CPCB and GPCB on 23.02.2022 and following observations were made by the inspection team:

1. The Unit having valid Consolidated Consent & Authorization issued by GPCB was found operational on the day of visit.
2. The unit is storing the coal used for boiler and Thermic Fluid Heater (TFH) in open area near boiler.
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 coal crusher is not provided with environmental control system and during the visit fugitive emission from the coal crusher and transfer point junctions was observed.
5. It was also observed that the fly ash from APCD and bottom ash from the Boiler and TFH was stored in open in the boiler area.
6. The unit is handing over the fly ash and bottom ash to M/s Shubh Laxmi Trading Company, who further sells it to Brick kilns.
7. The unit is not maintaining the record of actual quantity of the fly ash & bottom ash generated and its disposal.
8. The unit is not maintaining the daily coal consumption records.
9. The unit has two bore wells in the premises and the water consumption was reported in the range of 499 KLD to 705 KLD which was exceeding the consented quantity of 508 KLD (for industrial and domestic use).
10. The ETP is comprising of Collection tank → Equalization tank (spent sulphuric acid dosing) → Flash Mixer (Flocculant-ESA and Colour removal agent-ECR dosing) → Six Primary Settling tanks with parallel feed (Partial wastewater from these tanks is used back for cleaning of printing machines and sprinkling on ash stored in the boiler area) → Aeration tank → two secondary clarifiers with parallel feed → Final treated effluent collection tank → Discharge.
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 (NTIEM) at Gyspur and the effluent is further treated in CETP before disposal at River Sabarmati.
13. The industry is maintaining the logbook records of the flow meter of treated effluent quantity recycled back in the process and discharged to the CETP.

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 CETP, it can be inferred that the quantity of the effluent generated is much more than the consented quantity of 440 KLD.
15. The unit has designated storage place under the shed for ETP sludge generated.
16. The industry is procuring and utilizing spent sulphuric acid and spent Aluminium chloride solution in ETP without obtaining required authorization under Rule-9 from GPCB.
17. The inspection team has performed stack monitoring of Steam Boiler and Thermic Fluid Heater and the analysis results are tabulated below:

Source of Sampling	Parameters		
	PM (mg/Nm <sup>3</sup> )	SO <sub>2</sub> (ppm)	NO <sub>x</sub> (ppm)
Source emission from stack attached to Steam Boiler (14 TPH)	26.4	43.17	107
Source emission from stack attached to Thermic Fluid Heater (6000 U)	44.5	195.58	73
Limit as per CC&A	150	100	50

It is evident from the analysis result that the unit is non-complying w.r.t. SO<sub>2</sub> (which was 195.58 ppm against 100 ppm) & NO<sub>x</sub> (which was 73 ppm against 50 ppm) from stack attached to Thermic Fluid Heater and NO<sub>x</sub> (which was 107 ppm against 50 ppm) from stack attached to team Boiler.

18. 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 NTIEM
1.	pH	8.18	6.5 to 8.5	6.5 to 8.5
2.	Colour	8290	100	100
3.	TSS	224	100	300
4.	COD	1571	100	1200
5.	BOD	688	30	500
6.	TDS	4637	2100	-
7.	NH <sub>3</sub> -N	118.4	50	50

8.	Phenol	0.24	1	01
9.	O & G	22.4	10	10
10.	Chloride	680	600	600
11.	Sulphide	11.0	0.5	02
12.	Sulphate	986	1000	-
13.	Cyanides	0.11	0.2	-
14.	Fluorides	2.03	1.5	-
15.	Total Chromium	1.26	2	02
16.	Hexavalent Chromium	BDL	0.1	0.1
17.	Copper	0.89	2	03
18.	Lead	BDL	0.1	0.1
19.	Nickel	0.03	3	03
20.	Zinc	0.12	5	05
21.	Boron	0.78	2	-
22.	Cadmium	BDL	2	-


It is evident from the analysis result that the unit was non-complying w.r.t. Colour, TSS, COD, BOD, TDS, NH<sub>3</sub>-N, O&G, Chloride, Sulphide & Fluorides as per CC&A issued by GPCB; 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, M/s **Mahalaxmi Fabric Mill, Plot No. 317/2, Isanpura Road, 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 & APC provided 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 sulphuric acid and 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 manpower for operation and maintenance of ETP.
9. The unit shall improve the housekeeping within the premises.
10. The unit shall seek permission from CPCB before resumption of the manufacturing operations.

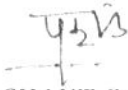
In case of default in compliance with the above conditions, CPCB will be constrained to initiate appropriate actions against the unit without giving any further notice, in accordance with provisions of the Environment (Protection) Act, 1986.

  
 (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 the power supply of the industrial unit please.  
 Torrent Power Limited,  
 Lal Darwaja,  
 Ahmedabad - 380001

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 Divisional Head, IT Division, : To upload the direction at CPCB  
CPCB, Delhi website.
5. The Divisional Head, IPC- VI Division, : For information and record  
CPCB please.
6. The Divisional Head, IPC-III Division, : For information please  
CPCB

  
(PRASHANT GARGAVA)  
MEMBER SECRETARY