



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

F.No. CP-11/45/2021-IPC-III-HO-CPCB-HO / 14082

February 23, 2022

To,

The Chairman
Punjab Pollution Control Board
Vatavaran Bhawan, Nabha Road,
Patiala - 147 001

Direction under section 18 (1)(b) of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 in the matter of M/s Adinath Dyeing & Finishing Mills, Dyeing Complex, Ind Zone, Bahadur Ke Road, Ludhiana, Punjab

WHEREAS, among others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Board (SPCB)/ Pollution Control Committee (PCC), constituted under the Water (Prevention and Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control of abatement of pollution streams and wells located in the State/UT and to secure the execution there; and

WHEREAS, the Central Government has notified the standards for discharge of environmental pollution from various categories of industries under Environment (Protection) Act, 1986 and the rule framed there under; and

WHEREAS, the CPCB and SPCBs have been pursuing the polluting industries to install effluent treatment plants (ETPs) to comply with the effluent discharge standards as notified under the Environment (Protection) Act, 1986 and the rule framed there under; and

WHEREAS, the SPCBs/PCCs can stipulate stringent standards for discharge of environmental pollution from various categories of industries than those notified by the Central Government, under the Environment (Protection) Act, 1986 and rules framed there under; 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, Ministry of Environment, Forest & Climate Change vide its gazette notification dated January 01, 2016 has notified in S.O. 4(E) that for each CETPs, the respective state boards will prescribe inlet quality standards for General Parameters, Ammonical-Nitrogen and Heavy metals as per design of the Common Effluent Treatment Plant (CETP) and local needs & conditions; and

WHEREAS, the inspection of M/s Adinath Dyeing & Finishing Mills, Dyeing Complex, Ind Zone, Bahadur Ke Road, Ludhiana, Punjab (hereafter referred to as 'the Unit') was carried out on 25.06.2021 by the team of CPCB to verify the compliance status under random inspection of industrial Units (GPIs), STPs and CETPs in the catchment of River Sutlej and the following were the observations made by the inspection team during the visit:

1. The Unit is engaged in the Dyeing of Fabric @ 6000 kg/day, Finishing of Fabric @1000 Kg/day, Printing of Fabric@ 4500 Kg/day and Dyeing & Washing of Garments @ 2000 Pcs. /day (Consented).
2. The Unit is having Consent order under Water Act,1974 which expired on 31.08.2021 & Air Act which is valid up to 31.03.2022. Authorization under the Hazardous Other wastes (Management & Transboundary Movement) Rules,2016 is valid up to 31.03.2022.
3. As per consented condition, the Unit is discharging trade & domestic effluent into 15 MLD CETP for dyeing cluster of Bahadur ke Road, Ludhiana.
4. The Unit has only equalization tank of capacity 600 KLD for mixing of streams and discharging its untreated waste water through drain into 15 MLD CETP.
5. The Unit is discharging effluent quantity (1900 KL/day) more than consented which is reported but less than agreement with CETP.
6. During visit it was observed that suction hood was not working properly resulting into poor ventilation.
7. Waste water sample (Grab sampling) was collected by the team from the outlet of ETP during the visit for analysis. The lab analysis results are as follows:

Parameters	Value of samples collected	Inlet design parameters of CETP
pH	8.6	6.5-8.5
BOD	352 mg/l	298
COD	1404 mg/l	590
TSS	227 mg/l	140
TDS	5888 mg/l	1950
Oil & Grease	7 mg/l	23
Phosphates	5.55 mg/l	--
Chlorides	2504 mg/l	--
Sulphates	257 mg/l	--
Fluoride	0.18 mg/l	--
Phenolic compounds	0.07 mg/l	0.80
Zinc	0.09 mg/l	--
Iron	1.04 mg/l	--
Copper	0.05 mg/l	--
Manganese	0.05 mg/l	--
Nickel	0.01 mg/l	--
Cadmium	BDL	--
Lead	BDL	--
Mercury	BDL	--
Total Cr	BDL	0.5

*All the values are in mg/l except pH.

It was evident the above analysis report, the Unit is found not conforming to the CETP inlet design norms w.r.t, pH 8.6 (against 6.5 to 8.5), BOD 352 mg/l (against 298 mg/l), COD 1404 mg/l (against 590 mg/l), TDS 5888 mg/l (against 1950 mg/l) & TSS 227 mg/l (against 140 mg/l)

WHEREAS, based on above observations and in exercise of the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment(Protection) Act, 1986, notice dated **16.07.2021**, was served to show cause why the Unit **M/s Adinath Dyeing & Finishing Mills, Dyeing Complex, Ind Zone, Bahadur Ke Road, Ludhiana, Punjab** 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

WHEREAS, CPCB has sent the Direction to the Unit through Speed post and through email dated 28.07.2021. The Unit has not accepted the Direction and the speed post is returned back to CPCB H.O. The said Direction was again sent to Member secretary PPCB vide letter dated 06.08.2021 for ensuring the delivery of Direction to the Unit; and

WHEREAS, the Unit vide its reply letter number Nil dated 12.08.2021 has submitted that the sample was not collected in accordance of EP rules and required notice was also not served for collecting the sample; and

WHEREAS, CPCB, Regional Directorate Chandigarh has re-inspected the Unit on 07.10.2021 and following observations were made by the inspection team during the visit:

- i. The industry is engaged in process of undertaking dyeing of fabrics to the tune of 600kg /day besides the fabric printing.
- ii. The industry is using chemical for dyeing and printing of fabrics i.e. Dye 72 kg/day; acetic acid 75 kg/day; Softner 36 kg/day; Soda ash 300 kg/day; Sodium Chloride 2400 kg/day; Caustic Soda 60 kg/day; Hydrogen Peroxide 90 kg/day.
- iii. The water requirement of the industry is met from groundwater using two tube wells. The application dated 30.03.2017 for seeking permission to extract ground water is pending before CGWA for grant / refusal.
- iv. The industry has provided only an equalization tank for holding the effluent before discharge to CETP. An electromagnetic flowmeter is installed to monitor the quantity of effluent discharged to CETP. It was observed that appx 90m³/he (i.e. appx 2160 m³/day) of effluent is discharged to CETP against consented limit of 600 m³/day.
- v. The inspection team has collected the grab sample from the holding tank & final outlet and the analysis result of the same is tabulated below:

Parameters	Value of samples collected		Inlet design Parameter of CETP
	From holding tank	From outlet	
pH	9.2	9.3	6 - 9
BOD	212	258	298 (BOD ₃)
COD	780	948	590
TDS	2838	2838	1950
Phenol	BDL	BDL	--
Cd	BDL	BDL	--
Cr	BDL	BDL	--
Cu	0.03	0.03	--
Ni	BDL	BDL	--
Pb	BDL	BDL	--
Zn	0.05	0.05	--

*All the values are in mg/l except pH.

It is evident from the above results that the parameters pH (9.3 against the range of 6-9), COD (948 mg/l against 590 mg/l) and TDS (2838 mg/l against 1950 mg/l) are exceeding the inlet design parameters/norms of 15 MLD CETP at Bahadur ke Road.

NOW THEREFORE, in view of the above and in exercise of the powers conferred under section 18 (1) (b) of the Water (Prevention and Control of Pollution) Act, 1974, and Air (Prevention and Control of Pollution) Act, 1981 PPCB is directed to comply following directions:

- i. To notify inlet quality standards for CETP (Bahadur Ke Road, Ludhiana) in which said Unit is discharging its treated effluent.
- ii. To make required amendment in the consent order issued to all the member industries including the Unit M/s Adinath Dyeing & Finishing Mills, Dyeing Complex, Ind Zone, Bahadur Ke Road, Ludhiana, Punjab connected to said CETP stating clearly the discharge standards to be met by each industrial Units in their consent order etc.
- iii. To ensure that all Units including above-mentioned Unit M/s Adinath Dyeing & Finishing Mills, Ludhiana, Punjab attached with the CETP shall achieve the prescribed inlet & treated effluent quality standards as specified in S.No.55 (Common Effluent Treatment Plants) of schedule-1 to the E (P) rules 1986 and shall also be made jointly & severally responsible for ensuring compliance.
- iv. To carry out adequacy assessment of only Equalization tank provided by the Unit for achieving prescribed inlet norms and accordingly ensure necessary action towards installation/commissioning & operation of needed primary effluent treatment system required for achieving the inlet discharge standards of CETP.
- v. To take suitable action against M/s Adinath Dyeing & Finishing Mills, Dyeing Complex w.r.t reported excess discharge of effluent into CETP against consented quantity.
- vi. To Ensure that the Unit M/s Adinath Dyeing & Finishing Mills, Ludhiana, Punjab shall not operate without valid CTO & permission from concerned GWA for ground water abstraction.


The time bound action taken report shall be submitted to CPCB within 30 working days from the date of receipt of this direction.

MTC
13/2/22
(TANMAY KUMAR)
CHAIRMAN

Copy to:

1. **The Regional Director,** : For information please.
Regional Directorate,
Central Pollution Control Board,
Second Floor, Telephone Exchange,
Sector 49, Chandigarh - 160047
2. **The Director (CP Division),** : For information please.
Ministry of Environment, Forest &
Climate Change, Indra Paryavaran
Bhavan, JorBagh Road,
New Delhi - 110 003
3. **The Divisional Head, IT Division,** : To upload the direction at
CPCB, Delhi CPCB website.
4. **The Divisional Head, IPC- VI:** For information and record
Division, CPCB please.
5. **The Divisional Head, IPC-III:** For information please.
Division, CPCB

CP-11/45/2021-IPC-III-HO-
CPCB-HO


25/02/2022
(PRASHANT GARGAVA)
MEMBER SECRETARY

g/c