



File No.: PJ-14011(12)/12/2024-WQM-II-HO-CPCB-HO

12 Nov, 2024

To,

M/s Mahna Leather Pvt. Ltd.,
E-101 Surajpur, Site-B,
Greater Noida - 201306,
Uttar Pradesh

Directions under Section 5 of the Environment (Protection) Act, 1986-reg.

WHEREAS, Tanneries 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/emission of environmental pollutants for various categories of industries under the Environment (Protection) Act, 1986 and the rules framed thereunder; and

WHEREAS, it is obligatory on the part of industries to install Effluent Treatment Plants (ETPs) and Air Pollution Control Devices (APCDs) to comply with the effluent discharge and emission standards as notified under the Environment (Protection) Act, 1986 and the rules framed thereunder and also to meet the consent conditions granted by State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs); and

WHEREAS, there is need to promote self-regulation and self-promotion within the industries for complying with the prescribed standards and this can be achieved by the methods like installing Online Effluent and Emission Monitoring Devices; and

WHEREAS, 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 by Central Pollution Control Board (CPCB) on 05.02.2014 to all the SPCBs/ PCCs for installation of Online Effluent Monitoring System w.r.t. pH, BOD, COD, TSS and Flow parameters in Tanneries; and

WHEREAS, the inspection of M/s Mahna Leather Pvt. Ltd., E-101 Surajpur, Site-B, Greater Noida, U.P. (hereafter referred as "Unit") was carried out by CPCB, RD Lucknow officials on 07.08.2024 under SMS alerts based inspections (offline): Environment surveillance of 17 categories of high pollution potential industries and common facilities based on OCEMS data. The major observations made by the inspection team are as follows:

1. The unit was operational on the day of inspection and engaged in the process of Finished leather (wet blue to finished leather) with reported capacity of 2500 pieces of skins per day.
2. The unit has valid consolidated consent and authorization under Water (Prevention and Control of Pollution), Act 1974 and Air (Prevention and Control of Pollution), Act 1981 for production of 1,25,000 DM/day finished leather which is valid up to 31.12.2024.
3. 1 borewell was found installed for which the unit has obtained valid NOC from State Ground Water Department which is valid up to 04.08.2026.
4. The unit has installed ETP having capacity of 20 KLD. The ETP comprises of the following sub-units:
Screen chamber, Equalization tank, Primary clarifier, Secondary clarifier, Aeration tank, Treated water tank, ACF & sand filter, Sludge collection bed, Hydraulic filter press, Sludge storage shed, RO, Nano filter.
5. The unit has installed tertiary treatment system i.e. RO and nano filter but the effluent was not being routed through RO and nano filter. As per consent condition, the ETP should consist primary/secondary and tertiary treatment.
6. During visit the ETP was operational and the team has collected samples, analysis results of ETP inlet shows pH-7.43, TSS- 942 mg/l, TDS- 3224 mg/l, Sulphide- 4.84 mg/l, COD- 1826 mg/l, BOD- 753 mg/l, O&G- 83.2 mg/l, Cr-VI- <0.1, Total Cr- 44.5 mg/l and results of ETP outlet shows pH- 8.44, TSS- <2 mg/l, TDS- 1086 mg/l, Sulphide- <1 mg/l, COD- 17.7 mg/l, BOD- 5.44 mg/l, O&G- <5 mg/l, Cr-VI- <0.1, Total Cr- 0.027 mg/l, MLSS- 189 mg/l and MLVSS- 136 mg/l which is complying as per prescribed standards.
7. However, percentage reduction in physico-chemical parameters such as BOD, COD and TDS is 99.87%, 99.03% and 66.31 %, respectively in spite of low MLSS/MLVSS and even when effluent is not being routed through RO and nano filter, which indicates dilution of the industrial effluent at any stage before discharge from ETP Outlet can't be ruled out.
8. The unit has installed OCEMS at the outlet of ETP. During visit, OCEMS indicating pH, COD, BOD and TSS as 7.61, 80.33 mg/l, 9.87 mg/l and 17.01 mg/l respectively which shows variation as compared to the ETP outlet parameters. The unit provided calibration certificate dated 12.06.2024.
9. Improper collection and storage of sludge was observed. Some part of sludge was found stored outside of sludge storage room. It was informed that the sludge was being disposed off in TSDF.
10. The unit has obtained hazardous waste authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 which is valid upto 21.10.2027. Hazardous waste generated from the unit was being disposed through TSDF for which the unit has obtained permanent membership of U.P. Waste Management Project.
11. As per consent condition, the unit should recycle the treated effluent at maximum extent and should be reused within the premises for the gardening etc. However, no recycling or reuse of treated effluent is observed during visit.

AND WHEREAS, CPCB has verified the OCEMS connectivity and as per the report dated 17.10.2024 it is evident that the OCEMS is connected to CPCB server and the last data received on 16.10.2024; and

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WHEREAS, the Ministry of Environment, Forest and Climate Change, Government of India, vide Notifications No. S.O. 157 (E) of 27.02.1996, and S.O. 730(E) dated 10.07.2002, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board, to issue directions to any industry or any local body or any other authority for violations of the standards and rules notified under the Environment (Protection) Rules, 1986 and amendment thereof;

NOW, THEREFORE, in view of the above mentioned observations and in exercise of the powers delegated to the Chairman CPCB, under section 5 of the Environment (Protection) Act, 1986, the Unit, **M/s Mahna Leather Pvt. Ltd., E-101 Surajpur, Site-B, Greater Noida, U.P.** is hereby directed to comply with the following technical directives:

1. The unit shall ensure proper Operation & Maintenance of ETP to meet out the consented discharge norms and desired level of biomass in the aeration tank.
2. The unit shall immediately dismantle dilution facility, if any, and stop the practice of dilution in ETP and ensure compliance of notified discharge norms at all time.
3. The unit shall ensure uninterrupted connectivity & regular transmission of OCEMS data to CPCB/ UPPCB server, any failure, in this regard shall be reported and rectified at the earliest.
4. The unit shall ensure regular Operation & Maintenance and calibration of OCEMS to obtain continuous & reliable results and maintain record for the same.
5. The unit shall make provision for proper collection, storage and handling of sludge in a designated sludge storage room as well as its disposal in a scientific manner.
6. The unit shall treat the effluent upto tertiary level and shall route the effluent through RO and nano filter.
7. The unit shall recycle or reuse the treated effluent to the maximum extent within the premises for gardening etc. in order to reduce the fresh water consumption, as per consent conditions.
8. The unit shall develop proper green belt as per consent conditions.

M/s Mahna Leather Pvt. Ltd., E-101 Surajpur, Site-B, Greater Noida, U.P. shall ensure the compliance of directions mentioned above and submit duly notarized point wise reply along with measures taken in compliance to all points mentioned at Sr. No 1 to 8 within 30 days from the date of issue of directions. In case of failure, the Board will be constrained to initiate action in accordance with the provisions of the Environment (Protection) Act, 1986.


(TANMAY KUMAR)
CHAIRMAN

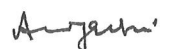
Copy to:

1 Member Secretary,

Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuti Khand,
Gomti Nagar, Lucknow – 226 010

: For kind information, please





2 Additional Secretary (CP Division),
Ministry of Environment, Forest and
Climate Change, Prithvi Block,
Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110003

3 Regional Director,
Regional Directorate
Central Pollution Control Board,
PICUP Bhawan, Ground Floor,
Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010

4 Divisional Head,
IT Division, CPCB, Delhi

5 Divisional Head,
IPC-VI Division, CPCB, Delhi

: For kind information, please

: With the request to follow up &
ensure compliance of the
directions.

: With the request to upload the
Directions on CPCB website.

: For kind information, please.



(BHARAT KUMAR SHARMA)
MEMBER SECRETARY

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