



SPEED POST

File No.: CP-11/29/2024-IPC-IV-HO-CPCB-HO/3476

August 12, 2024

To,

The Member Secretary
Rajasthan State Pollution Control Board
4, Jhalana Institutional Area,
Jhalana Doongri, Jaipur-302004
(Rajasthan)

Directions under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 in the matter of M/s Star Industries, Khasra No. 947/785, Village-Palara, Tehsil: Nawa, District-Nagaur, Rajasthan - 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, under section 16 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 16 of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the Central Pollution Control Board (CPCB), constituted under Water (Prevention and Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) and to provide technical assistance and guidance to SPCBs and PCCs; and

WHEREAS, under Section 17 of the Water (Prevention & Control of Pollution) Act, 1974, and under Section 17 of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the SPCBs/PCCs is to plan a comprehensive programme for the prevention, control or abatement of pollution of streams, wells and air pollution in the State/Union territory and to secure the execution thereof; and

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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, 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 Rules framed there under; 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 SPCBs/PCCs; and

WHEREAS, the Ministry of Environment, Forest & Climate Change (MoEF&CC) vide notification no. GSR No. 656(E) dated 10.09.2021 revised the standards for Tannery sector under the Environment (Protection) Act, 1986 and came into force from 01.07.2022. The revised Standards were communicated to all the SPCBs/PCCs by CPCB vide letter and e-mail dated 15-07-2022 for its implementation; and

WHEREAS, a team of officials from CPCB inspected **M/s Star Industries** (hereinafter referred as "the Unit") Khasra No. 947/785, Village-Palara, Tehsil: Nawa, District-Nagaur, Rajasthan on 07.03.2024 under "Environmental Surveillance of 17 category of high pollution potential industries and Common Facility, based on OCEMS data programme". The major observations made by the inspecting team during the visit are as follows:

1. The Unit is engaged in processing of Wet Blue leather (processing of Goat & Sheep Skin) with consented capacity of 2000 skins per day.
2. The Unit was granted Consent to Operate (CTO) under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 by Rajasthan State Pollution Control Board (RSPCB), with validity up to 31.01.2027. However, CTO is not revised by RSPCB after notification of new standards for tannery sector vide notification no. G.S.R. 656(E) dated 10.09.2021.

3. The Unit and ETP were in operation and non-chromium bearing effluent was treated in ETP.
4. The Unit was operating without authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016, which expired on 31.10.2023.
5. The Chrome Recovery Plant (CRP) was found non-functional.
6. As per the authorization issued by RSPCB, ETP sludge to be disposed of at Common Treatment and Disposal Facility (CTDF), Udaipur. As reported by the team, ETP Sludge generated during treatment is being utilized at 20 Km. away from the premises in the agriculture field.
7. The laboratory analysis result of ETP outlet samples taken during inspection indicate that the unit is non-complying with the notified effluent standards for tannery sector with regard to Hexavalent Chromium (0.125 mg/l against 0.1 mg/l) and Total Dissolved Solids (30,410 mg/l against 2100 mg/l).
8. The analysis report of samples collected by CPCB team from dug cum bore well located inside the unit premises (GPS Coordinates: Latitude- 27.076877 N & Longitude - 74.860604 E) indicates that the values for Total Dissolved Solids (26075 mg/l against 500-200 mg/l), Chloride (11316 mg/l against 250-100), Total Alkalinity (854 mg/l against 200-600), Total Hardness (2838 mg/l against 200-600) and Sulphate (485 mg/l against 200-400) are above the prescribed limits of BIS 10500:2012.
9. The third party (M/s Team Test House), engaged by the Unit, analysis report of samples collected from dug cum bore well located inside the unit premises on 01.01.2024, indicates that Total Hardness (4533.33 mg/l against 200-600 mg/l), TDS (30268 mg/l against 500-2000), Magnesium (35435 mg/l against 30-100), Fluoride (1.92 mg/l against 1.0-1.50), Alkalinity-T (612 mg/l against 200-600), Chloride (12342.27 mg/l against 250-1000), Calcium (1250 mg/l against 75-200), Sulphate (5000 mg/l against 200-400) and Nitrate (1797.22 mg/l against 45) were much higher than the prescribed limits of BIS 10500:2012.
10. The Unit has installed On-line Continuous Effluent Monitoring System (OCEMS) at the final outlet of ETP for measuring, flow, TSS, BOD, COD parameters and the same is connected with the CPCB server. During inspection the OCEMS values of pH-7.16, COD-18.02 mg/l, BOD-1.78 mg/l and TSS- 18.19 mg/l were

reported. The last calibration for OCEMS was done on 14.12.2023. The Calibration of OCEMS is not as per CPCB guidelines.

11. The Unit has not maintained daily records of flow meters installed in bore-wells and ETP outlets.
12. The Unit has provided the Hazardous waste display board at factory main gate but not updated the information.
13. The Unit is not maintaining the record of Hazardous Waste as per the Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.

WHEREAS, it is evident from the above observations made by the inspecting team that the Unit is non-complying w.r.t. notified effluent standards for tannery sector, ground water parameters higher than the prescribed limits of BIS 10500:2012, Chrome Recovery Plant (CRP) was found non-functional, discharge of sludge at agriculture land and not having valid authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

NOW, therefore, in exercise of the powers conferred under Section 18 (1) (b) of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, Rajasthan State Pollution Control Board (RSPCB) is hereby directed to take appropriate action including imposition of Environmental Compensation (EC) against **M/s Star Industries**, Khasra No. 947/785, Village-Palra, Tehsil: Nawa, District-Nagaur, Rajasthan and ensure that the said Unit does not operate till it complies with the following:

1. Having valid Hazardous Waste Authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
2. Having valid Consent to Operate (CTO) in compliance of the notified revised standards for Tannery Sector vide notification no. G.S.R. 656(E) dated 10.09.2021.
3. Stipulation of discharge standards in line with the discharge standards notified under the Environment (Protection) Act, 1986 on 10.09.2021 for Tannery sector.
4. Regular operation and maintenance of Chrome Recovery Plant (CRP).
5. Disposal of ETP sludge/hazardous waste on agricultural land/open area, is stopped.

6. Maintain record of hazardous waste in Form-3 as per Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
7. Compliance of Hazardous Waste storage & disposal as per authorisation granted under the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
8. Regular operation, maintenance, & Calibration of Online Continuous Effluent Monitoring System (OCEMS) is ensured and copy of recent calibration certificate is submitted.
9. Maintenance of daily records of flow meters installed at bore-wells and ETP outlets.
10. Information related to Hazardous waste is updated on regular basis in display Board installed at the main gate.

Further, detailed assessment of soil contamination, ground water pollution through a reputed institute be carried out and based on the same remediation plan, as applicable, be prepared and their execution in time bound manner be also ensured.

The action taken report shall be sent by RSPCB to the CPCB within 30 days from the date of receipt of these directions. RSPCB shall also acknowledge the receipt of this direction to CPCB within 15 days from the date of the receipt and should keep strict follow-up of the Unit to ensure complete compliance of the direction.


(BHARAT KUMAR SHARMA)
MEMBER SECRETARY



Copy to:

- 1 **The Chairman,** : For information, please
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Board, 4, Jhalana Institutional Area,
Jhalana Doongri, Jaipur-302004
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- 2 **The Director (CP Division),** : For information, please
Ministry of Environment, Forest & CC,
Prithvi Block, Indira Paryavaran
Bhawan, Jorbagh Road, New Delhi –
110003.
- 3 **The Regional Directorate,** : For follow-up and ensuring
Central Pollution Control Board, compliance please
3rd Floor, Sahkar Bhawan, North TT
Nagar, Bhopal, M.P.-462003
- 4 The Divisional Head, : For uploading on CPCB website
IT Division, CPCB, Delhi please
- 5 The Divisional Head, : For information, please.
IPC-VI Division, CPCB, Delhi

(BHARAT KUMAR SHARMA)
MEMBER SECRETARY

AS/L