

MAHARASHATRA POLLUTION CONTROL BOARD

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Near Sion Circle, Sion (E),
Mumbai - 400 022

Red/SSI/ Dismantler

UAN: MPCB-CONSENT-0000025199

Consent No: BO/MPCB/RO(HQ)/B- 1802000172

Date: 5/02/2018

Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 & Authorization / Renewal of Authorization under Rule 13 of the E-Waste (Management) Rules, 2016.

[To be referred as Water Act, Air Act, HOW (M&TM) Rules and E-Waste (M) Rules, respectively].

.....
CONSENT is hereby granted to

**M/s Mercury Metal Industries
D-48 MIDC, Industrial Area Mahad,
Tal-Mahad-Raigad.**

Located in the area declared under the provisions of the Water Act, Air act, Authorization under the provisions of H&OW (M&TM) Rules and amendments thereto and the E-Waste (M) Rules, 2016 and subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for period upto: 31/07/2022.

[Subject to having valid Authorisation from MPCB as "E-Waste Dismantler" as per provisions of the Rule 11 of the E-Waste (M) Rules, 2016.]

2. The Consent is valid for the activity of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Collection, Segregation, Dismantling of electrical and electronic waste as the provisions of the E-waste (M) Rules 2016 (Using Environmentally Sound technology as per E-Waste (M) Rules, 2016))	500	MT/A
2	Copper Ingots & Zinc Ingots (Using EST as per HOW (M & TM) Rules, 2016)	250	MT/A

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall be NIL.
(ii) The daily quantity of sewage effluent from the factory shall not exceed 1.4 M³.
(iii) **Trade Effluent Treatment & Disposal:** — NA —
(iv) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards:
(1) Suspended Solids Not to exceed 100 mg/l.

"M/s Mercury Metal Industries" MPCB-CONSENT-0000025199

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(2) BOD 3 days 27° C. Not to exceed 100 mg/l.

(vi) **Non-Hazardous Solid Wastes:**

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1	Scrap /Plastic packing Material/Wood card board, gunny bags	1	MT/M	---	Sale to Authorized dealer

(vii) **Other Conditions:** Industry should monitor effluent quality regularly.

4. **The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under**

The daily water consumption for the following categories is as under:

- | | | |
|---|-----|----------|
| (i) Domestic purpose | --- | 1.6 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable | --- | 0.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | --- | 0.00 CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed | --- | 0.00 CMD |

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIONS UNDER AIR ACT:**

- (i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

Control Equipment:

1. Scrubber of sufficient capacity shall be provided to melting furnace to control gaseous emission.
2. Dust collector with bag house sufficient capacity shall be provided to melting furnace and all other sources SPM emission

a. **Standards for Emissions of Air Pollutants:**

- | | | |
|----------------------|---------------|-----------------------|
| (i) SPM/TPM | Not to exceed | 50 mg/Nm ³ |
| (ii) SO ₂ | Not to exceed | 13.38 kg/day |
| (iii) Lead | Not to exceed | 10 mg/Nm ³ |

- (iv) Standards for Stack Emissions:

The applicant shall observe the following fuel pattern: -

Sr. No.	Type of Fuel	Quantity	UOM
1.	Coal	400	Kg/Day

- (v) The applicant shall erect the chimney(s) of the following specifications: -

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Cupola Furnace	30.0

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(vi) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

(vii) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

(viii) **Other Conditions:**

1. The industry should not cause any nuisance in surrounding area.
2. The industry should monitor stack emissions and ambient air quality regularly.

6. CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016:

The industry shall accept & process Copper dross, Scrap, Zinc Ash, Druid of copper, Brass & Zinc – 450 MT/A as raw material.

(i) The Industry shall handle hazardous wastes as specified below:

Sr. No.	Type of Waste	Quantity	UOM	Disposal
1	31.1 – Process residues and waste	1.0	MT/A	CHWTSDF
2.	34.1-Flue gas cleaning residue			
3	9.1 Lead Slag/Lead Bearing Residues	1	MT/M	CHWTSDF
4	9.2 Lead ash/particulate from flue gas			
5.	Copper Sludge & filter Cakes	2	MT/M	CHWTSDF

(ii) The authorization is hereby granted to operate a facility for generation, collection, storage, transport & disposal of hazardous waste.

(iii) It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous & Other Wastes (M & TM) Rules, 2016 and shown & submitted to the Board as & when asked for.

a. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

b. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.

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- c. The industry shall submit the Annual Returns as per rules 6(5), and 20 (2) of the Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form - IV by 30th June of every year.

7. **Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):**

i. **Collection of WEEE -**

The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.

Storage for disassembled parts: The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and / or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.

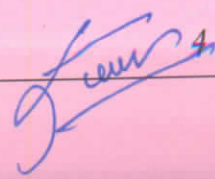
ii. **Storage for other components and residues: -**

Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.

iii. **Balances: -**

WEEE Guidelines also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.

- iv. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
- v. Ferrous and non ferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
- vi. CFCS should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
- vii. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.



- viii. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
- ix. Mercury recovery and lead recycling facilities from batteries fall under the
- x. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
- xi. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.

8. Industry shall comply with following general conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent / emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air

- pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection System.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
9. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
10. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
11. The applicant shall comply with conditions stipulated in the Authoriastion and passbook issued by the MPCB vide No. MPCB/RO(HQ)/HSMD/Autho/17/EW/414 dated 05/02/2018 valid upto 31/07/2022 for dismantling of E-Waste - 500 MT/A.
12. The applicant shall comply with conditions stipulated in the Authoriastion and passbook issued by the MPCB vide No. MPCB/RO(HQ)/Reg/15/HW/HWMD-248 DATED 08/07/2015 valid upto 07/07/2020 for Recycling / Re-processing of Copper dross, Scrap, Zinc Ash, Druid of copper, Brass & Zinc - 450 MT/A.
13. This consent is issued with overriding effect of earlier consent vide No.BO/MPCB/RO(HQ)/Raigad/CO/B-8262 dated 27/07/2015
14. The Total Capital investment of the industry is Rs. 90.47/- Lakhs.


(N. N. Gurav)
Regional Officer (HQ)

To,
M/s Mercury Metal Industries
D-48 MIDC, Industrial Area Mahad,
Tal-Mahad-Raigad

Copy to:

- 1) Regional Officer, Raigad / SRO Mahad .
- 2) Chief Accounts Officer, MPCB, Mumbai,
- 3) Master File

Received Consent fee of -

Sr. No.	Amount(Rs.)	TXN No.	Date	Drawn On
1	25,000/-	TXN1704003367	26/04/2017	Online payment