



Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING & TECHNOLOGY
BAMBHORI, POST BOX NO. 94, JALGAON- 425001. (M.S.)
Included Under Section 2(f) & 12(B) of the UGC Act, 1956
ISO 9001:2015 Certified



November 2021

TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTE

Phone: (0257) 2258393, 94, 95 Fax: (0257) 2258392
Website- www.sscoetjalgaon.ac.in Email: sscoetjal@gmail.com

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste

1. Solid waste management
2. Liquid waste management
3. Biomedical waste management
4. E-waste management
5. Waste recycling system
6. Hazardous chemicals and radioactive waste management

Solid waste management:

The institute has maintained a neat and clean ambience by a well designed and organized solid waste management system. Solid waste is segregated as degradable and non-degradable and are handed over to the concern authorities as a part of Swach Bharat initiative & clean and green campus. Each block and each floor is provided with dry waste collecting bins every day and collected, the same is transported to the concerned places and segregate and hand over to concern. It has dust bins installed at suitable locations everywhere. The dust bins have capacity to store for a week. Sufficient quantity of bins provided at wet waste prone areas like cafeteria, food courts and food processing along with daily collected vegetable waste, food waste is treated and converted into vermi compost and used the manure further to develop garden and plants growth in the campus. There are dustbins placed at specific points to prevent littering in the campus. The institute is striving to be a plastic free zone and making the campus eco-friendly and greenery to reduce global warming. The cartridges are refilled and re-used in the printers. They are emptied by specifically deployed employees. The waste is emptied into tractor trolley and is carried away from the campus. It is handed over to municipal authorities for disposal. The waste from various offices, laboratories, corridors, class rooms etc is also weekly removed and dumped into trolleys.

Liquid waste management

Liquid waste is mainly the sewage coming out from hostels, messes, canteens, staff quarters and toilet blocks of the institute. The entire campus has two pipe systems in place. Here, sullage (liquid waste coming out from bathrooms and kitchen) and sewage (liquid waste coming out from latrine) are collected separately. The sewage is passed through septic tanks and soaks pits. It is relatively small in quantity. The sullage is treated in the indigenously designed sullage plant in the campus. The treated sullage is used for gardening purpose. It has been possible to maintain

a lush green campus owing to this technology. The recycled water is utilized for plantation and garden area.

E-waste management:

The E-waste management has been given due focus and all Electronic goods are put to optimum use. The old computers are used by the instructor for demonstration purposes in the practical sessions. The ones which are unusable in any manner they are exchanged with new equipment in Exchange offer. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs are used by students for decoration and Participation in competitions 'Best out of Waste' in various activity. Computers, printers and other equipment are donated to charitable organizations after a given period of usage. The main aim is to collect E-Waste and segregate the useful circuits and components and make it into useful products. Establishing E-Waste Collection Plant in future will help by providing employment to youth in the adopted villages.

SSBT's COLLEGE OF ENGG. & TECHNOLOGY, BAMBHORI, JALGAON

Ref. No. COET/ A.R. / 262 /02/21

Date: 26.02.2021

OFFICE ORDER

To,
Care Taker

As per the decision taken in Purchase Committee meeting held on 25/02/21, the sale of Scrap Materials is awarded to Kamran Steel Traders, Jamner in following rates. You should personally remain present at the places where ever the scrap is laying at the time of selling scrap to the vendor.

- 1) MS Scrap – Rs.23/- per kg. ✓
- 2) File, Paper Raddi – Rs. 13/- per kg.
- 3) MS Patra Scrap – Rs.19/- per kg.
- 4) Scrap Plastic – Rs. 20/- per kg.
- 5) Scrap Window AC – Rs.2800/- per no. ✓ 415
- 6) Scrap Water Cooler – Rs. 2700/- per no. ✓ 5
- 7) Scrap UPS – Rs. 7100/- per no.
- 8) Scrap Batteries – Rs.2100/- per no.
- 9) Computer – Rs. 800/- per no.

Copy to:

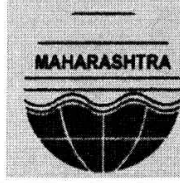
- Vice Principal
- A.R.
- Principal Office


Registrar
Registrar

SSBT's College of Engineering & Techno-
Bambhori, Jalgaon-425001(M.S.)

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781
/24037124/24035273
Fax : 24044532 / 24024068 /
24023516
Email : rohq@mpcb.gov.in
Website: www.mpcb.gov.in



Kalpataru Point, 3rd & 4th floor,
Sion- Matunga Scheme Road No. 8, Opp. Cine
Planet Cinema
Near Sion Circle, Sion (E),
Mumbai - 400 022

Red/S.S./Dismantler

UAN: MPCB-CONSENT-0000042435

Consent No: BO/MPCB/RO(HQ)/CO/B- 1903000/85 Date: 6/13/2019

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 and HOW (M&TM) Rules respectively].

CONSENT is hereby granted to,

M/s. E- Refine Corporation,
Gut no 24, Plot No.2,
Dargah Road, Abdimandi, Daultabad,
Tal & Dist Aurangabad

Located in the area declared under the provisions of the Water Act, Air act, Authorization under the provisions of HOW (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 a period upto: 31/01/2024.

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

2. The Consent is valid for the activity of –

Sr. No.	Product Name	Electrical & Electronics Equipment code	UOM
1	Collection, Segregation & Dismantling E-Waste	ITEW 2	260 MT/A
		ITEW 3	
		ITEW 6	
		ITEW 8	
		ITEW 9	
		ITEW 16	
		CEEW 2	
		CEEW 3	
		CEEW 4	
		CEEW 5	

Using Environmentally Sound technology as per E-Waste (M) Rules, 2016

"M/s. E- Refine Corporation, MPCB-CONSENT-0000042435"

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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 **0.6M³**.
- (iii) **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.
 - (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	Plastic Waste & Metal Scrap	10	MT/A	---	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 ... 1.00 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 equipment 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: Industry shall provide air pollution control equipment of sufficient capacity to control the emissions.

a. Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 50 mg/Nm³
- (ii) SO₂ Not to exceed --- kg/day
- (iii) Standards for Stack Emissions:

The applicant shall observe the following fuel pattern: -

Sr. No.	Type of Fuel	Quantity	UOM
N.A.			

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Dust collector	3.5 Above roof

"M/s. E- Refine Corporation, MPCB-CONSENT-0000042435"

[Signature] 2

(v) 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.

(vi) 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.

(vii) **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 & TRANSBOUNDRY MOVEMENT) RULES, 2016:

(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	01	MT/A	CHWTSDF
	34.1- Flue gas cleaning residue			

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

(iii) The industry should comply with the conditions of E-Waste (M) Rules, 2016.

- 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 equipment, 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.
- c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous & Other Wastes (Management & Transboundry Movement) Rules, 2016 and shown & submitted to the Board as & when asked for.

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 nonferrous 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 dismantling facility and later disposed in TSDF.

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 equipment 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 Industry shall comply with conditions stipulated in the authorization certificate issued by the MPC Board vide no: MPCB/RO(HQ)/HSMD/Autho/18/EW-25 dated: 27/02/2019, valid up to: 31/01/2024 for Dismantling of E - Waste - 260 MT/A..
 12. The Total Capital investment of the industry is Rs. 38.50/- Lakhs.



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

To,
M/s. E- Refine Corporation,
Gut no 24, Plot no.2,
Dargah Road, Abdimandi, Daultabad,
Tal & Dist Aurangabad

Copy to:

- 1) Regional Officer, MPCB, Aurangabad
- 2) Sub-Regional Officer, MPCB, Aurangabad.
- 3) Chief Accounts Officer, MPCB, Mumbai.

Received Consent fee of -

Sr. No.	Amount(Rs.)	TXN. No.	Date	Drawn On
1	7500/-	TXN1802001389	12/02/2018	Online Payment

"M/s. E- Refine Corporation, MPCB-CONSENT-0000042435"



सत्यमेव जयते

**महाराष्ट्र शासन
वन विभाग**

**‘महाराष्ट्र हरितसेना’ सदस्यत्व प्रमाणपत्र
प्रमाणित करण्यात येते की,**

श्री. / श्रीमती : **SSBT COET BAMBHORI JALGAON**

रा. : **BAMBHORI BK**

तालुका : **Dharangaon** जिल्हा : **Jalgaon**

यांना ‘महाराष्ट्र हरितसेना’ चे सदस्यत्व प्रदान करण्यात येत आहे.

**लोकहिताच्या कार्यात सहभागी झाल्याबद्दल
हार्दिक शुभेच्छांसह !**

नोंदणी क्रमांक : **JG/2019/Org/159575**

दिनांक महिना वर्ष

16 07 2019

**प्रधान मुख्य वनसंरक्षक
सामाजिक वनीकरण,
महाराष्ट्र राज्य,
पुणे**