

**ENVIRONMENTAL STATEMENT
FOR THE YEAR 2022-2023**

AIZAWL MUNICIPAL CORPORATION

SUBMITTED BY

**AIZAWL MUNICIPAL CORPORATION
ENVIRONMENTAL CELL
AIZAWL, MIZORAM.**

**ANNEXURE
ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)**

Environmental Statement for the financial year ending with 31st March

PART-A

(i) Name and address of the owner/ occupier of the industry operation or process

		AIZAWL MUNICIPAL CORPORATION
(ii)	Industry category	Municipal Waste Management Center
	Primary-(STC Code)	NA
	Secondary- (STC Code)	√
(iii)	Production category - Units	
(iv)	Year of establishment	10 th Dec 2019
(v)	Date of the last environmental statement submitted	Not Submitted

PART -B

Water and Raw Material Consumption:

i) Water consumption in m3/d

Process: NA
Cooling: NA
Domestic: Only for drinking (1.0 KLD)

ii) Raw material consumption

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
Municipal solid waste	Waste material for recycling	NA	2.95

** Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.*

PART-C
Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)			Percentage of variation from prescribed standards with reasons	
		S. No	Parameter	Standards (Mode of Disposal) Land disposal		Results
(a)Water	500 litres/day	1.	Suspended solids, mg/l, max	200	160	Within Standard
		2.	Dissolved solids (inorganic) mg/l, max.	2100	1200	
		3	pH value	5.5 to 9.0	7.26	
		4	Ammonical nitrogen (as N), mg/l, max.	-	42.6	
		5	Total Kjeldahl nitrogen (as N), mg/l, max.	-	93.8	
		6	Biochemical oxygen demand (3 days at 270 C) max.(mg/l)	100	88	
		7	Chemical oxygen demand, mg/l, max.	-	221	
		8	Arsenic (as As), mg/l,	0.2	0.13	

		max			
		9 Mercury (as Hg), mg/l, max	-	0.02	
		10 Lead (as Pb), mg/l, max	-	0.5	
		11 Cadmium (as Cd), mg/l, max	-	0	
		12 Total Chromium (as Cr), mg/l, max.	-	0.18	
		13 Copper (as Cu), mg/l, max.	-	>1	
		14 Zinc (as Zn), mg/l, max.	-	0.36	
		15 Nickel (as Ni), mg/l, max	-	0.18	
		16 Cyanide (as CN), mg/l, max.	0.2	BDL	
		17 Chloride (as Cl), mg/l, max.	600		
		18 Fluoride (as F), mg/l, max	-	0.32	
		19 Phenolic compounds (as C6H5OH) mg/l, max.	-	0.51	
		As of 1 st July 2023			
(b)Air	Continuou s 8 hours	PM 2.5: 18 ppm PM 10: 36 ppm SO2: <1 ppm NOX: 8 ppm CO: 4 ppm			Within Standard
		As of 1 st July 2023			

**PART-D
HAZARDOUS WASTES**

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
From Process	NA	NA
From Pollution Control Facilities	NA	NA

**PART- E
SOLID WASTES:**

Solid Wastes	Total Quantity (quintal)	
	During the previous financial year	During the current financial year
a. From process	NA	
b.From Pollution Control Facility	NA	
c.Quantity recycled or reutilised within the unit.	NA	Plastic waste bailed= 1655.60 Mechanical compost = 340.90 Metals = 486.89 Papers = 3798.44 Plastics = 4463.53 Total = 10745.36 qtls = 1074.536 tons = 2.95 TPD

PART-F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Recyclable Wastes are segregated and collected for bailing. The bailed units are transported to other states for recycling process. There are no hazardous wastes produced in the facility. Wet waste are decomposed in a Vermi-Composting Unit while other non-recyclable wastes are dumped in the Land fill Unit.

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

Sl.No	Particulars	Impact
-------	-------------	--------

1	Leachate Management System	Improves the quality of leachate discharge in the environment. Subsequently improves the concentration of pollutants discharged.
2	Maintaining Greenbelt Area	Subsequently improves the quality of air in and around the facility. The air quality of the Centre is within prescribed standards.

PART-H

Additional measures/investment proposal for environmental protection including abatement of pollution.

- Quarterly Monitoring of the Solid Waste Management Centre has been carried out regularly. Reports were submitted to SEIAA Mizoram and IRO Shillong.
- Proposal on Additional Leachate Management System was approved by the AMC Authorities recently. Construction will be carried out soon.
- Proposal on Drainage system for Surface Water (for collection of surface water run-off) was approved by the AMC Authorities recently. Construction will be carried out soon.

PART-I MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution.