ENVIRONMENTAL STATEMENT
FOR THE YEAR 2023-2024

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 31 st 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	NA
(iv)	Year of establishment	10th Dec 2019
(v)	Date of the last environmental statement submitted	5th July 2023

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	2.95 tons per day	5.92 tons per day

** 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)

<table>
<tr><th>Pollutants</th><th>Quantity of Pollutants discharged (mass/day)</th><th colspan="4">Concentration of Pollutants discharged (mass/volume)</th><th>Percentage of variation from prescribed standards with reasons</th></tr>
<tr><td rowspan="9">(a)Water</td><td rowspan="9">500 litres/day</td><td>S. No</td><td>Parameter</td><td>Standards (Mode of Disposal)
Land disposal</td><td>Results</td><td rowspan="9">Within Standard</td></tr>
<tr><td>1.</td><td>Suspended solids, mg/l, max</td><td>200</td><td>170</td></tr>
<tr><td>2.</td><td>Dissolved solids (inorganic) mg/l, max.</td><td>2100</td><td>1250</td></tr>
<tr><td>3</td><td>pH value</td><td>5.5 to 9.0</td><td>7.20</td></tr>
<tr><td>4</td><td>Ammonical nitrogen (as N), mg/l, max.</td><td>-</td><td>43.1</td></tr>
<tr><td>5</td><td>Total Kjeldahl nitrogen (as N), mg/l, max.</td><td>-</td><td>93.2</td></tr>
<tr><td>6</td><td>Biochemical oxygen demand (3 days at 270 C) max.(mg/l)</td><td>100</td><td>87</td></tr>
<tr><td>7</td><td>Chemical oxygen demand, mg/l, max.</td><td>-</td><td>224</td></tr>
<tr><td>8</td><td>Arsenic (as As), mg/l, max</td><td>0.2</td><td>0.15</td></tr>
</table>

		9	Mercury (as Hg), mg/l, max	-	0.01
		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.	-	0.16
		13	Copper (as Cu), mg/l, max.	-	>1
		14	Zinc (as Zn), mg/l, max.	-	0.31
		15	Nickel (as Ni), mg/l, max	-	0.19
		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	-	0.33
		19	Phenolic compounds (as C6H5OH) mg/l, max.	-	0.55
		As of 1st April 2024			
(b)Air	Continuous 8 hours	PM 2.5: 19 ppm PM 10: 38 ppm SO2: <1 ppm NOX: 8 ppm CO: 5 ppm As of 1st April 2024			Within Standard

PART-D
HAZARDOUS WASTES

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

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

PART- E
SOLID WASTES:

Solid Wastes	Total Quantity (Kg)	
	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.	Recycled waste in Quintals Plastic waste bailed = 1655.60 Mechanical Compost = 340.90 Metals = 486.89 Papers = 3798.44 Plastics = 4463.53 Total = 10745.36qtls 2.95 tons per day	Recycled waste in Quintals Plastic waste bailed = 685.35 Mechanical Compost = N.A Metals = 87.60 Papers = 7540.02 Plastics = 13289.21 Total = 21602.18qtls 5.92 tons per day

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 wasted 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.
- Construction of Additional Leachate Management System was carried out.
- Drainage system for Surface Water (for collection of surface water run-off) is under construction.

PART-I
MISCELLANEOUS: