

EXECUTIVE SUMMARY

EIA FOR THE PROPOSED SCHEDULED WASTE (SW 104, SW 110, AND SW 422) RECOVERY AND COPPER & BRASS SCRAP RECYCLING PLANT AT PT 6379, JALAN TECHVALLEY 2/2, KAWASAN PERINDUSTRIAN SENDAYAN TECHVALLEY, DAERAH SEREMBAN, NEGERI SEMBILAN.

PROJECT PROPONENT : MIM COPPER (M) SDN. BHD.

EIA CONSULTANT : HEXAMATICS ENVIRORICH SDN. BHD.

(Coordinates Middle Portion: 02°40'48.8"N , 101°50'14.7"E)

INTRODUCTION & PROJECT DESCRIPTION

The Project Proponent currently operates a secondary melting of **copper scrap and brass scrap** to produce copper rod, copper ingot, and brass ingot at an existing plant at PT 6379. It operates the recycling of copper scrap and brass scrap at a capacity of **2,100 MT/month** and **300 MT/month** respectively. MIM Copper (M) Sdn. Bhd. intend to **expand their operation** with **additional capacity of copper scrap and brass scrap** at the existing plant (PT 6379). The Proposed Expansion will also include **Scheduled Waste Recovery of copper dross (SW 104), printed circuit board & electronic cable (SW 110), cable/wire (SW 422), and oil & coolant contaminated chips (SW 422)**.

STATEMENT OF NEED



Good Accessibility



Land Use Optimization



Job Opportunities



Increase in State Revenue Through Taxes

LEGISLATIVE REQUIREMENT

Environmental Quality (Prescribed Activities)

(Environmental Impact Assessment) Order 2015, First Schedule:

Item 14: Waste Treatment & Disposal;

(a) Scheduled Waste: (i) Construction of recovery plant (off-site)

(iii) Construction of Storage Facility (off-site)

(a) Solid Waste: (ii) Construction of Recovery Plant or Recycling Plant

PROJECT ACTIVITIES

Pre-Construction Activities

- Environmental Studies (baseline sampling, land use survey)
- Surveys

Construction Activities

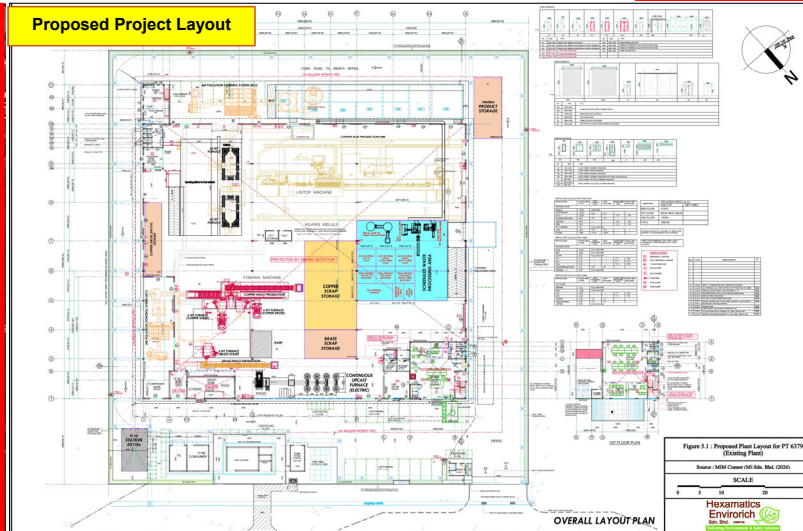
- Mobilization of equipment, workers, and Site Preparation Works
- Equipment installation & Storage area establishment within the existing factory.

Operation Activities

- Recycling of;**
 - Copper Scrap: 4,680 MT/month
 - Brass Scrap: 720 MT/month
- Scheduled Waste Recovery;**
 - SW 104 (Copper Dross): 360 MT/month
 - SW 110 (PCB & Electronic Cables): 60 MT/month
 - SW 422 (Cable & Wire): 150 MT/month
 - SW 422 (Oil & Coolant Contaminated Metal Chips): 150 MT/month



Proposed Project Layout



EXISTING ENVIRONMENT

Topographical Features

The Project Site is located on a flat land which is a well-developed industrial area of the Kawasan Perindustrian Sendayan Techvalley.

Streamflow Pattern

- The drainage pattern of the Project Site and the surrounding area consists of manmade permanent concrete drainage system.
- Surface runoff will be channeled to the existing main drain at the eastern boundary of the Project Site.
- The surface runoff from the main drain will be channeled to the existing detention pond towards the southern portion of the industrial area prior to discharge to Sg. Jijan – will then join Sg. Jimah at about 2.5 km downstream – will then join Sg. Lukut Bear at about 12 km downstream of the main river and finally into straits of Melaka.
- No water intake point downstream.

Geology

The geological unit of the Proposed Project Site and their surrounding area is of the Acid Intrusive Rocks.

Soil

Major soil type of the Project Site & the immediate surrounding is of the Rengam-Jerangau series.

PROPOSED MONITORING PROGRAM

- River Water Quality - Upstream & Downstream of Proposed Plant
 - Class IIB (NWQS) (Quarterly)
- Ambient Air Quality – Quarterly
 - MAAQS (Standard 2020)
- Noise Level - Quarterly
 - The Guidelines for Environmental Noise Limits & Control 2019 (Second Schedule)
- Stack Emission – Continuous (Total PM)
 - EQ (Clean Air) Regulations 2014

Performance Monitoring (PM)

Performance Monitoring for the Project Site will involve emission from the air pollution control system (APCS), i.e., Total PM & NO₂ to comply with EQ (Clean Air) Regulations 2014

Impact Monitoring (IM)

IM will be conducted on case-to-case basis in which there are uncertainties in the long-term impact to the receptors (i.e., workers and nearest sensitive receptor)

Compliance Monitoring (CM)

This includes the assessment and documentation of the compliance with EIA approval conditions

IMPACT ASSESSMENT & MITIGATION MEASURES

Construction Phase	Impact	Mitigation Measure
Plant Renovation Work	Noise Pollution – High noise levels in intermittent spurts	- Renovation work & installation of equipment to be done during daytime only - Machineries maintenance to avoid excessive noise emission
Operational Phase	Impact	Mitigation Measure
Scheduled Waste (SW) & Non – Scheduled Waste Management	- Residual Waste (SW 501) – dust in bag filters - Spillages of SW - Non-recyclable materials	- Storing of the outgoing scheduled waste securely in labeled containers (<i>in accordance with Regulation 8 of the EQ (Scheduled Waste) Regulations 2005</i>). - To be disposed at approved dumpsite.