

PROJECT DESCRIPTION FOR SCOPING (PDS)

Proposed Scrap Recycling Steel Mill

Steel Asia Manufacturing Corporation

Brgy. San Martin, Villanueva, Misamis Oriental

1. BASIC PROJECT INFORMATION

Project Information	
Name of Project	Proposed Scrap Recycling Steel Mill
Location	Brgy. San Martin, Villanueva, Misamis, Oriental
Background and Nature of Project	This Project will be a scrap recycling steel mill for structural shapes and sections with a new generation scrap recycling facility that High Street Manufacturing, Inc. will construct.
Size and Scale	500,000 MTPY rebar 500,000 MTPY scrap recycling plant
Proponent Profile	
Name of Proponent	Steel Asia Manufacturing Corporation
Address	Corporate Office: 2/F B2 Bonifacio High Street, Fort Bonifacio Global City, Taguig
Contact Person and Details of Proponent's Authorized Rep.	Mr. Roberto M. Cola, Vice President +632 8566888
Preparer Profile	
Name of Preparer	Mediatrix Business Consultancy
Address	L29 Joy-Nostalg Centre, 17 ADB Ave., Ortigas Centre, Pasig City
Contact Person and Details of Preparer's Authorized Rep.	Ms. Matilde J. Fernando, General Manager 0917-5064499

2. PROJECT DESCRIPTION

Project Location/Area	<p>The proposed project will be located in Brgy. San Martin. Attached in Annex A is the proposed project location in google map.</p> <p>Shown in Annex B are Plate of project site photographs.</p>
Project Rationale	<p>The steel industry in the Philippines is one of the most significant growth industries. Steel constitutes a basic industry prerequisite in a country's pursuit of development and industrialization. The central role of the industry stems from its linkages with numerous sectors, where its products serve as an essential input to countless uses, such as building and construction, automotive, shipbuilding and repair, electronics, packaging, etc. and it is equally important contributions to employment generation, growth, and promotion of industrial activity, etc. Therefore, ensuring a strong domestic steel and steel-based industry is vital in developing the competitive edge of a country in meeting the challenges of globalization.</p> <p>The Project is also envisioned because of the following objectives:</p> <ul style="list-style-type: none">• Import substitute: The project will manufacture products which are currently 100% imported.• Job creation: The project will create an estimated 700 jobs plant based and 3,500 outside of the plant.• Economic value preservation: Ensure that economic gains remain in the Philippines or the locale of the mill.• Ensure product quality: Substitution of imported substandard steel with locally produced high quality products.

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<p>Project Components List</p>	<p>Main equipment:</p> <ul style="list-style-type: none"> • Electric Arc Furnace • Ladle Furnace • Continuous Casting Machine • Reheating furnace • Rolling train • Block mill • Quenching • For Rebar: • Cooling bed • Bundling • For Wire Rod: • Laying Head • Cooling Conveyor • Bundling <p>Ancillary equipment:</p> <ul style="list-style-type: none"> • Water treatment plant • Rainwater collection reservoir • Compressed air • Power substation • QA laboratory • Roll shop <p>Provided in Annex C is the proposed Site Development Plan showing the project components.</p>
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Project Phases, Key Environmental Aspects, Wastes, Issues, Built-in Measures

Major Activities Description / Details key environmental aspects or activities	Potential Impact, Nature and estimate of Major Emissions	Impact Mitigation, Built-in management measures and facilities planned
Preconstruction Phase		
Land	Land use compatibility	Secure reclassification of land use to industrial in parallel with ECC acquisition
Construction Phase		
Generation of domestic waste	Contamination of water quality	Provision of septic tanks and implementation of septage management
Use of domestic water	Water resource use competition	Deep well or water supply from utilities will be used for domestic purposes only
	Deterioration of water quality	Zero effluent discharge Regular water quality monitoring
Construction of the steel mill complex including rainwater reservoir and wastewater treatment	Air emission (TSP, PM10, PM2.5, SOX, NOX) and noise pollution from construction equipment and vehicles	Limiting construction deliveries during night time Proper maintenance of construction equipment Good house keeping Dust management, i.e. water sprays/sprinklers
		Damage / impacts to

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	mangrove areas	
Operations Phase		
Storage, handling and transport of steel billets	Health and safety hazards	<ul style="list-style-type: none"> • Health and safety policies • Employee safety inspections and toolbox meetings • Regular APE • Use of PPEs • First aid training
Rebar operation	Generation of dust and air emissions	Provision of dust management system and compliance with RA 8749 standards
	Generation of mill scales	Scales are collected and to be exported for recycling in sinter plants
	Generation of EAF dust and slags	Dust collection will be undertaken and will be stored and sealed in tonner bags and placed in the hazardous storage facility. Disposal methods include local disposal through DENR-accredited TSD facility and/or being exported for recycling after stabilization
	Generation of hazardous wastes such as used oil, busted bulbs and contaminated rags and gloves	<ul style="list-style-type: none"> • Used oil will be collected, transported and treated through an accredited TSD facility. • Busted Fluorescent Bulbs will be properly stored in accumulation until there is sufficient inventory for proper disposal through an accredited TSD facility. • Contaminated rags and gloves are stored in accumulation until there is sufficient inventory for proper disposal through an accredited TSD facility.
	Water pollution	Zero effluent
	Damage / impacts to mangrove areas	Zero effluent; adoption of mangrove area as part of CSR
	Noise pollution	<ul style="list-style-type: none"> • Training on proper equipment use and speed • Use of enclosures, barriers, and buffer zones
	Employment generation	Preference will be given to qualified residents of Brgy. San Martin
	Increase in economic opportunities through associated incomes and taxes	These are predominantly positive effects, no mitigation measures necessary.
Storage, handling and transport of rebars	Health and safety hazards (e.g. heat and hot liquids)	<ul style="list-style-type: none"> • Health and safety policies • Installation of proper ventilation • Implementation of safety buffer zones to separate areas where hot materials are handled and stored • Employee safety inspections and toolbox meetings • Regular APE • Use of PPEs

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		<ul style="list-style-type: none">• First aid training
	Traffic and road accidents	Implementation of Traffic Management Plan and provision of proper road signage's
<i>Abandonment Phase</i>		
Removal of wastes and oil spills if any Removal of all equipment, Actual rehabilitation	Change in land use Loss of jobs and community programs	<ul style="list-style-type: none">• Grading and drainage stabilization works• Soil conditioning and planting of endemic species or reforestation• Retrenchment package• Labor support programs
Manpower	Within plant: 700 approx. Outside plant: 3500 est.	
Project Cost and Duration	Php 10 billion. As soon as the ECC is issued local permits will be secured and land development as well as construction will commence.	
LIST OF ANNEXES		
Annex A: Location Map		
Annex B: Plate of Project Site Photographs		
Annex C: Site Development Plan		