Environmental Impact Statement (EIS) Executive Summary for the Public

A. DESCRIPTION OF THE PROJECT

INFORMATION ABOUT THE PROJECT

Name of the Project : ROLLING MILL PROJECT
Location of the Project : Barangays Sacsac and Tutay, Municipality of Pinamungajan, Province of Cebu
Type of the Project : Rolling Project

PROJECT COMPONENTS:

The project is composed of Heating Furnace, Rolling machines and Shearing machines, Quarters/Barracks, Office Building, Control Room, Transformer, Warehouses (Raw Materials and Finished Products), Air Pollution Control Device (Smoke Stack and Exhaust), Cooling Water Pond, Parking and Buffer Zone with Annual Production Capacity of 2,000,000 Metric Tons in a land area of 4.1256 hectares.

Table 1. Project Components

Facilities	Project Components		
	No. of units	Area (sq.m)/ Capacity	Specification/ Description/ Remarks
Project Capacity	**6,000 MT/day; 180,000 MT/month ; 2,000,000 MT/yr**		
Project Area	**4.1256 has**		
Building Footprint	**2.380 has**		
MAJOR COMPONENT			
Heating Furnace	4	80 tons per hour	This is used to feed the billet metals to the heating furnace at 1050^0C
13 Continuous Rolling Units	13	10,000 sq.m.	The project involves 13 continuous rolling units to achieve the desired deformed bar sizes
Pre-Finishing and Finishing Unit	4	5,000 sqm	This is the area allotted for pre-finishing to finishing products
Pinch Roller Unit	4	3,000 sq.m	Pinch Roller is used to accelerate the speed of the hot produce in the rolling mill plant. ... For holding the rolling stock, so that the **rolling** stock to maintain a certain tension and stable forward transportation
Warehouse or Storage Area	2	5,000 sqm	This serves as the area for raw materials and finished products
Power and Transformer	1	30 MVA	The sub-station is connected to the Transformer for continuous supply of power
Control Room	2	Cabinet type	This area is provided to have a centralize power and control system during operation.
Stand-by Genset	1	800 KVA	To be used in case of power interruption
SUPPORTING FACILITIES AND UTILITIES			
Admin Support (Office Buildings, and Barracks/ Quarters etc.)	NA	NA	With common admin and support facilities for the complex development of Century Peak Corporation
Water Supply	-	10.0 cu.m/day	Domestic Water Requirement to be supplied by Pinamungajan Water District

Water Supply for the Plant	1	2,580 cum	This shall be contained in a water pond or reservoir, rainwater and possible use of groundwater
Drainage System	NA	RCP	Properly designed surface run-off thru construction of drainage system to divert to the centralized rainwater collection
Road	NA	NA	With common admin and support facilities for the complex development of Century Peak Corporation
POLLUTION CONTROL FACILITIES			
Smoke Stack	4	15 meter height	The plant shall be provided with smoke stack for recuperation process during the billet heating
Water Pond or Reservoir	1	2,580 cum	Water cooling system shall be provided and supplied to the machines to regulate and control temperature of furnace.
Solid Waste Management Facility (MRF)	NA	NA	With common for the complex development of Century Peak Corporation
Toxic and Hazardous Waste Facility	NA	NA	With common admin and support facilities for the complex development of Century Peak Corporation
Domestic Wastewater Management Facility	NA	NA	With centralized Treatment Facility within the CPC Project
Buffer Zone	NA	NA	With common for the complex development of Century Peak Corporation

SIZE OF THE PROJECT

The project is located in a private and titled property with a total land area of 4.1256 hectares and with a total production capacity of 2,000,000 Metric Tons per year.

ALTERNATIVE PROCESS/TECHNOLOGY

Siting: The proposed rolling mill is located in a private property, no alternative is being considered in terms of site location since land development and earthmoving has already been started. The location is within the Industrial Zone based on the land use map of the Municipality of Pinamungajan. No other siting locations were considered for the proposed cement, power and steel processing projects due to the fact that the site is not susceptible to any form of natural hazards such as liquefaction, earthquake and rain-induced landslides, volcanic eruptions, storm surges, tsunami, and flooding.

Technology Option and Design: The project adopts the latest technology that requires lower power consumption, in effect lowers the electricity cost and minimizes the emission of air pollution compared to the gas fired technology which causes heavy pollution and requires high energy or power cost. Flue gas or smoke are expected during the heating process but will be mitigated thru recuperating the heat air to smoke stack and will pass thru smoke exchanger. This process was considered, due to its low installation cost, operating cost and management effectiveness, and where both are economically and technically reasonable. Since the technology involves dry process, recirculation process of zero- discharge during the process shall be implemented, but requires volume of water thru provision for underground water to serve as cooling water system.

The preparation of the environmental management and its implementation during construction and operation phase shall be strictly implemented by the company in order to minimize the possible impact to the environment. The following impact management plan is being prepared in all phases of the project:

Table 2 Summary of Impacts and Proposed Mitigation

POTENTIAL IMPACTS	PROJECT PHASES	MITIGATING MEASURES	RESIDUAL EFFECTS
LAND			
Land Use and Classification			
Compatibility of Land Use	Pre-Construction	Municipal Resolution was secured	Consistent with the Land use of the Municipality
Contamination and aesthetics due to generation of Solid and Hazardous Waste caused by improper management	Construction Operation Abandonment	Proper implementation of RA 9003 "Ecological Solid Waste Management Act of 2000" and RA 6969 "Toxic Substances and Hazardous and Nuclear Wastes Control Act No. 6969 of 1990	Minimize the volume of solid wastes. Properly managed, labelled and segregated hazardous wastes.
Geology and Geomorphology			
Loss of Vegetation Cover	Construction	Re-greening and landscaping of open areas	Aesthetics and contributes to climate change.
WATER			
Hydrology			
Contamination of Surface Water Quality	Construction Operation	Immediate compaction and sprinkling of water in open areas Operational water-cooling pond system. zero discharge.	Prevents possible siltation. No possible generation of wastewater and properly maintained machines and maintains temperature
Depletion of Water Source due to over extraction of groundwater	Operation	Implement downspout collection of rainwater and zero discharge. Reuse and recycle	Continuous supply of water and allow to recharge
AIR AND NOISE			
Air Quality			
Dust Pollution	Construction	Sprinkling of water in open areas especially during summer or dry months. Regular maintenance of equipment such as change oil, etc.	Mitigates possible emission of dust.
Smoke	Operation	Installation smoke stack with recuperating process Regular maintenance of machines, equipment, standby genset and vehicles.	Lessen smoke and avoid possible complaints and compliant to DENR NAAQGV for Criteria Pollutants Prevents emission of smoke and maintains the temperature of the building
Increase in Noise Level	Construction Operation	Regular maintenance of equipment such as change oil, and tune-up, etc. With properly installed	Minimize the vehicle sound Minimize health

		noise barrier and operation should be confined in an enclosed building	issues and complaints from neighbor.
PEOPLE			
Health Issues			
Positive impact on employment generation and livelihood	Construction Operation	Priority for local hirees – for Barangays Sacsac and Tutay Assistance to livelihood programs of the LGUs and implement Social Development Plan (SDP) in accordance to the LGU plan.	Improves the economic life of the community and prevents conflicts with the barangays
Land	Abandonment	Removal of temporary facilities	Improves aesthetics

RESOURCE MATERIALS

I. Water Source

The water source for the project shall be provided by Pinamungajan Water District for the domestic use with provision for underground water source or deep well and rainwater collection harvesting during the operation phase. Source for the cooling water shall be provided by means of water collection pond.

II. Power Source

The power requirement of the reheating to rolling mill project will be supplied by its own power plant project with provision for Sub-Station thru the Cebu Electric Cooperative (CEBECO).

In case of power interruption, the project shall be using a 500 KVA standby genset as power source. The generator shall be using a diesel fuel.

RESOURCE ALTERNATIVES

The proponent considered the site based on the compatibility of land use plan of the Municipality which is within an Industrial Zone, therefore no alternative considered for the proposed project as this is within the complex development of Century Peak Corporation. Technology option considered use of Heating Furnace for its efficiency, low cost and less noise with recuperating process for less energy consumption.

B. LOCATION OF THE PROJECT

The project is located in Barangays Sacsac and Tutay, Municipality of Pinamungajan, Province of Cebu.

C. PROJECT PROPONENT

Name of the Company : CENTURY PEAK STEEL MANUFACTURING CORPORATON
Office Address : 14th FLOOR, BANCO DE ORO (BDO) EQUITABLE BANK, PASEO DE ROXAS STREET, MAKATI CITY
Authorized Representative : WILFREDO KENG - PRESIDENT
PATRICIA KENG - EXECUTIVE VICE PRESIDENT
KATRINA KENG - CORPORATE SECRETARY
ENGR. GERALD CABIZARES – OPERATIONS MANAGER

D. PROJECT IMPLEMENTATION TIMETABLE

Table 3 – Timetable of the Project

	YEAR	START	FINISH
Secure all permit	2019	DENR-EMB CENTRAL OFFICE– for the ECC LGU-with Business Permit	End of 2019
Construction Phase	2019-2020	Land development completed, with completed foundation works	End of 2020
Operation Phase	2020	Fourth quarter of 2020	Long term

E. IMPACT AREA

The Delineation of Direct Impact Area (DIA) and Indirect Impact Area (IIA) followed the provisions under Section 10, of DENR Administrative Order (DAO) 2017-15

The EIA Study area focused on the Direct Impact Area (DIA) of the project area in 4.1256 hectares identified as the People from Barangays Sacsac and Tutay, were considered for Information Education Campaign (IEC) and perception survey and the complex development of Century Peak Corporation such as the Cement Plant and Power Plant Projects were considered for Air Sampling, and Kadlom River for surface sampling which is about 1.3 km aerial distance.

F. IDENTIFIED STAKEHOLDERS

Public Participation for the Information Education Campaign (IEC) in a form of General Assembly and Consultation was conducted prior to the conduct of the Public Scoping all in accordance to DAO 2017-15. Based on the results of the Information Education Campaign (IEC), the identified stakeholders were LGU-Province of Cebu, Municipality of Pinamungajan, Barangays Sacsac and Tutay, Community and Stakeholders, Institutions (School and Church), Peoples Organization, Industry such as Piggery Farm.

G. OTHER ADDITIONAL INFORMATION

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