Public Scoping Presentation

MINAHANG BAYAN NG ALBOR COOPERATIVE

Barangay Bayanihan and San Jose
Municipality of Libjo
Province of Dinagat Islands

Venue :
Ken Michael Chapter,
Barangay General Aguinaldo,
Municipality of Libjo,
Province of Dinagat Islands

Date and Time : Tentative
February 23, 2019 @ 10:00 AM

OUTLINE OF TOPICS

1. Company Profile
2. What is ECC?
3. Project Description and Components
4. Project Rationale
5. Environmental Impacts and Mitigation Plan
    a. Pre-Construction Phase
    b. Construction Phase
    c. Operational
    d. Abandonment

Company Profile

COMPANY PROFILE

Project Name: Barangay Bayanihan and San Jose Nickel Project
Company Name: Minahang Bayan ng Albor Corporation
Address: Purok 2, Sta Cruz, Municipality of San Jose
Mine Site: Barangay San Jose & Barangay Bayanihan
Date of Approval : August 17, 1993
Date signed : May 11, 1994
Mineral Commodity : Nickel, Chromite, etc.

COMPANY PROFILE

Contact Persons/ Designation:

Head Office: ROLANDO L. VILLAPANDO
President & Chairman of the Board
Mobile No. 09495769656

Mine Site: Armando D. Javellana, DPA
Vice President Operation
Mobile No. 09156336904/09463478073
Email armandojavellana70@gmail.com

MPSA No. : 028-94-X (SMR)

PD 1586

The environmental Impact Assessment (EIA) System in the Philippine officilly referred to as Philippine Environmental Impact Statement System (PEIS System) was established uder PD 1586 on June 11, 1978

Section 4 of PD 1856 provides that partnership of corporation shall undertake or operate such declared environmentally critically project (ECP) or environmentally critical area (ECA) without securing a Environmental Compliance Certficate (ECC)

PD 1151-Phil. Environmental Policy

PRESIDENTIAL DECREE No. 1151 section 4 of Environmental Impact Statement (EIS)

Before an Environmental Impact Satement is issued by a lead agency, all agencies having jurisdiction over or special expertise on the subject matter involve shall comment on the draft environmental impact statement made by the lead agency within Thirty (30) days from receipt of the same.

ENVIRONMENTAL COMPLIANCE CERTIFICATE (ECC)

An Environmental Compliance Certificate (ECC) is a document that may be issued after thorough review of the EIA Report

It certifies that the proposed project has completed with the requirements of the EIS System and the proponents has committed to implement its approved Environmental Management Plan (EMP) to address the environmental practice.

PROJECT DESCRIPTION AND COMPONENT

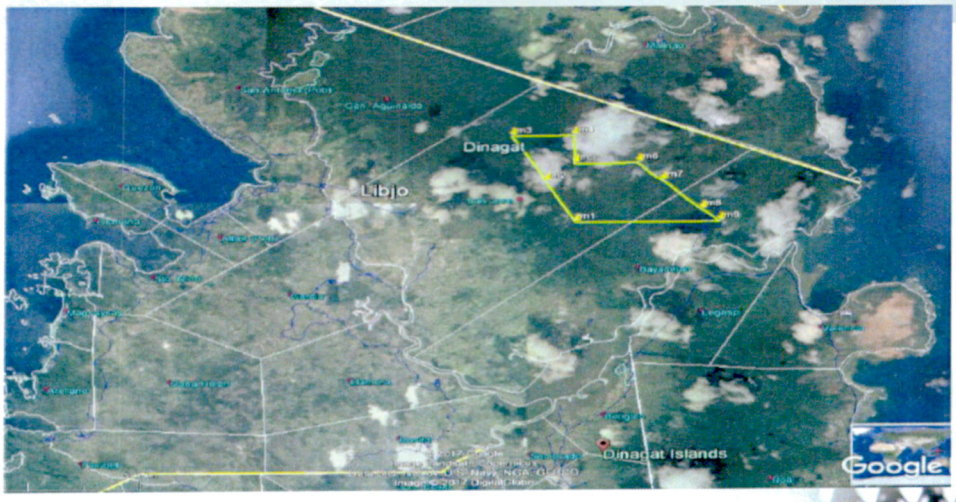
Location

The project site is within Parcel II of Surigao Mineral Reservation located at Brgy Bayanihan and San Jose, Libjo, Dinagat Islands Province. It is described by following geographical coordinates:

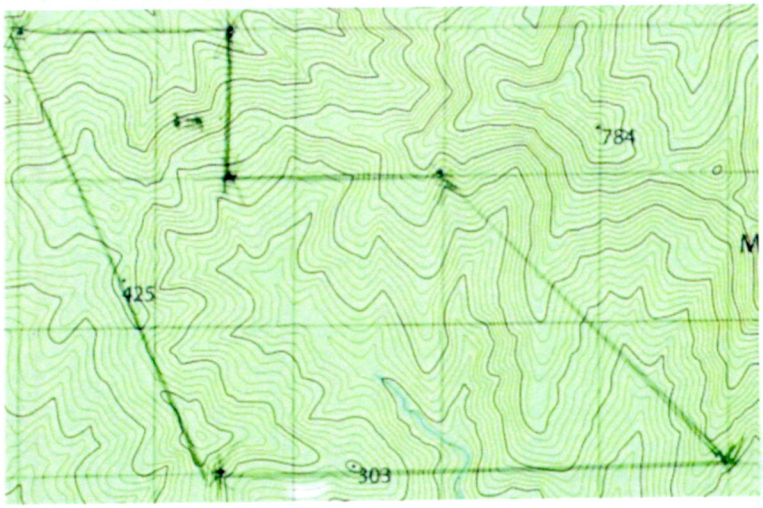
CORNER	LATITUDE	LONGITUDE
1	10° 11'30"N	125° 36'15"E
2	10° 13'00"N	125° 35'30"E
3	10° 13'00"N	125° 36'15"E
4	10° 12'30"N	125° 36'15"E
5	10° 12'30"N	125° 37'00"E
6	10° 11'30"N	125° 38'00"E
Area	570 hectares	

VICINITY MAP OF MBAC

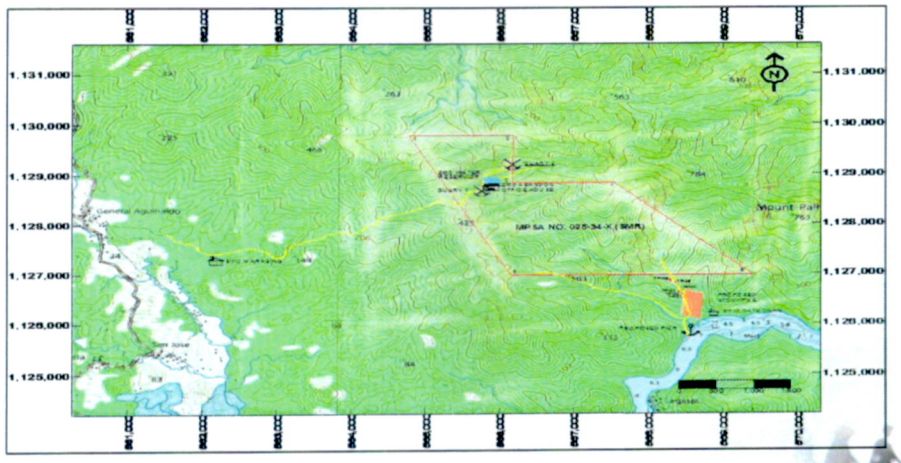
VICINITY MAP PLAN



MBAC SKETCH PLAN



TOPO MAP



ENVIRONMENTAL IMPACT AND MANAGEMENT PLAN

PRE-CONSTRUCTION

CONSTRUCTION

OPERATION

ABANDONMENT

I. THE LAND

II.THE WATER

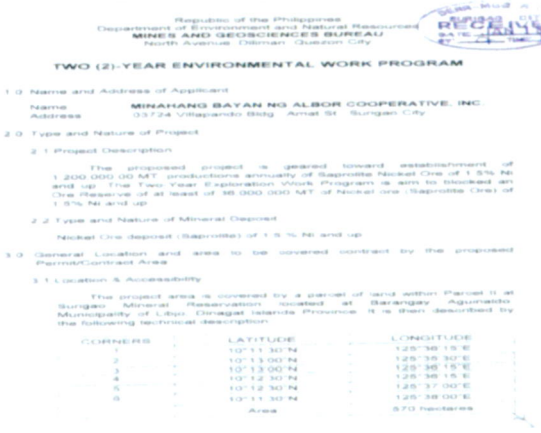
III. THE AIR

IV. THE PEOPLE

PRE-CONSTRUCTION PHASE

- **Environmental Studies**
- **Preparation of Development Plan**
- **Acquisition of required development permits, e.g. ECC, locational clearance, etc.;**
- **Right of way clearing and boundary survey**

ENVIRONMENTAL STUDIES



Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
North Avenue, Diliman, Quezon City

RECEIVED
DATE: JAN 11 2017

TWO (2)-YEAR ENVIRONMENTAL WORK PROGRAM

1.0 Name and Address of Applicant

Name: **MINAHANG BAYAN NG ALBOR COOPERATIVE, INC.**
Address: 03724 Villapando Bldg., Arnal St., Surigao City

2.0 Type and Nature of Project

2.1 Project Description

The proposed project is geared toward establishment of 1,200,000.00 MT. productions annually of Saprolite Nickel Ore of 1.5% Ni and up. The Two Year Exploration Work Program is aim to blocked an Ore Reserve of at least of 96,000,000 MT of Nickel ore (Saprolite Ore) of 1.5% Ni and up

2.2 Type and Nature of Mineral Deposit

Nickel Ore deposit (Saprolite) of 1.5 % Ni and up

3.0 General Location and area to be covered contract by the proposed Permit/Contract Area

3.1 Location & Accessibility

The project area is covered by a parcel of land within Parcel II of Surigao Mineral Reservation located at Barangay Agunaldo Municipality of Libjo, Dinagat Islands Province. It is then described by the following technical description

CORNERS	LATITUDE	LONGITUDE
1	10°11'30"N	125°36'15"E
2	10°13'00"N	125°35'30"E
3	10°13'00"N	125°36'15"E
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	Area	570 hectares

CONSTRUCTION PHASE

Major activities of this project include land development/ clearing, installation of basic features such as drainage system, water supply, power, telecommunication, and the construction of the facilities and utilities.

The Land

Issues and Mitigation

SOLID WASTE

Generation of solid construction wastes

Strict implementation of Solid WasteManagement Act which include waste segregation, re-use and recycling and waste audit along construction waste streams.Contractors shall remove and dispose properly all debris and excess material.

SOLID WASTE

Accumulation of domestic solid waste in the form of used paper, cans, bottles and food refuse

Contractors must provide Material RecoveryFacility to utilize proper sanitation and good housekeeping.Contractors shall formulate guidelines on garbage disposal and impose penalty to any workers who dispose solid waste indiscriminately.Provision of proper storage for raw materials.Proper coordination with the City garbage collection system for prompt removal of garbage from site.Daily ocular inspection of the garbage bins.

HAZARDOUS WASTE

Generation of special wastes or householdhazardous wastes

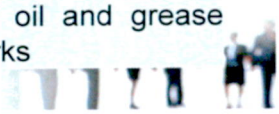
Generation of used oil and grease from the equipment and vehicles

Oil and grease spills from heavy equipment and vehicles

Provide hazardous waste storage room for proper handling and disposal of hazardous waste materials in accordance with RA 6969

Hazardous wastes will be collected in containers for protection from spillage during storage and transport while an open top metal drum will be used for other types of hazardous wastes

.Labeled containers/ drums will be brought to a qualified waste facility for proper disposal or recyclin accredited by DENR.Collection of oil and grease during maintenance works



CONSTRUCTION PHASE

The Water Issues and Mitigation

WATER QUANTITY AND QUALITY

Environmental Impacts	Options for Prevention or Mitigation or Enhancement
Increased water demand	Implement water conservation by educating the workers
Possible contamination (i.e. coliform level) of nearest water body to domestic wastes	Provide/ build temporary/ portable toilet facilities with septic tank for workers and implement proper waste disposal procedures Provide grease trap/ oil and water separator for food wastes

FLOODING/SILTATION

Siltation and turbidity of receiving drainage lineand water body	Drainage system will be provided with silt trap sothat construction debris/ waste that will be generated in the construction site will not clog up that might cause flooding in the area. Silt trap minimizes siltation.Installation of perimeter fence to avoid surface run-off along the street.To avoid scattering of mud there should be a designated wash bay area for vehicle.Stockpile aggregates properlyRegular cleaning of canals.Earthwork activities would also be scheduled during low precipitation periods. Proper work scheduling to hasten excavation works.Exposed surfaces will be cemented or landscaped to stabilize the soil.

THE CONSTRUCTION PHASE

The Air
Issues and Mitigation

DUST GENERATION

Generation of dust/ debrisIn Increase in TSP level

Regular watering of on-site construction area areexpected to limit fugitive dust levels to acceptable levels.Constructing perimeter fences around the construction site to serve as windbreakers or barriers.Proper work scheduling of cut-and-fill of the ground to hasten this activity and lessen the exposure of the earth materials to wind and rainfall.Use of canvass covers for delivery trucks.Ensure that the transport vehicles moving around the construction site are regulated to minimum.

AIR QUALITY

Increase of TSP, NOx, SOx levels at theconstruction site

The equipment that will be brought to and usedin the construction site has to be in good working condition.Proper maintenance of genset and other equipment should be implemented to help reduce the level of SOx and NOx emission and reduce fuel consumption.Limit the movement of vehicles in the area through the assistance of traffic enforcer.Schedule delivery of construction materials during non-peak hours.Assign unloading and loading area for deliveries.

NOISE QUALITY

Possible excessive noise generation

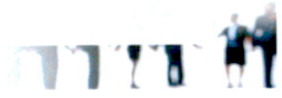
Construct temporary fence to acts as barriers andto confine noise within the project area.Equipment should be properly maintained to minimize noise emissions.Use of mufflers on equipment mounts to lessen the noise produce.Proper scheduling of works to avoid the elevated cumulative noise impact.

CONSTRUCTION PHASE

The People Issues and Mitigation

HEALTH AND SAFETYGENERATION

Environmental Impacts	Options for Prevention or Mitigation or Enhancement
Safety of workers and passersby	Strict implementation of construction Safety Rulesand Regulations.Appointment of Safety Engineers and Project Nurse.Provide first aid center, medical and emergency kits within the job site.Provision of Personal Protective Equipment (PPE) to the workers.Post warning and safety reminders signs at strategic areas.Provide fire extinguishers and safety nets at job site.Conduct seminars on environmental management and monitoring.Provision of construction fence with lighted canopy and safety net around the project site for the falling debris.



HEALTH AND SAFETY

PEACE AND ORDER

Probable disturbance of peace and order

Strict implementation of No gambling anddrinking policyAssign roving guards at night.Imposed disciplinary measuresCoordination with barangay and police

TRAFFIC

Environmental Impacts	Options for Prevention or Mitigation or Enhancement
Increase in traffic volume	Traffic Management Plan will be implemented to have asmooth flow of traffic.Delivery of construction materials will be schedule during off-peak hours to minimize impactHauling of cut soil and construction waste by dump trucks would be scheduled to minimize impact on vehicular flow.Coordination with local authorities on traffic management.Traffic control devices such as barricades, cones, blinkers shall be used to guide or channel traffic.The arrangement of traffic control devices used to stop or channel traffic (barricades, cones, blinkers) shall be periodically inspected to ensure that the devices are in good condition.Caution, warning and construction information warning signs will be displayed as appropriate to warn or inform vehicle traffic passing along the roadways near the construction site.

SOCIO-ECONOMIC

Increase in Job and Business OpportunitiesAdditional Income and Benefit to the Local Government	**Qualified skilled worker from the affectedcommunity will be given priority to be hiredPurchased construction materials, which can be supplied by business enterprises in Bacolod City and adjacent citiesSecure and pay necessary business permits and clearances to the LGU. LGU shall directly benefit from the project due to the additional fees that would be collected from taxes and additional revenues from licenses and permits from various commercial establishments within the project site.Attract new investors and expected to create more new businesses to be developed in the area resulting to increase in property value.**

OPERATIONAL PHASE

The proposed project will be MINAHANG BAYAN NG ALBOR, Barangay Bayanihan and San Jose, Municipality of Libjo, Province of Dinagat Islands

SOLID WASTE GENERATION

There will be daily monitoring of the solid waste by the assigned maintenance personnel to check whether the segregated wastes are brought to their designated containers

WEAR AND TEAR OF LANDSCAPE

Continuing maintenance and development of green areas, and landscaped areas.

INCREASE DEMAND FOR WATER SUPPLY

- Provision of domestic water tank, fire water reserved and an underground water tank
-

GENERATION OF DOMESTIC WASTEWATER

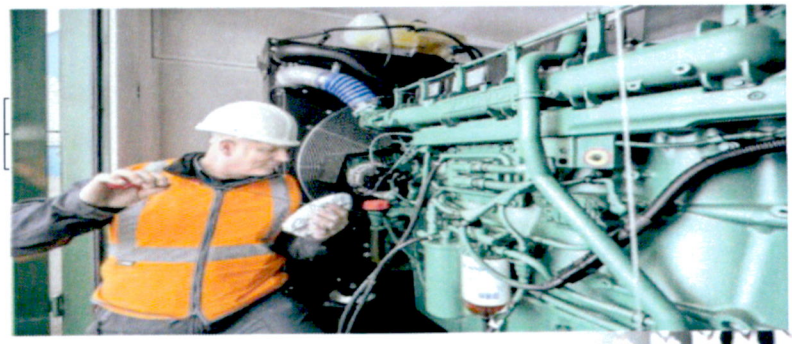
Provide grease trap/ oil and water separator for food wastes

Provision for centralized sewage treatment facility to cater the locators of MBAC

EMISSION OF CO, SO2, NO2 FROM USE OF GENSET

- Regular monitoring and maintenance of the generator set shall be implemented by the administration personnel

Secure Permit to Operate for Genset.



NATURAL HAZARDS, POSSIBLE BOMB THREATS AND OTHER CRIMINAL ACTIVITIES

ABANDONMENT PHASE

After the completion of the land development, abandonment is not foreseen for this type of project except for the abandonment of the temporary facilities used during construction.

The General Contractor will free the site from construction debris and temporary structures such as bunk houses, stockrooms, toilets, etc.

OPEN FORUM

THANK YOU