

## PROJECT FACT SHEET

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|--|--|
| <b>Project Proponent</b>                             | JDVC Resources Corporation   |
| <b>Office Address</b>                                | Unit 504 Galleria Center, EDSA corner Ortigas Avenue, Barangay Ugong Norte, Quezon City 1110, Metro Manila   |
| <b>Contact Person</b>                                | Mr. Louis Santos<br>VP – Engineering, Exploration, Research and Development<br>Mobile Number: 0926.677.0598<br>Email Address: <a href="mailto:louistsantos@jdvcresources.com">louistsantos@jdvcresources.com</a>   |
| <b>Authorized Representative for ECC Application</b> | Mr. Joel A. Espineli<br>Philkairos, Inc.<br>JE Business Center,<br>Pinesville Road corner Ortigas Avenue Extension<br>Taytay, Rizal 1920<br>Telephone Number: (02) 706-4008 / (02) 727-9005<br>Email Address: <a href="mailto:admin@philkairos.com">admin@philkairos.com</a> |
| <b>Project Name</b>                                  | Proposed Expansion of Extraction Volume of the Cagayan Offshore Magnetite Mining Project   |
| <b>Project Location</b>                              | Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan  |
| <b>Project Type</b>                                  | Resource Extractive Industry (Magnetite Extraction)  |
| <b>MPSA Number</b>                                   | 338-2010-II-OMR  |
| <b>Project Area</b>                                  | 1,902.5939 hectares (Gonzaga)<br><u>3,096.6419 hectares (Buguey and portion of Aparri)</u><br><b>4,999.2358 hectares (TOTAL)</b>   |
| <b>ECC Reference Number</b>                          | ECC-CO-1409-0021 (issued May 20, 2016)   |
| <b>ECC Application</b>                               | For ECC Amendment  |

## BRIEF PROJECT BACKGROUND

JDVC Resources Corporation (hereinafter referred to as the “**Company**”) holds a Mineral Production Sharing Agreement (MPSA No. OMR 338-2010-II) with the Republic of the Philippines for a 14,240-hectare mining area. The Company has a Partial DMPF mining concession and commercial extraction of minerals like magnetite iron sand, titanium, vanadium and other valuable minerals with a life of 25 years and renewable for another 25 years.

MPSA-338-2010-II-OMR was approved on June 2010 as a contract between the Republic of the Philippines and Bo GO Resources Mining Corporation (Bo Go). It was transferred to JDVC Resources Corporation by Bo Go on November 25, 2011 by virtue of a Deed of Assignment. The Deed of Assignment was duly registered with MGB Region II, Tuguegarao City, Cagayan on January 27, 2012 and was duly approved by Department of Environment and Natural Resources (DENR) Secretary.

The Environmental Compliance Certificate (ECC-CO-1409-0021) was issued to JDVC for its proposed “Cagayan Offshore Magnetite Mining Project” covering the 4,999.2358-hectare area of MPSA No. 338-2010-II-OMR-Amended A located in Gonzaga, Buguey and Aparri, Cagayan, allowing a maximum production rate of 1.3 million dry metric tons of magnetite iron sand concentrate per annum last May 20, 2016.

The Mines and Geosciences Bureau (MGB) approved the Declaration of Mining Project Feasibility (DMPF) for the said 4,999.2350-hectare area of MPSA No. 338-2010-II-OMR-Amended A, thereby, authorizing JDVC to proceed to the Development and Operating Periods, including extraction and

commercial disposition of magnetite sand and other associated minerals, subject to compliance with certain conditions.

## PROJECT LOCATION AND AREA

MPSA Number 338-2010-II-OMR containing an area of 14,240 hectares is located 14-15 kilometers offshore of the municipalities of Sanchez Mira, Pamplona, Abulug, Ballesteros, Aparri, Buguey and Gonzaga in the Province of Cagayan (as shown in **Figure 1**). **Table 1** shows the technical description of the whole MPSA area while **Table 2** shows the technical description of the partial DMPF area of the company (as shown in **Figure 2**).

**Table 1: Technical Description of the whole MPSA Area**

| Corner                      | Northing       | Easting         |
|-----------------------------|----------------|-----------------|
| 1                           | 18° 42' 34.56" | 121° 13' 26.76" |
| 2                           | 18° 33' 39.60" | 121° 29' 45.96" |
| 3                           | 18° 31' 01.20" | 121° 40' 18.48" |
| 4                           | 18° 26' 36.24" | 121° 53' 32.28" |
| 5                           | 18° 27' 42.84" | 121° 58' 06.24" |
| 6                           | 18° 26' 57.48" | 121° 58' 31.44" |
| 7                           | 18° 25' 35.04" | 121° 53' 36.96" |
| 8                           | 18° 30' 14.40" | 121° 40' 04.44" |
| 9                           | 18° 32' 53.16" | 121° 29' 37.68" |
| 10                          | 18° 36' 30.96" | 121° 22' 01.20" |
| 11                          | 18° 41' 51.36" | 121° 13' 14.52" |
| Area = 14,240.0000 Hectares |                |                 |

**Table 2: Technical Description of JDVC's Partial DMPF Area\***

| Corner   | Northing       | Easting                    |
|--|----------------|----------------------------|
| <b>Parcel A: Gonzaga</b>                       |                |                            |
| 1  | 18° 26' 03.97" | 121° 52' 12.97"            |
| 2  | 18° 27' 02.73" | 121° 52' 13.07"            |
| 3  | 18° 26' 36.24" | 121° 53' 32.28"            |
| 4  | 18° 26' 42.84" | 121° 58' 06.24"            |
| 5  | 18° 26' 57.48" | 121° 58' 31.44"            |
| 6  | 18° 26' 35.04" | 121° 53' 36.96"            |
| Area =   |                | <b>1,902.5939 hectares</b> |
| <b>Parcel B: Buguey &amp; Aparri (portion)</b> |                |                            |
| 1  | 18° 31' 18.52" | 121° 35' 51.60"            |
| 2  | 18° 31' 33.40" | 121° 35' 51.60"            |
| 3  | 18° 30' 27.90" | 121° 40' 08.49"            |
| 4  | 18° 29' 03.79" | 121° 44' 23.28"            |
| 5  | 18° 29' 36.56" | 121° 44' 33.07"            |
| 6  | 18° 27' 02.73" | 121° 52' 13.07"            |
| 7  | 18° 26' 03.97" | 121° 52' 12.97"            |
| 8  | 18° 30' 14.40" | 121° 40' 04.44"            |
| Area =   |                | <b>3,096.6419 hectares</b> |

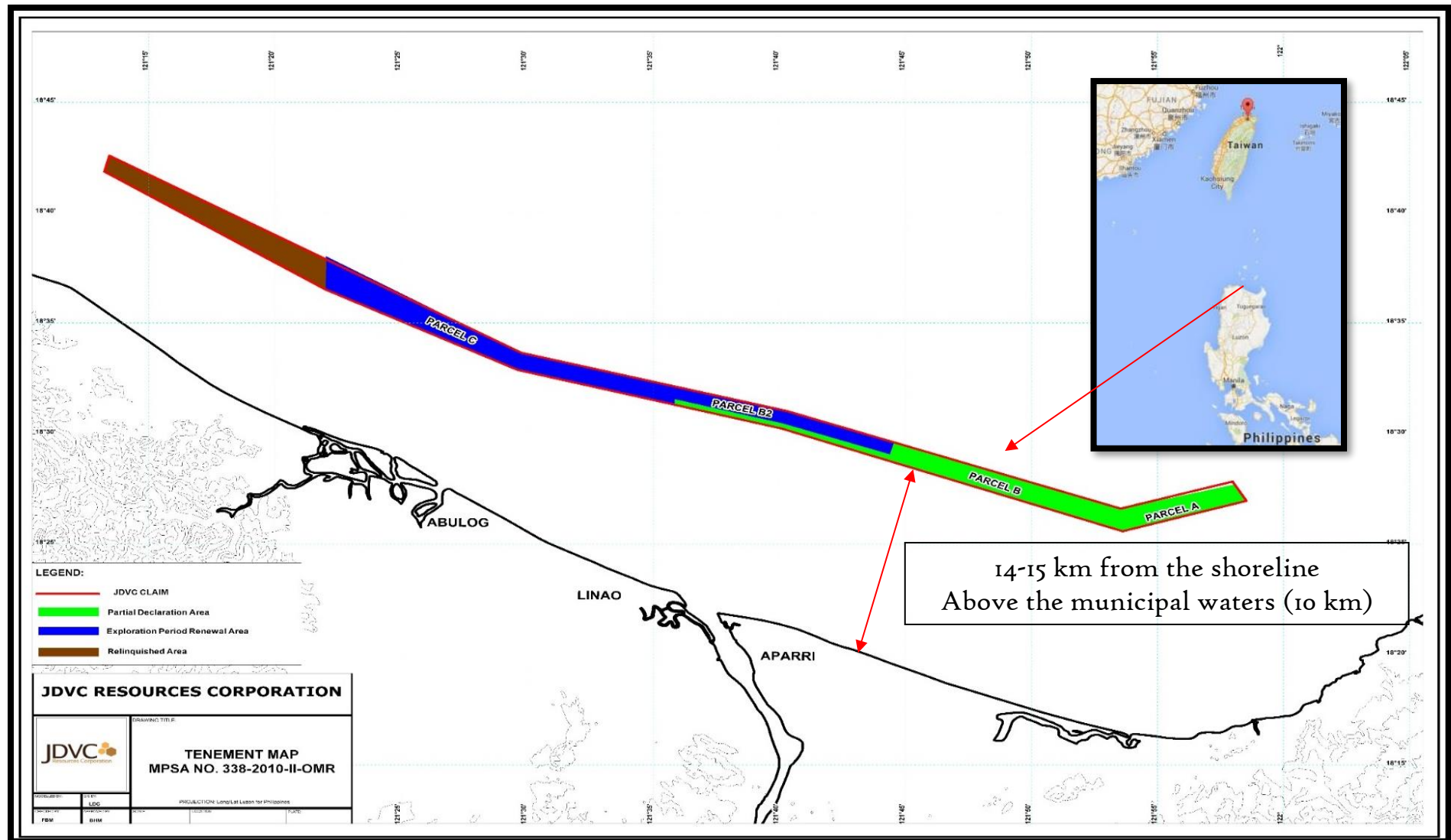


Figure 1: Location of the MPSA Area

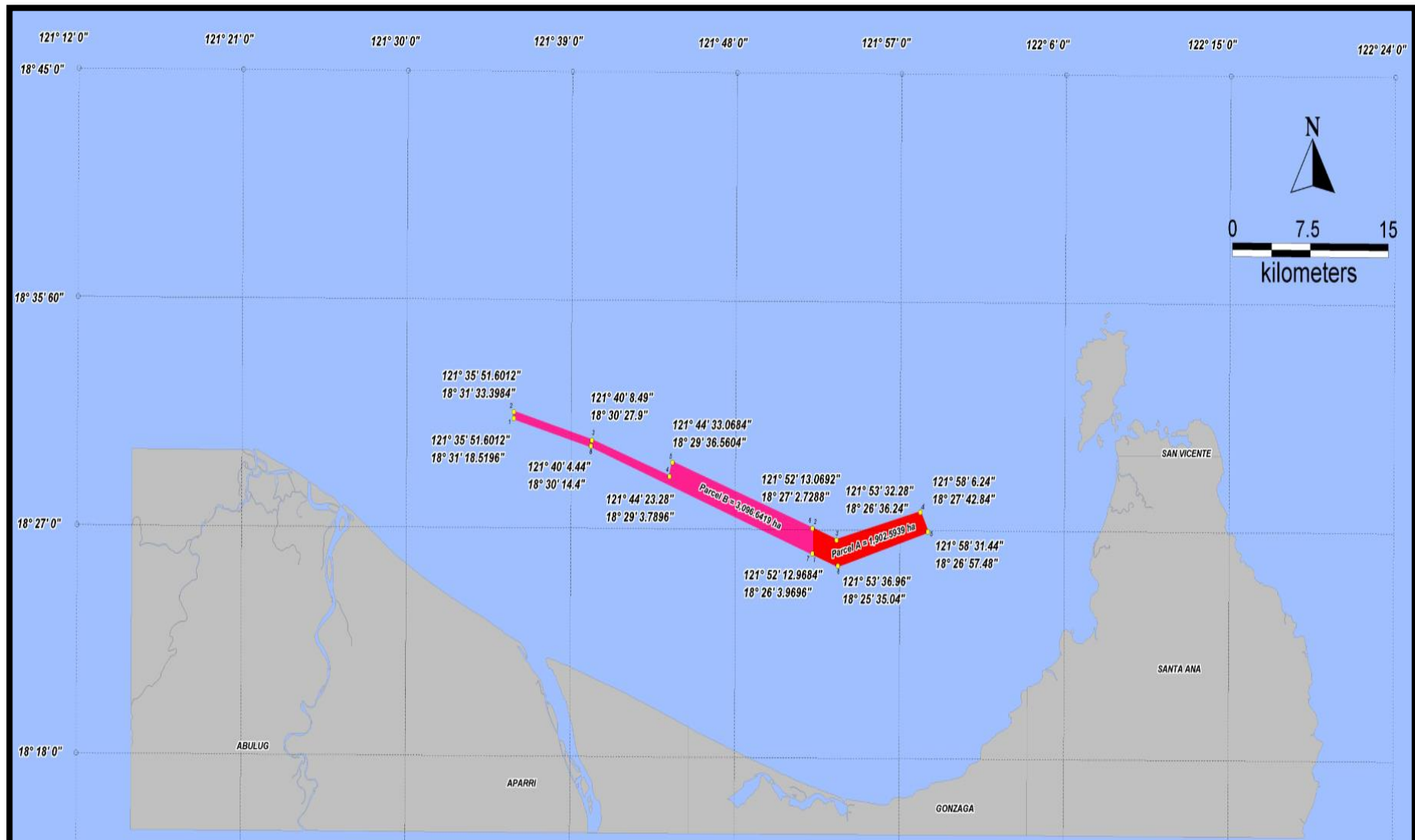


Figure 2: Location of JDVC's partial DMPF Area





Figure 3: Satellite Image of the partial DMPF area (in yellow) and the whole MPSA area (in red)

## IMPACT AREAS

In accordance with Annex 2-2 of the Revised Procedural Manual (RPM), Sec 3.a, the Direct Impact Area (DIA) is initially delimited at the pre-EIA stage as “the area where ALL project facilities are proposed to be situated and where all operations are proposed to be undertaken.” Based on that definition, the DIA is the 4,999.2358-hectare project area in Gonzaga, Buguey and Aparri.

Potential Indirect Impact Areas (IIA) at the pre-EIA stage, on the other hand, generally refers to the influenced area that could be indirectly affected by the proposed exploration and operation activities. The (indirect) impact area is composed of the entire coastline of Aparri, Buguey and Gonzaga municipalities. This area includes nine (9) coastal barangays in Aparri namely: Bulala Sur, Bulala Norte, Linao, Punta, Centro, Minanga, San Antonio, Maura, Dodan, Paddaya; thirteen (13) coastal barangays in Buguey to include Paddaya Weste, Paddaya Este, San Isidro, Cabaritan, Centro West, Centro, Santa Maria, Leron, Mala Weste, Mala Este, Villa Leonora, Minanga Weste and Minanga Estes; and eleven (11) coastal barangays in Gonzaga consisting of Caroon, Casitan, Callao, Minanga, Batangan, Tapel, Ipil, Amunitan, Santa Cruz, Baua and San Jose.

## PROJECT RATIONALE

Magnetite sand is sand composed of a high percentage of magnetite, which is ferromagnetic with chemical formula  $\text{Fe}_3\text{O}_4$  (ferrous, ferric oxide) and one of the several iron oxides found in the world. It is a source of iron ore and is currently and widely regarded as an important source of iron. There is a high demand and use of magnetite sand in the steel manufacturing industry. It can be used to produce crude steel, billet and reinforcement bars, especially suitable for piping products, and can be used as well to make steel plates. Currently, over 620 million tons a year are being used to manufacture steel. Compared to traditional iron ore mining, magnetite sand is cost competitive, about 40% cheaper.

The mineral is often mined as an ore of iron, and lately, through the use of magnetic separator / processing plant and chemical intervention, magnetite iron sand became a primary source of raw material like iron ore for steel and cast iron manufacturer when they are developed in the form of Iron Lumps, Iron Balls, Iron Fines, and Iron Pellets. When formed as such, they are technically called Direct Reduced Iron (DRI) that are used to feed electric blast furnaces in the iron and steel making process.

Currently, the demand for this DRI feed stock is very high and fetching as high as US \$ 82.50 per dry metric ton, to a low of US \$42 in China, depending on the demand and inventory situation. Hence, these recent validated phenomena in the Steel Industry have led to the upsurge in demand in the global steel-manufacturing sector for Magnetite Iron Sand. When properly processed, high value vanadium and titanium can also be effectively obtained from magnetite iron sand.

The Philippines is a country that is rich in mineral resources where it is touted to be fifth largest resources of mineral reserves, following the countries like United States, Australia, Brazil and Peru. However, these vast mineral reserves have not been effectively tapped due to socio-economic reasons, legal entanglement, environmental concerns, and lack of capital, and lack of governmental push to make it happen.

Per existing record of Mines and Geo-Sciences Bureau, or MGB of the Department of Environmental and Natural Resources (DENR), the mineral reserve of the country stood at 6.67 Billion Metric Tons of Metallic Minerals and 78.74 Billion Metric Tons of Non-Metallic Minerals, excepting Magnetite Iron Sand that has heavy deposit concentration along the coasts in the Provinces of Pangasinan, La Union, Ilocos Sur, Ilocos Norte, and Cagayan.

## PROJECT ALTERNATIVES

The project considered other alternatives for the current project based on considerations of facility siting, development design, process / technology selection and resource utilization. The consequences of not proceeding with the project were also discussed.

### Facility Siting

The proponent within the area bounded by the coordinates stipulated in the MPSA by virtue of the Deed of Assignment in favor of JDVC Resources Corporation and as approved by the Mines and Geosciences Bureau.

No alternative sites were considered inland or within the vicinity of Cagayan River since this will not be practical from economic point of view and in addition, the construction of site facility inland will have greater negative social impacts to the community.

### Development Design

The proponent considered the extraction of magnetite starting only within mine operational area from a distance of 15 km away from Cagayan shoreline. This is to prevent the negative impact of disturbed sand on the quality of water that was traditionally used by the people for fishing.

*Process/ Technology Selection* - The best practical technology that would result to reduced pollution and damage to environment and people.

The extraction for magnetite sand will simply utilize a siphon vessel. The extracted sand will then be temporarily stored, dewatered, and separated from the non-magnetite sands on board barges. All the processes for extraction will be strictly mechanical, no chemicals will be used. In addition, all phases of the operation, from the extraction up to the magnetic separation, will be done offshore. The process is smaller in scale compared to the extraction methods to be used inland.

Only magnetite materials will be extracted. Caution will be practiced by the proponent to keep the edge of the pipe as close as possible to the sea floor to lessen the agitation of the sand, which may cause the deterioration of the quality of the water, which will impact negatively on marine organisms. Such process entails less impact to the environment in general.

The method to be used will depend on a number of factors including the depth to the seabed, the degree of consolidation of the sands, ocean weather conditions, capital and operating costs, etc. At this early stage the preferred option is the plain siphon.

The negative environmental impact of the magnetite offshore extraction and recovery process is NIL. The extraction process is via siphon vessel with magnetic separator, and processing apparatuses on board. This system is no hazard at all and no social complication as the siphon vessel is stationed at the ocean far from the shore. The siphoning action of the Siphon Vessel for Magnetite Sand Offshore based on findings of the experts and specialists does not produce significant sea bottom topography disturbances due to the following reasons:

1. There is no explosive use, hence there is no blasting activities;
2. There is no permanent structure buried to the sea bottom;
3. The siphoning area underneath the sea agitated by the siphon pipe/s while it can cause localize turbidity, would immediately cave in upon pull out of the siphon pipe/s due to continuing action of the sea under current;

4. The magnetic separator on the siphon vessel would only qualify about 10% average for quality grading required hence, will return back to the same area the 90% of the lesser grade magnetite Iron Sand;
5. The sand mounts with lesser magnetite that can be created by the return after magnetic separation under the sea may even become series of new fishing areas during calm season nearer the shorelines, and
6. The continuing replacement every time it rains allow continuing replacement of the 10% extracted for higher grade as separated for export shipment.

*Resource utilization* - A rationalized utilization of the resources by optimizing the socioeconomic benefits with a sustained environmental protection /rehabilitation mechanism.

Based on exploration activities conducted by the proponent, magnetite deposit was found to be of significant amount in the municipal waters of the towns of Aparri, Buguey and Gonzaga.

As may be required by the LGU and the DENR, the proponent as part of their corporate responsibility is committed to contribute to the community by hiring of local workers, remit taxes to the LGU, and implement Social Development Programs (SDP). The SDP will be designed by the proponent in cooperation with the LGUs, and also through the mechanisms of the Multipartite Monitoring Team (MMT), which will be established as a compliance of ECC conditions.

## PROJECT COMPONENTS

**Table 3** shows the proposed modification of the project expansion in terms of its components.

**Table 3: Project Components (Current and Proposed)**

| Current  | Proposed   |
|--|--|
| <ul style="list-style-type: none"> <li>• 1 Siphon vessel (dredge barge)</li> <li>• 3 Separator Barges</li> <li>• 1 Panamax Vessel</li> <li>• Gravity Separator</li> <li>• Magnetic Separator</li> <li>• Hopper / Chute</li> <li>• Generator Set</li> </ul> | <ul style="list-style-type: none"> <li>• 4 Siphon vessels equipped with generator sets, magnetic and gravity separators and hoppers / chute</li> <li>• 3 storage barges</li> </ul> |

## PROJECT SIZE

The Project will cover an area of 4,999.2358 hectares of the 14,240-hectare MPSA area as its operational area and an approved annual extraction rate of 1.3 million DMT. The following tables show the proposed modification in terms of the project's extraction capacity.

**Table 4: PMRC Validation Mineral Resource**

| Level                     | Tonnage (DMT)         | Grade (%MF)  | DMT Conc.             |
|---------------------------|-----------------------|--------------|-----------------------|
| <b>INDICATED RESOURCE</b> |                       |              |                       |
| 0-5 meters                | 114,167,560.95        | 23.16        | 26,445,391.99         |
| 5-10 meters               | 158,146,240.41        | 41.55        | 65,708,816.19         |
| 10-15 meters              | 164,786,486.19        | 24.68        | 40,668,170.45         |
| 15-20 meters              | 153,893,321.90        | 12.17        | 18,727,301.51         |
| 20-25 meters              | 15,464,363.07         | 18.86        | 2,916,578.87          |
| <b>Total</b>              | <b>606,457,972.52</b> | <b>25.47</b> | <b>154,466,259.02</b> |
| <b>INFERRED RESOURCE</b>  |                       |              |                       |
| 0-5 meters                | 63,179,310.69         | 47.71        | 30,140,910.80         |

**Table 5: Current Production Estimates**

| Indicated Reserve (MMt) | Yearly Production (Raw), MMt | Rate of Recovery (%) | Number of Production Lines | Iron Concentrate Production per Annum (MMt) |
|-------------------------|------------------------------|----------------------|----------------------------|---|
| 606.458                 | 6.91                         | 95                   | 3                          | 1.3   |

**Table 6: Proposed Production Estimates**

| Indicated Reserve (MMt) | Yearly Production (Raw), MMt | Rate of Recovery (%) | Number of Production Lines | Iron Concentrate Production per Annum (MMt) |
|-------------------------|------------------------------|----------------------|----------------------------|---|
| 606.458                 | 159.46                       | 95                   | 7                          | 30  |



## PROJECT DEVELOPMENT PLAN

### EXPLORATION PHASE

The exploration activities conducted in the area consisted mainly of bathymetric survey/seabed profiling, initial diamond drilling and sampling, physical and chemical analysis of core samples, initial resource estimation and confirmation/infill drilling and final resource evaluation.

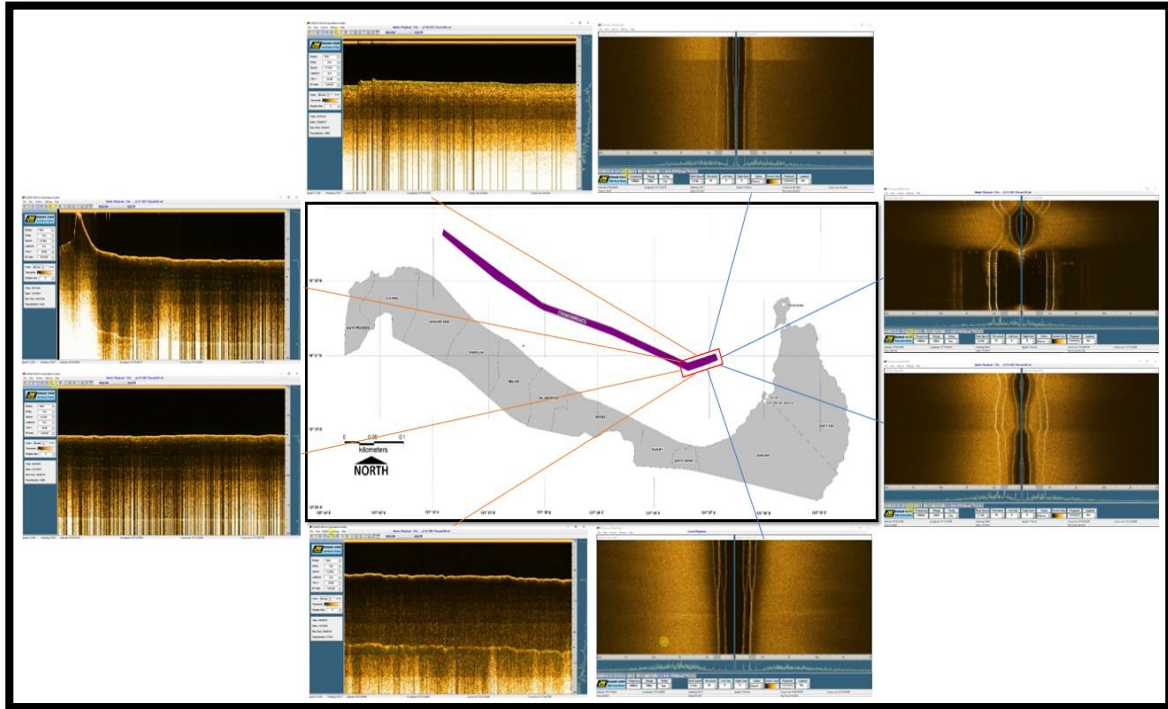
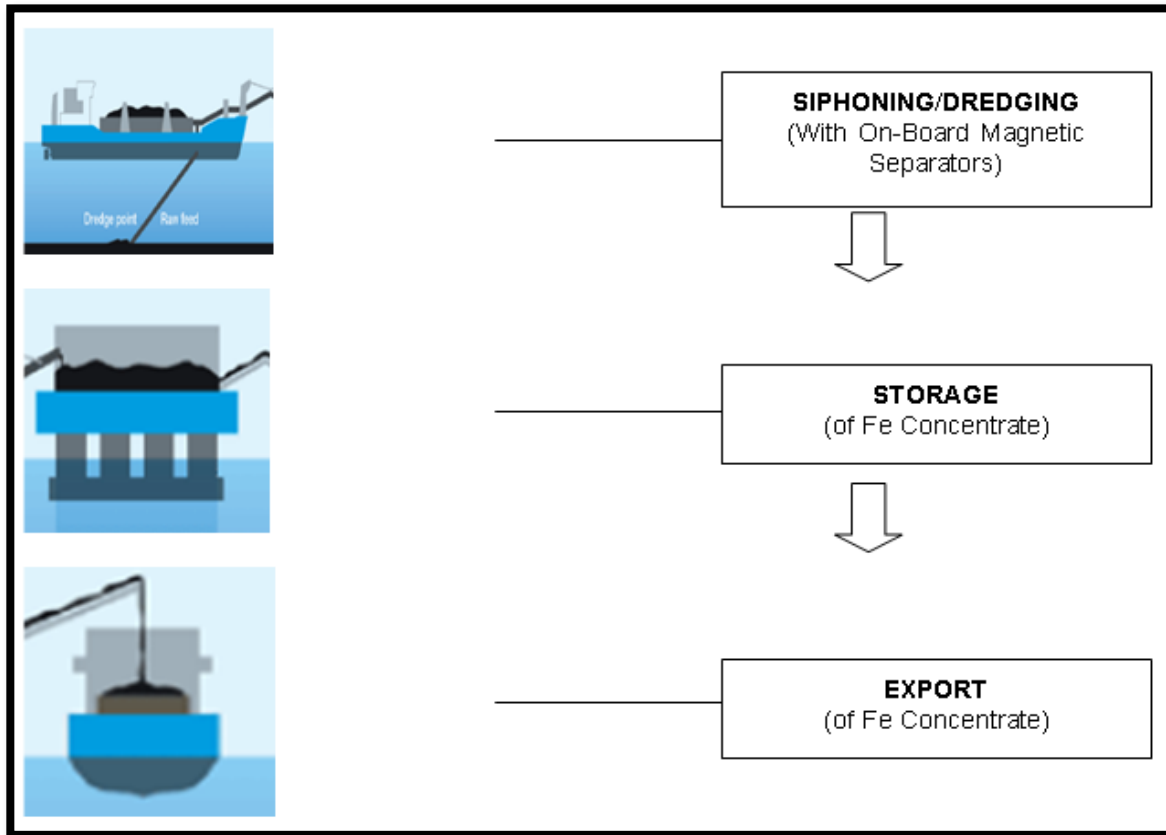


Photo 1: Side Scan and Sea Bottom Profiling

### OFFSHORE OPERATIONS

The project involves the offshore mining of magnetite iron sand thru dredging/siphoning activity. It involves the use of a capsize vessel with built-in (7) seven production lines magnetic separator on board. The magnetite iron sand concentrate will be stockpiled onboard the vessel for shipment to prospective buyers. The waste or the non-magnetite materials (low magnetite content) will be returned to the sea floor. The dredging ship has 2,000 tons/hr. capacity.

The operations will siphon and process using a capsize vessel about 606 million tons of raw sand with yearly feed to the siphoning vessel of 159.46 million tons of raw sand and will produce a yearly production of 30 million tons of iron concentrate. The average magnetic fraction (Mf) during the entire mine life is 19.79% (passing 2 stages of magnetic separation) will produce an average concentrate grade of <60% Fe. The magnetic separator efficiency is assumed at 95%.



**Figure 4: Offshore Mining Process Flowchart**

## ABANDONMENT PHASE

Since the project will have minimal impact on the bathymetry of the project area, no chemicals will be utilized, and no facility will be constructed, the abandonment phase for the proposed project will be limited to non-renewal of the lease contract with the siphon vessel. Replenishment and restoration of the deposit will occur naturally through the sediments brought in by the Cagayan River, which continuously discharges freshwater at a rate of 53,943 million cubic meters per year to the sea along with sediments such as sand, silt and clay. Further, the proponent will abide to MGB in case there are new practices being imposed on rehabilitating an offshore mining site.

## ENVIRONMENTAL MANAGEMENT AND PROTECTION MEASURES

### Noise Pollution

All equipment (e.g. Generators) on board are designed as silent types to avoid noise generation exposure even to siphon vessel crew. The Vessel's main engine is housed inside the engine room with sufficient sound absorbing insulation installed.

### Oil and Water Pollution

All offshore mining operation MUST have one (1) tugboat equipped with Oil Spill response equipment, one (1) fast boat and personnel that are adequately trained to address oil spills.

To mitigate impacts on increased turbidity, an accordion type pollution prevention curtain or screen shall be installed to surround the suction and discharge lines. Also, the pollution prevention curtain or screen can be used to reduce the impact of silts and sand from rivers flowing into the basin.



**Photo 2: (Accordion Type) Pollution Prevention Curtain or Screen**

#### **MANPOWER REQUIREMENTS**

The project is estimated to employ not less than 140 workers once operational. Additional manpower will be needed for the implementation of the Social Development Programs and Environmental Protection and Management projects once these are finalized. Further, it shall be the policy of JDVC to hire qualified local applicants based on the following order of priority:

- First Priority: Residents of any barangays within the affected municipalities;
- Second Priority: Residents from other adjacent municipalities; and
- Third Priority: Applicants from other provinces and regions.





**OFFICE OF THE SANGGUNIAN BAYAN**

**RESOLUTION NO. 2017-143**

**ADOPTING THE REPORT OF THE COMMITTEE ON ENVIRONMENTAL PROTECTION AND CLIMATE CHANGE REGARDING THE DREDGING OF THE CAGAYAN RIVER.**

**WHEREAS**, the Committee on Environmental Protection and Climate Change during the 6<sup>th</sup> Regular Session of the Sangguniang Bayan, the Committee Chair, Committee on Environmental Protection and Climate Change delivered the report of the said Committee relative of the "Dredging of the Cagayan River" with their recommendations and findings;

**NOW, THEREFORE:**

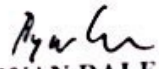
**BE IT RESOLVED**, as it is hereby resolved to adopt as it hereby adopts the report of the Committee on Environmental Protection and Climate Change regarding the "Dredging of the Cagayan River with the following recommendations and findings:

- a. Referred personally to Congressman Ramon C. Nolasco and told us that this kind of activity is among his advocacies, **"NO TO MINING"**.
- b. Important matter to consider is the management over the pport area and other incidental structures within it in which was devolved to the LGU Aparri however, we were informed that it has expired already and in effect it was reverted back to PPA. It is important for the proponent to clear this matter to ascertain appropriate actions.
- c. The proponent should align its proposals with the policies issued by DENR thru Secretary Gina Lopez particularly on dredging and or mineral resources exploration/excavation such as the **BLACKSAND**;

**RESOLVED FURTHER**, to forward this resolution to the Mr. Pedro B. Rovillos, Jr., CEO CCIL Mining and Mineral Resources and Hon. Shalimar D. Tumar, M.D., Municipal Mayor for their information.

**ADOPTED** during the 6<sup>th</sup> Regular Session of the Sangguniang Bayan held on Wednesday on February 8, 2017 at the Municipal Session Hall.

CERTIFIED CORRECT:

  
**HON. BRYAN DALE G. CHAN**  
Vice-Mayor/Presiding Officer

ATTESTED:

  
**LORIE JOY C. SIMON, MPA**  
Sanggunian Secretary




## **OFFICE OF THE SANGGUNIANG BAYAN**

### **RECOMMENDATIONS AND FINDINGS OF COMMITTEE ON ENVIRONMENT**

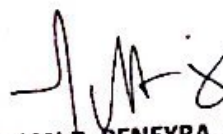
1. Referred personally to Congressman Ramon C. Nolasco and he told us that this kind of activity is among his advocacies, **"NO TO MINING"**.
2. Another important matter to consider is the management over the port area and other incidental structures within it in which it was devolved to the LGU Aparri however, we were informed that it has expired already and in effect it was reverted back to PPA. With this, it is important for the proponent to clear this matter to ascertain appropriate actions.
3. Also, the proponent should align its proposals with the policies issued by the DENR thru SEC. GINA LOPEZ particularly on dredging and or mineral resources exploration/excavation such as the **BLACKSAND**.



**CESAR F. MABBAGU**  
SB Member  
Chairman, Committee on Environment



**NORMAN N. IGNACIO**  
SB Member  
Member, Committee on Environment



**NORMAN B. PENEYRA, JR.**  
SB Member  
Member, Committee on Environment





October 23, 2019

**HON. MAYOR LLYOD ANTIPORDA**  
**Municipality of Buguey**  
**Province of Cagayan**

**Subject: Proposed Expansion of Cagayan Offshore Magnetite Mining Project**  
**Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

**Dear Mayor Antiporda:**

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

As an initial activity, we are currently conducting a project presentation with concerned stakeholders. For the Municipal Government of Buguey, particularly its executive offices and department heads, we would like to solicit your participation in the said activity. We intend to hold the activity on November 06, 2019 at Function Hall of Crab Hotel, Buguey, Cagayan.

Further, we are extending this invitation to the following departments:

1. Office of the Vice Mayor
2. Municipal Council
3. Department Head of the Municipal Planning and Development Office
4. Department Head of the Municipal Environmental and Natural Resources Office
5. Department Head of the Municipal Engineering Office
6. Department Head of the Municipal Health Office
7. Department Head of the Municipal Disaster Risk Reduction Management Office
8. Department Head of the Municipal Agricultural Office
9. Department Head of the Municipal Social Welfare and Development Office
10. Department Head of the Municipal Traffic Management Office

Should you have any queries, you may call us at (02) 8706.4008/8727.9005 or 0999.881.2805 and look for Ms. Deza Mae Mondragon.

We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

*for:*   
**NAPOLEON DE LEON JR.**  
*President*

*received:*

*PhyD*  
*Oct. 28, 2019*



October 23, 2019

**HON. MAYOR LLYOD ANTIPORDA**  
**Municipality of Buguey**  
**Province of Cagayan**

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project**  
**Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Mayor Antiporda:

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Should you have any queries, you may call us at (02) 8706.4008/8727.9005 or 0999.881.2805 and look for Ms. Deza Mae Mondragon.

We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

A handwritten signature in black ink, appearing to read "Napoleon De Leon Jr.", is written over the typed name and title. The signature is fluid and cursive, with a large loop at the end.  
**NAPOLEON DE LEON JR.**  
President



October 23, 2019

HON. CHAIRMAN \_\_\_\_\_

Barangay Paddaya Este  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Chairman:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

As an initial activity, we are currently conducting a project presentation with concerned stakeholders, part of which is your barangay. We intend to hold the activity on November 06, 2019 at Function Hall of Crab Hotel, Buguey, Cagayan.

In view of this, we would like to request for an audience with your office together with the members of the barangay council and the following sectoral representatives:

- Chairperson, Sangguniang Kabataan
- Head/Chairperson, Women's Group
- Head/Chairperson, Senior Citizens Group
- Head/Chairperson, Person's with Disability Group
- Head, Barangay Health Units
- Group Leader/s from Fisherfolks Organization/Cooperative (if there are any)
- Representative/s from Religious Sector (Parish Priest, Minister, Pastor and the like)

Should you have any queries, you may call us at (02) 8706.4008/8727.9005 or 0999.881.2805 and look for Ms. Deza Mae Mondragon.

We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

*for:*   
**NAPOLION DE LEON JR.**  
President



October 23, 2019

HON. CHAIRMAN PERCIVAL TALAZA  
Barangay Villa Leonora  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Chairman:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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- Chairperson, Sangguniang Kabataan
- Head/Chairperson, Women's Group
- Head/Chairperson, Senior Citizens Group
- Head/Chairperson, Person's with Disability Group
- Head, Barangay Health Units
- Group Leader/s from Fisherfolks Organization/Cooperative (if there are any)
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Thank you and more power.

Respectfully yours,

*for*  
  
NAPOLEON DE LEON JR.  
President

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LEONARDO  
Supriet  
OCT 28-2019



October 23, 2019

HON. CHAIRMAN MARLON T. PASCUA  
Barangay San Isidro  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Chairman:

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Respectfully yours,

for:   
**NAPOLÉON DE LEÓN JR.**  
President

  
**MARLON T. PASCUA**

DATE RECEIVED OCT 28, 2019





October 2, 2019

HON. CHAIRMAN ARTEMIO C. TAAL  
Barangay Cabarritan  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Chairman:

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We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

  
for: **NAPOLEON DE LEON JR.**  
President

  
Rodol G. Taal  
10-28-19



October <sup>23</sup>, 2019

HON. CHAIRMAN FLORIE TABACO  
Barangay Mala Neste  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Chairman:

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Thank you and more power.

Respectfully yours,

*for:*   
**NAPOLION DE LEON JR.**  
President

  
**FLORIE TABACO**  
RECEIVED  
10-28-2019



October 23, 2019

HON. CHAIRMAN ALBERT PASCUA  
Barangay Mala Este  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Chairman:

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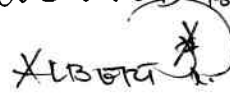
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We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,  
  
for **NAPOLEON DE LEON JR.**  
President

RECEIVED BY  
  
ALBERT PASCUA  
10-28-19



October 29, 2019

HON. CHAIRMAN WILLYNBERG DELACRUZ  
Barangay Leron  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Chairman:

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We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

*for:*   
NAPOLEON DE LEON JR.  
President

*Received*  
*October 28 2019*  
*WILLYNBERG DELACRUZ*



October 23, 2019

HON. CHAIRMAN RONIE M. TABBAY  
Barangay Minanga Weste  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

Dear Chairman:

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Respectfully yours,

for:   
**NAPOLÉON DE LEON JR.**  
President

Received By:

Ronie M Tabbay - 

Oct 28, 2019





October 23, 2019

HON. CHAIRMAN CONCEPCION ARTIAGA  
Barangay Centro  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

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Thank you and more power.

Respectfully yours,

  
**NAPOLEON DE LEON JR.**  
President

*Received H*

*CSM - 10-28-19*



October 23, 2019

HON. CHAIRMAN Pedrito U. Del Castillo  
Barangay Sta. Maria  
Municipality of Buguey  
Province of Cagayan

Subject: **Proposed Expansion of Cagayan Offshore Magnetite Mining Project  
Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan**

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*for:*   
NAPOLÉON DE LEÓN JR.  
President

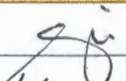
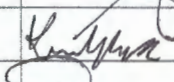


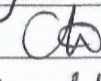


  
Raulie Tabano  
Oct. 24, 2019

## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN

Date: Nov - 6, 2019

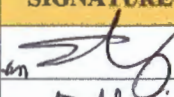

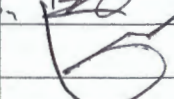
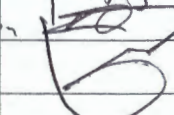
MIGU - BUGUEY

| NO. | NAME                   | DESIGNATION & OFFICE  | CONTACT NUMBER | EMAIL ADDRESS                | SIGNATURE   |
|-----|------------------------|-----------------------|----------------|------------------------------|---|
| 1.  | May Jocelyn Joan T. Lu | MENRO                 | 0915 618 1150  | lgubuguey@gmail.com          |  |
| 2.  | Kimberly Mak           | Peace Corps Volunteer |                |                              |  |
| 3.  | RICARDO T. SINGRON     | MPDC                  | 0966379139     |                              |  |
| 4.  | Rogelio I. Tabaco      | BPLD                  | 09264470972    |                              |  |
| 5.  | MELVIN A. ABALOG       | ME                    | 0927-523-1981  | melvinabalog@yahoo.com       |  |
| 6.  | STEWART GRACE MULLINO  | MSWD                  | 09560693396    | mullinosterylgrace@gmail.com |  |
| 7.  | ADOLFO A. MIRANDA JR.  | SB-M                  | 0915 624 2629  |                              |  |
| 8.  | LYOD M. ANTIPORDA      | MAJOR                 |                |                              |   |
| 9.  |                        |                       |                |                              |   |
| 10. |                        |                       |                |                              |   |
| 11. |                        |                       |                |                              |   |
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| 13. |                        |                       |                |                              |   |
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| 15. |                        |                       |                |                              |   |

## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN  
NGA

Date: Nov - 6, 2019

| NO. | NAME                    | DESIGNATION & OFFICE      | CONTACT NUMBER     | EMAIL ADDRESS           | SIGNATURE   |
|-----|-------------------------|---------------------------|--------------------|-------------------------|---|
| 1.  | EDWARD F. CARIDO        | SA-1/DPWH-APWA            | 0965723681         | calvin.carido@gmail.com |  |
| 2.  | NDEL B. PALEJO          | Forester III - DENR-CENRO | Apurri 09171896291 |                         |  |
| 3.  | Rhannip Lloyd P. Torris | GIS Specialist - DENR     | 09262532724        | lloyd.rhannip@gmail.com |  |
| 4.  | AUREN P. PRUDENCIA      | ARVA.II / BFAR            | 09059907848        |                         |  |
| 5.  | DEMETRIO CORUJALO       | DENR-MGB                  |                    |                         |   |
| 6.  |                         |                           |                    |                         |   |
| 7.  |                         |                           |                    |                         |   |
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| 15. |                         |                           |                    |                         |   |



## ATTENDANCE SHEET

Location: **CRAB HOTEL, BUGUEY, CAGAYAN**

Date: **NOV-6, 2019**

Barangay Cabaritan

| NO. | NAME                  | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|-----------------------|----------------------|----------------|---------------|-------------|
| 1.  | Jewelyn Knider        | Press Secretary      | 09265037970    |               | Jkn         |
| 2.  | ELIZABETH TABIEROS    | BNS                  | 09751305284    |               | Elizabeth   |
| 3.  | RAMON DE CAMENTE      | KAG                  | 09773819662    |               | Ram         |
| 4.  | Rodel G. Tael         | KAG.                 | 09269552604    |               | R. Tael     |
| 5.  | John LESTER J. SAPATO | SK                   | 09067395468    |               | John        |
| 6.  | BENJAMIN Q MARTINEZ   | KAG.                 | 09654978001    |               | Ben         |
| 7.  | NOMEL A. USANA        | KAG.                 | 09978556586    |               | Nomel       |
| 8.  | CEREC J. MOLINA       | KAG                  | 0927 586478    |               | Cyrr        |
| 9.  | Mildred Montalut      | Kuy                  | 09653328776    |               | M. Montalut |
| 10. |                       |                      |                |               |             |
| 11. |                       |                      |                |               |             |
| 12. |                       |                      |                |               |             |
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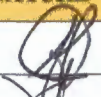
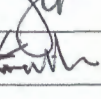
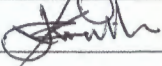




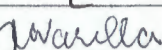


## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN

Date: NOV. 6, 2019

Barangay Centro

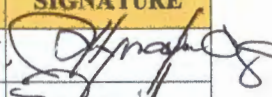
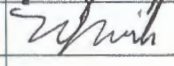
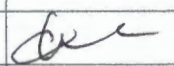
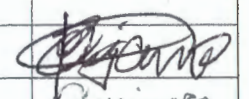
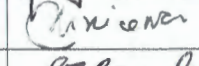
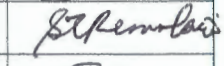
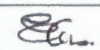
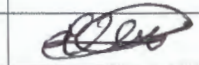
| NO. | NAME                  | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS             | SIGNATURE   |
|-----|-----------------------|----------------------|----------------|---------------------------|---|
| 1.  | ARCHIE C. VILORIA     | LSU- MAFSO           | 0906669863     | archieviloria27@gmail.com |  |
| 2.  | JAY AR RECOLADO       | BRGY. KAG            | 09069316373    |                           |  |
| 3.  | SYLVIO C. VARILLA JR. | BRGY. KAG.           |                | <del>(Signature)</del>    |  |
| 4.  | CONCEPCION S. ALTURA  | P. B                 | 09052680136    |                           |  |
| 5.  | Inesta M. Mendez      | Brgy. Kag.           | 09156378582    |                           |  |
| 6.  | Arnel A. Archibada    | Brgy. Secretary      | 09978578630    | Centro/Brgy               |  |
| 7.  | EDIMAR P. BRUNA S N   | KAG.                 | 09556205560    | CENTRO                    |  |
| 8.  | Imee C. Varilla       | Brgy. Treasurer      | 09157760275    | Centro                    |  |
| 9.  |                       |                      |                |                           |   |
| 10. |                       |                      |                |                           |   |
| 11. |                       |                      |                |                           |   |
| 12. |                       |                      |                |                           |   |
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| 15. |                       |                      |                |                           |   |

## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN

Date: Nov. 6, 2019

Barangay LERON

| NO. | NAME                          | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS          | SIGNATURE   |
|-----|-------------------------------|----------------------|----------------|------------------------|---|
| 1.  | Kap. Willyberg de la Cruz     | Punong Barangay      | 0906-6612663   | KAP WILLYN A GMAIL.COM |    |
| 2.  | Kag. Wilson Nicolas           | KAG.                 | 09973610591    |                        |    |
| 3.  | Kag. Hermira Usara            |                      |                |                        |   |
| 4.  | Kag. Chedy Usara              | Kagawad              |                |                        |    |
| 5.  | Kag. Edgar de la Cruz         |                      |                |                        |   |
| 6.  | Kag. Desiderio Veloria        |                      |                |                        |   |
| 7.  | Kag. Emmanuel Viano           | KAG.                 |                |                        |    |
| 8.  | Kag. Madelyn Vicera           | Brgy. Kagawad        | 09976910739    |                        |   |
| 9.  | Sec. Solidad Remulao          | Secretary            | 09355258946    |                        |  |
| 10. | Pres. Elisa Ariza             | Treasurer            | 0926923052     |                        |  |
| 11. | <del>Kag. CARRY A USARA</del> |                      |                |                        |   |
| 12. | Kag. DESIDERIO VELORIA        | Kagawad              | 09653323304    |                        |  |
| 13. |                               |                      |                |                        |   |
| 14. |                               |                      |                |                        |   |
| 15. |                               |                      |                |                        |   |



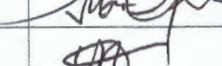
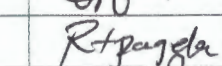
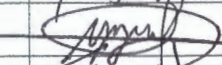


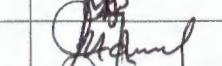





## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN

Date: Nov. 6, 2019

Barangay Mala Este


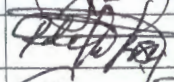
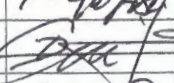
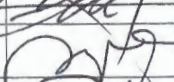
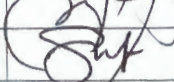
| NO. | NAME                | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|---------------------|----------------------|----------------|---------------|---|
| 1.  | MERCEDES V. TALDIA  | Brgy. Secretary      |                |               |    |
| 2.  | FLORE TABACO        | PUNONG BARANGAY      | 09168449730    |               |    |
| 3.  | MARLOU TABACO       | BRGY. KAGAWAD        | 09889132746    |               |    |
| 4.  | DIONISIO MARIANO    | BRGY KAGAWAD         | 09068590190    |               |    |
| 5.  | ROLANDO T. PAGELA   | BRGY. KAG.           | 09269660975    |               |    |
| 6.  | ALEX T. MANUEL      | BRGY. KAG.           | 09168800406    |               |    |
| 7.  | EUGENE R. TABACO    | BRGY. KAG.           | 09452098924    |               |   |
| 8.  | NELSON T. VALENCIA  | 11                   | 09972408555    |               |  |
| 9.  | MARY JANE T. MANUEL | SK CHAIRMAN          | 09069306297    |               |  |
| 10. | RUBEN R. MANUEL     | BRGY. KAG.           | 09975264499    |               |  |
| 11. | ARLEEN V. UY        | Brgy - Treasurer     | 09972107574    |               |  |
| 12. |                     |                      |                |               |   |
| 13. |                     |                      |                |               |   |
| 14. |                     |                      |                |               |   |
| 15. |                     |                      |                |               |   |

## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN

Date: Nov. 6, 2019

Barangay Mala Weste

| NO. | NAME                 | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|----------------------|----------------------|----------------|---------------|---|
| 1.  | AUBERT R. PASCUA     | R/B                  | 09265266099    | MXL WOSTO     |  |
| 2.  | RODRIGO C. DELA ROSA | BRGY. SEC            | 09267728184    | " "           |  |
| 3.  | DOMINGO P. OUSIT JR. | BRGY. KAGAYAN        | 09751455566    | " "           |  |
| 4.  | GERALD C. GOLE SR.   | KAG.                 | 09108449066    | MALA WESTE    |  |
| 5.  | REXCELLE B. DONATO   | PROT KAG.            | 09355258874    | " "           |  |
| 6.  |                      |                      |                |               |   |
| 7.  |                      |                      |                |               |   |
| 8.  |                      |                      |                |               |   |
| 9.  |                      |                      |                |               |   |
| 10. |                      |                      |                |               |   |
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| 12. |                      |                      |                |               |   |
| 13. |                      |                      |                |               |   |
| 14. |                      |                      |                |               |   |
| 15. |                      |                      |                |               |   |



## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN

Date: Nov- 6, 2019

Barangay Minanga Weste

| NO. | NAME                | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE          |
|-----|---------------------|----------------------|----------------|---------------|--------------------|
| 1.  | CHUCK ALONZO        | Barangay Kagawad     | 09452245968    |               | <i>cp/lin</i>      |
| 2.  | BERNARD CABAAYAN    | " "                  | 09360366812    |               | <i>[Signature]</i> |
| 3.  | Myriam Teluza       | " "                  | 09755027135    |               | <i>mteluza</i>     |
| 4.  | Antonio Builente    | " "                  | 09276869144    |               | <i>[Signature]</i> |
| 5.  | Ronie M. Tabbay     | Punong Barangay      | 09355505499    |               | <i>Tabbay</i>      |
| 6.  | JENER M. VALLE      | BNGY ICAG.           | 09053907202    |               | <i>ju</i>          |
| 7.  | BONALIN MILLAN      | " "                  | 09265054219    |               | <i>[Signature]</i> |
| 8.  | Minerva Upano       | Brgy. Treasurer      | 09363260038    |               | <i>[Signature]</i> |
| 9.  | CHARLEMAGNE FARINAS | Kag                  | 092056567045   |               | <i>[Signature]</i> |
| 10. |                     |                      |                |               |                    |
| 11. |                     |                      |                |               |                    |
| 12. |                     |                      |                |               |                    |
| 13. |                     |                      |                |               |                    |
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## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN

Date: Nov. 6, 2019

Barangay Paddaya Weste

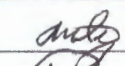


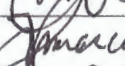




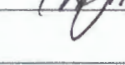

| NO. | NAME                | DESIGNATION & OFFICE   | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE |
|-----|---------------------|------------------------|----------------|---------------|-----------|
| 1.  | Fernando D. Villena |                        |                |               |           |
| 2.  | ALVINE I. RIETA     |                        |                |               |           |
| 3.  | RUBEN E. AYTONA     |                        |                |               |           |
| 4.  | IMELDA R. MAPE      | Barangay Paddaya Weste | 0935247437     |               |           |
| 5.  |                     |                        |                |               |           |
| 6.  |                     |                        |                |               |           |
| 7.  |                     |                        |                |               |           |
| 8.  |                     |                        |                |               |           |
| 9.  |                     |                        |                |               |           |
| 10. |                     |                        |                |               |           |
| 11. |                     |                        |                |               |           |
| 12. |                     |                        |                |               |           |
| 13. |                     |                        |                |               |           |
| 14. |                     |                        |                |               |           |
| 15. |                     |                        |                |               |           |

## ATTENDANCE SHEET

Location: **CRAB HOTEL, BUGUEY, CAGAYAN**

Date: **NOV. 06, 2019**

**BARANGAY SAN ISIDRO**

| NO. | NAME                   | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS         | SIGNATURE   |
|-----|------------------------|----------------------|----------------|-----------------------|---|
| 1.  | Miguel Martinez        | BRGY KAGAWAD         | 099531783H     | SA Iacchone           |    |
| 2.  | AYELIO U. PASCUA       | ASST. SECRETARY      | 09269984384    | SA ISIDRO             |    |
| 3.  | RHANDY A. LUHATO       | BRGY. KAGAWAD        | 09365717279    | SA ISIDRO             |    |
| 4.  | ERWIN M. VILLANUEVA    | " "                  | 09052114439    | " "                   |    |
| 5.  | MARLON T. PASCUA       | BRGY. SECRETARY      | 09357726007    | SA ISIDRO             |    |
| 6.  | RUDY A. REMOLACION JR. | BRGY. KAG -          | 09351098439    | SA ISIDRO             |    |
| 7.  | Rolie A DE Guzman      | BRGY KAG             | 09059502097    | SA ISIDRO             |   |
| 8.  | WILSON DE GUZMAN       | BRGY KAG             | 09202552751    | " "                   |  |
| 9.  | EMILIO O LUNATO        | BRGY KAG             |                | " "                   |  |
| 10. | NIMFA T. GALATO        | Brgy. Sec            | 09061847729    | nimarish_18@yahoo.com |  |
| 11. |                        |                      |                |                       |   |
| 12. |                        |                      |                |                       |   |
| 13. |                        |                      |                |                       |   |
| 14. |                        |                      |                |                       |   |
| 15. |                        |                      |                |                       |   |



## ATTENDANCE SHEET

Location: CRAB HOTEL, BUGUEY, CAGAYAN

Date: NOV. 09, 2019

BARANUAH STA. MARIA

| NO. | NAME                 | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE                   |
|-----|----------------------|----------------------|----------------|---------------|-----------------------------|
| 1.  | PAULO V. QUIBOL.     | SK CHAIRMAN          | 09657009171    |               | <i>Paulo V. Quibol.</i>     |
| 2.  | Aunora Viejo         | Brgy. Kagawad        |                |               | <i>Aunora Viejo</i>         |
| 3.  | AGNES BALUYOT        | Brgy Kagawad         | 09553811053    |               | <i>Agnes Baluyot</i>        |
| 4.  | Lemora V. Ramos      | " "                  | 09064975199    |               | <i>Lemora V. Ramos</i>      |
| 5.  | PEDRITO DEL CASTILLO | P.B.                 | 09655809404    |               | <i>Pedrito Del Castillo</i> |
| 6.  | Rosalie Tabaco       | BNS                  | 09061937800    |               | <i>Rosalie Tabaco</i>       |
| 7.  | Manny R. Viejo Jr.   | Chairman Tuleapals   | 09752545256    |               | <i>Manny R. Viejo Jr.</i>   |
| 8.  |                      |                      |                |               |                             |
| 9.  |                      |                      |                |               |                             |
| 10. |                      |                      |                |               |                             |
| 11. |                      |                      |                |               |                             |
| 12. |                      |                      |                |               |                             |
| 13. |                      |                      |                |               |                             |
| 14. |                      |                      |                |               |                             |
| 15. |                      |                      |                |               |                             |

## ATTENDANCE SHEET

Location: **CRAB HOTEL, BUGUEY, CAGAYAN**

Date: **Nov. 6, 2019**

Barangay Villa Leonora

| NO. | NAME                | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE        |
|-----|---------------------|----------------------|----------------|---------------|------------------|
| 1.  | Domenza Villasin    | Brgy. Treasurer      | 09067307064    |               | Dvelasin         |
| 2.  | ALEX D PEREZ        | BRGY KAGAWAD         |                |               | Max Pen          |
| 3.  | EDGAR TOLIO         | " "                  |                |               | Edgar            |
| 4.  | GIL ARCA            | " "                  |                |               | Gil              |
| 5.  | HENRY SUPNET JR.    | " "                  |                |               | Henry Supnet Jr. |
| 6.  | LEONARDO T SUPNET   | " "                  | 09053377282    |               | Leonardo         |
| 7.  | Yolanda Dumawal     | SENIOR CITIZEN       |                |               | Yolanda          |
| 8.  | Citadel Pascua      | SK KAGAWAD           |                |               | Citadel          |
| 9.  | PERCIVAL B. TALORA  | PUNONG BARANGAY      | 09086884459    |               | Percival         |
| 10. | RODEL SEXTIAN       | KCWD                 |                |               | Rodel            |
| 11. | Manuel S. Ildefonso | kagawad              | 09752531985    |               | Manuel           |
| 12. | ARCEU T-CEPEDA      | kagawad              | 09359644935    |               | Arceu            |
| 13. |                     |                      |                |               |                  |
| 14. |                     |                      |                |               |                  |
| 15. |                     |                      |                |               |                  |



## ATTENDANCE SHEET

Location: **CRAB HOTEL, BUGUEY, CAGAYAN**

Date: **Nov. 6, 2019**

**JDVC TEAM**

| NO. | NAME                  | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS                | SIGNATURE |
|-----|-----------------------|----------------------|----------------|------------------------------|-----------|
| 1.  | LITO BAQUIRAN         | JDVC                 |                |                              |           |
| 2.  | JAN ESPERIM           | JDVC                 |                | jan.esperim@key.com          |           |
| 3.  | DEZA MONDRAGON        | JDVC                 |                | deza.mondragon@philkaira.com |           |
| 4.  | JOP JAME              | JDVC                 |                | jjonjose@gmail.com           |           |
| 5.  | WENS RESURRECCION     | JDVC                 |                | rdresurreccion.phdyc.com     |           |
| 6.  | JESUS V. VEROCER      | JDVC                 |                | jesu.verocer@yahoo.com.ph    |           |
| 7.  | Louis T. Santos       | JDVC                 |                | louis.santos@gmail.com       |           |
| 8.  | Rossana Jane Urbina   | JDVC                 |                | jhoign.urbina@gmail.com      |           |
| 9.  | FERNANDO S. AGRAAN    | JDVC                 |                | www.agraan.org@gmail.com     |           |
| 10. | Judy Ann L. Romero    | JDVC                 |                | juldesiderata@gmail.com      |           |
| 11. | Mary Joy A. Abiter    | JDVC                 |                | abiter.maryjoy@yahoo.com     |           |
| 12. | Paul Anthony P. Diate | JDVC                 |                | paulonate@yahoo.com          |           |
| 13. | Rommel G. Estimada    | JDVC                 |                | rommel.estimada@gmail.com    |           |
| 14. |                       |                      |                |                              |           |
| 15. |                       |                      |                |                              |           |



# **MINUTES OF THE INFORMATION, EDUCATION AND COMMUNICATION (IEC) for the PROPOSED EXPANSION OF EXTRACTION VOLUME OF THE CAGAYAN OFFSHORE MAGNETITE MINING PROJECT**

Venue : Crab Hotel, Municipality of Buguey, Province of Cagayan  
 Date : November 6, 2019 (Wednesday)  
 Attendees : (Please see attached attendance sheets)

- I. The program started at around 9:00 AM with an invocation led by the barangay kagawad of Minanga Weste, followed by the singing of the Philippine National Anthem led by Ms. Mercedes Taloza, barangay secretary of Brgy. Mala Este.
- II. Mr. Fernando Paraan acknowledged the presence of the participants of the activity.
- III. The rationale of the activity was presented Mr. Louis Santos, Vice President for Exploration, followed by the project presentation led by Mr. Jesus Verocel, President, Technical Division.
- IV. Mr. Jan Julio Espiritu, Environmental Team – JDVC, led the presentation of the proposed expansion of the project, including initial information about the proposed expansion, its location, project scope, and objectives of the activity.
- V. After the presentation, welcome remarks and an inspirational message was delivered by Hon. Lloyd Antipora, Mayor of Buguey.
- VI. An Open Forum was facilitated by Mr. Jan Julio Espiritu, allowing the concerned barangay officials and stakeholders to raise their concerns and questions regarding the proposed project expansion.

## **SUMMARY OF ISSUES RAISED AND REPONSES MADE**

| PARTY WHO RAISED THE ISSUE / SECTOR REPRESENTED                         | CONCERNS / ISSUES  | RESPONSE (Responding party / Response)   |
|---|--|--|
| 1. <b>Mr. Charlemagne Fariñas</b> , <i>Kagawad, Brgy. Minanga Weste</i> | The people in our barangay are fishermen. According to BFAR, catching of 'Buli-Buli' fish is prohibited because it destroys the corals, but there are no corals in our barangay. I hope that we can continue the fishing of 'Buli-Buli' fish.  | <b>Ms. Aileen P. Prudencio</b> ,<br><i>Representative – Bureau of Fisheries and Aquatic Resources (BFAR):</i><br><br>I want to clarify that it's not prohibited to fish for 'Buli-Buli' offshore or beyond the 15 km zone. It's not allowed to fish within the municipal waters. |
| 2. <b>Mr. Ricardo Singson</b> ,<br><i>Representative, MPDC, Buguey</i>  | The livelihood of the people of Minanga Weste is fishing for 'Buli-Buli' fish. BFAR prohibits catching the 'Buli-Buli' fish because the it destroys the corals, but there are no corals here in Buguey. The barangay kagawad of Minanga Weste wants to express that no corals will be destroyed, so they want to continue the 'Buli-Buli' fishing operations here in |  |

| PARTY WHO RAISED THE ISSUE / SECTOR REPRESENTED                       | CONCERNS / ISSUES  | RESPONSE (Responding party / Response)   |
|---|--|--|
|   | Buguey.  |  |
| <b>3. Mr. Rodrigo dela Rosa</b><br><i>Secretary, Brgy. Mala Weste</i> | Many people, including barangay officials, has experienced good benefits from the magnetite mining operations in the past. We have personally experienced these benefits, and it is very helpful for us. | <b>Mr. Jan Julio Espiritu,</b><br><i>Environmental Team – JDVC Resources Inc.:</i><br><br>We will have that on record. It is duuly noted.  |
| <b>4. Mr. Bernard Cabayan,</b><br><i>Kagawad, Brgy. Minanga Weste</i> | Is it possible for you to hire the residents of Buguey in your mining project?   | <b>Mr. Paul Anthony Unate,</b><br><i>Technical Team – JDVC Resources Inc.:</i><br><br>The host community are our priority in hiring employees for our mining project. We will post a notice regarding the job openings. As long as the person is qualified, he/she will be given a position.<br><br><b>Mr. Jan Julio Espiritu,</b><br><i>Environmental Team – JDVC Resources Inc.:</i><br><br>According to the law, the first priority are always the residents from the host community, which are the coastal barangays invited today. Next are the adjacent barangays of the host community. They can also be hired as long as they are qualified for the job. |
| <b>5. Mr. Leonardo Supnet,</b><br><i>Kagawad, Brgy. Villa Leonora</i> | We want to have a seawall in our barangay.   | <b>Mr. Louis Santos,</b> <i>Vice President for Exploration, JDVC Resources Inc.:</i><br><br>The seawall that you are requesting for can be included in the Social Development and Management Program (SDMP) of our project. According to the representative from the DPWH, there are seawalls that will also be installed here in Buguey, in the future.   |
| <b>6. Mr. Rolie de Guzman,</b>  | We catch crabs for a living. Will magnetite mining affect us in our crab   | <b>Mr. Jesus Verocel,</b> <i>President, Technical Division, JDVC</i>   |

| PARTY WHO RAISED THE ISSUE / SECTOR REPRESENTED                           | CONCERNS / ISSUES  | RESPONSE (Responding party / Response)  |
|---|--|---|
| <i>Brgy. San Isidro</i>   | fishing?   | <p><i>Resources Inc.:</i></p> <p>In our mining operation, our suction will collect sand from beneath the sea. It will not affect your crab fishing. We have a systematic way of mining, wherein only sixteen (16) hectares of sand will be mined annually. We will rehabilitate the areas we have already mined, so it can still be used by the fisherfolks. This is a give-and-take system for the both of us and we will have a consensus with all the affected fisherfolks</p>   |
| <p><b>7. Ms. Kimberly Mak,</b><br/>Peace Corps Volunteer,<br/>Buguey</p>  | <p>What is the recommended distance that the residents and fisherfolks should stay away from the mining operations area?</p>   | <p><b>Mr. Louis Santos,</b> <i>Vice President for Exploration, JDVC Resources Inc.:</i></p> <p>We have a 500-meter buffer zone from the operational area. It serves as protection, not only for the operation, but also for the fisherfolks, promoting freedom of navigation within the area.</p>   |
| <p><b>8. Mr. Noel Palejo,</b><br/>Representative, <i>DENR – CENRO</i></p> | <p>What is the meaning of "JDVC"?</p> <p>Based on the 500m buffer zone, from the mid length to the sea, how many kilometers will you consider before starting the actual mining operations?</p> <p>How many 'meredional blocks' does the company own, with regards to the mining operation?</p> <p>How are you planning to mine the area based on the 'regional' blocks that you have?</p> | <p><b>Mr. Louis Santos,</b> <i>Vice President for Exploration, JDVC Resources Inc.:</i></p> <p>The meaning of JDVC: "JD", It's an acronym for the owner of the company, Jun De Leon, "V" is for victory, while "C" is the favorite letter of the owner.</p> <p>Our operation from the shoreline going to the offshore, is between 14 to 15 kilometers.</p> <p>Regarding the meredional blocks, it was implemented six (6) years ago. Newer applications are required to be applied in meridional blocks, having eighty-one (81) hectares each. For the case of JDVC, it was applied</p> |

| PARTY WHO RAISED THE ISSUE / SECTOR REPRESENTED                             | CONCERNS / ISSUES  | RESPONSE (Responding party / Response)   |
|---|--|--|
|   |  | <p>before meridional blocks were implemented. In the past, mining claims were allowed as long as it does not exceed the sixteen thousand four hundred (16,400) hectare offshore limit per company, per province. JDVC has acquired only fourteen thousand (14,000) hectares.</p> <p>The meridional block is for application purposes. Mining blocks are designed by the company and will be implemented once operational. These blocks are environmentally and scientifically safe. It was already agreed upon and approved by the national government.</p>  |
| <p><b>9. Ms. Kimberly Mak,</b><br/><i>Peace Corps Volunteer, Buguey</i></p> | <p>I have read an article that a portion of Gonzaga is subsequently submerged in water because of mining. Mining involves getting the sand from the bottom of the sea. When mined sand will be returned to the top, there will be a gap in the sand. Is this the cause of more flooding?</p> | <p><b>Mr. Louis Santos,</b> <i>Vice President for Exploration, JDVC Resources Inc:</i></p> <p>We have allotted a buffer zone for the sand, based on the discharge. The sand will settle naturally to the bottom of the sea through time. Due to the mining block, we have a buffer zone to protect the subsidence of the sand. What we are doing right now, we are currently researching on the simulation and after effects of the sand, to further improve the areas after the operation.</p> <p><b>Mr. Jan Julio Espiritu,</b><br/><i>Environmental Team – JDVC Resources Inc.::</i></p> <p>There are no scientific studies that proves that this gap has a relationship with the flooding.</p> |
| <p><b>10. Ms. Agnes Baluyot,</b><br/><i>Kagawad, Brgy. Sta. Maria</i></p>   | <p>How to explain to the community that, not only the barangay officials, but also the community itself that will benefit from</p>   | <p><b>Mr. Paul Anthony Unate,</b><br/><i>Technical Team – JDVC Resources Inc.:</i></p>   |

| PARTY WHO RAISED<br>THE ISSUE / SECTOR<br>REPRESENTED | CONCERNS / ISSUES   | RESPONSE (Responding party /<br>Response)  |
|---|---------------------|--|
|   | the mining project? | We have the Social Development Management Program (SDMP) that the community will also benefit from. The SDMP will address the various needs of the people. |

IV. With no other concerns, the IEC activity was ended at 11:33 AM.

Prepared by: Jonathan B. Josue



**PHOTODOCUMENTATION OF THE INFORMATION, EDUCATION AND COMMUNICATION (IEC) PROGRAM CONDUCTED LAST NOVEMBER 6, 2019 IN THE MUNICIPALITY OF BUGUEY**  
*Project: PROPOSED EXPANSION OF EXTRACTION VOLUME OF THE CAGAYAN OFFSHORE MAGNETITE MINING PROJECT*  
*Project Proponent: JDVC RESOURCES CORPORATION*  
*Project Location: MUNICIPALITIES OF APPARRI, BUGUEY AND GONZAGA, PROVINCE OF CAGAYAN*

The program started off with the registration of the invitees from the LGU of the different coastal barangays in Buguey, Cagayan. There are a total of 12 coastal barangays and different departments from the Municipality of Buguey and their current mayor Hon. Llyod M. Antiporda were present during the IEC activity.



After registration, the Invocation was led by one of the Kagawad of Barangay Minanga Weste followed by the singing of the National Anthem led by the Secretary of Barangay Mala Este Ms. Mercedes Talaza.



Introduction of participants was led by Mr. Fernando Paraan, CRU of JDVC Resources Corporation. The project brief background was discussed by the Ms. Louis Santos, Vice-President for Exploration of JDVC and Mr. Jesus Verocel, President of Agbiag Mining and Development Corporation.



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**Project Location: MUNICIPALITIES OF APARRI, BUGUEY AND GONZAGA, PROVINCE OF CAGAYAN**



The proposed expansion of extraction volume was then presented by Mr. Jan Julio Espiritu. The presentation includes the initial information about the proposed expansion, location, scope, objectives and benefits of the incoming project.



The Mayor of Buguey, Hon. Llyod Antiporda have given his short welcoming remarks for his constituents and presenters from JDVC.



After the Mayor's speech, an open forum was facilitated by Mr. Espiritu allowing the concerned coastal barangay officials to raise their concerns and questions regarding the proposed project.

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Mr. Charliemagne Fariñas, Brgy. Kagawaf of Minanga Weste together with Mr. Ricardo Singson, MPDC of Buguey, raised their concerns regarding the restricting of *Buli-buli* fishing activity in their coastal areas.



Ms. Aileen Prudencio, representative from BFAR of Buguey clarifies that it is only prohibited to fish in the municipal waters of Buguey.



Mr. Rodrigo dela Rosa, Brgy. Secretary of Mala Weste have stated the good benefits he have experienced for the magnetite mining operations from the past.





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Mr. Bernard Cabayan, Brgy. Kagawad of Minanga Weste, raised his concern regarding the hiring of workers for the project. Mr. Paul Oñote, VP for CSEC (Compliance Safety and Community Relations) and Mr. Espiritu gives assurance to the stakeholders that the law requires that the company should prioritize hiring of qualified manpower from the host communities.



Mr. Leonard Supnet, Brgy. Kagawad of Villa Leonora, raised his concern regarding putting up a seawall for the protection of the coastal barangays. Mr. Louis Santos of JDVC answered that this concern can be included in the SDMP plan of their project. According to the representative of DPWH, Mr. Edwin Cariño,



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Mr. Rollie De Guzman of Brgy. San Isidro asked if this project would affect their harvests of crabs. Mr. Jesus Verocel responded to the query of Mr. De Guzman saying that the suction vessel will not affect the crab fishing in the area and that they have a systematic way of mining and that they rehabilitate the areas they have mined so that they can still be useful for the fisherfolks.



Ms. Kimberly Mak from the Peace Corps Volunteer of Baguey, asked the recommended distance from the mining operations of the residents and fisherfolks. Mr. Louis Santos said that they have a 500-meter buffer zone from the operational area.



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**Project Location: MUNICIPALITIES OF APPARRI, BUGUEY AND GONZAGA, PROVINCE OF CAGAYAN**

Mr. Noel Palejo, Forester from the DENR-CENRO, asked regarding the distance they considering before starting the actual mining operations and the meridional blocks the company implements. Mr. Loius Santos stated that they implement a 14 – 15 kilometers from the offshore. Regarding the meridional blocks, the company applied it 6 years ago. It was designed by the company and will be implemented once operational.



Ms. Kimberly Mak raises another concern regarding the portion of Gonzaga that is subsequently submerged in water because of mining and asked if will this project cause more flooding the coastal areas. Mr. Louis Santos replied that the sand will naturally settle and that the company is currently researching on the simulation and after effects of the sand. Mr. Jan Julio Espiritu also added that there are still no scientific studies that these gaps have a relationship with flooding.



Ms. Agnes Baluyot, Brgy. Kagawad of Sta. Maria, asked the proponent for assistance to explain to the community that the community itself will benefit from the project. Mr. Paul Oñate replied that the SDMP will address the various needs of the people.





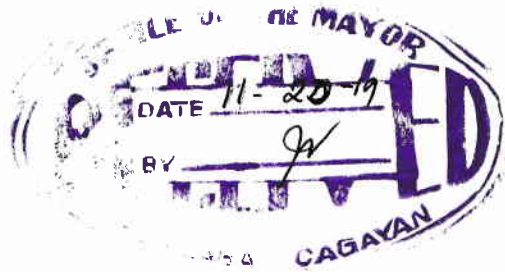
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***Project:* PROPOSED EXPANSION OF EXTRACTION VOLUME OF THE CAGAYAN OFFSHORE MAGNETITE MINING PROJECT**

***Project Proponent:* JDVC RESOURCES CORPORATION**

***Project Location:* MUNICIPALITIES OF APARRI, BUGUEY AND GONZAGA, PROVINCE OF CAGAYAN**

With no other concerns, a perception survey was conducted and answered by the stakeholders. The IEC activity ended at 11:33 AM.



November 15, 2019

**HON. MARILYN S. PENTECOSTES**  
Municipal Mayor  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan Offshore Magnetite Mining Project**

Dear **Mayor Pentecostes**:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

As an initial activity, we are currently conducting a project presentation with concerned stakeholders. For the Municipal Government of Gonzaga, particularly its executive offices and department heads, we would like to solicit your participation in the said activity. We intend to hold the activity on **November 29, 2019 (Friday), 8:00 a.m** at the **Function Hall of Gonzaga Riverview Hotel and Resort, Gonzaga, Cagayan**.

Further, we are extending this invitation to the following departments:

1. Office of the Vice Mayor
2. Municipal Council
3. Department Head of the Municipal Planning and Development Office
4. Department Head of the Municipal Environmental and Natural Resources Office
5. Department Head of the Municipal Engineering Office
6. Department Head of the Municipal Health Office
7. Department Head of the Municipal Disaster Risk Reduction Management Office
8. Department Head of the Municipal Agricultural Office
9. Department Head of the Municipal Social Welfare and Development Office
10. Department Head of the Municipal Traffic Management Office

Should you have any queries, you may call us at 0999.881.2805 or 0975.092.3459 and look for Ms. Deza Mae Mondragon and Ms. Mary joy A. Abliter.

We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,



**PAUL ANTHONY P. ONATE**  
Authorized Representative

November 15, 2019

**HON. CECELIA MORALES**  
Barangay Captain  
Barangay Baua  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan offshore Magnetite Mining Project**

Dear Madam:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

As an initial activity, we are currently conducting a project presentation with concerned stakeholders, part of which is your barangay. We intend to hold the activity on **November 29, 2019 (Friday), 8:00 a.m at the Function Hall of Gonzaga Riverview Hotel and Resort, Gonzaga, Cagayan.**


In view of this, we would like to request for an audience with your office together with the members of the barangay council and the following sectoral representatives:

- Chairperson, Sangguniang Kabataan
- Head/Chairperson, Women's Group
- Head/Chairperson, Senior Citizens Group
- Head/Chairperson, Person's with Disability Group
- Head, Barangay Health Units
- Group Leader/s from Fisherfolks Organization/Cooperative (if there are any)
- Representative/s from Religious Sector (Parish Priest, Minister, Pastor and the like)

Should you have any queries, you may call us at 0999.881.2805 or 0975.092.3459 and look for Ms. Deza Mae Mondragon and Mary joy A. Abliter.

We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,  
  
**PAUL ANTHONY P. ONATE**  
Authorized Representative

received by  
PTP  
11/20/19

November 15, 2019

**HON. ROMULO TACUYCUY**  
Barangay Captain  
Barangay San Jose  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan Offshore Magnetite Mining Project**

Dear Sir:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

  
**PAUL ANTHONY PONATE**  
Authorized Representative

  
**ROMULO TACUYCU**  
11-20-19

November 15, 2019

**HON. ANGELITO SALVADOR**  
Barangay Captain  
Barangay Caroan  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan Offshore Magnetite Mining Project**

Dear Sir:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

  
**PAUL ANTHONY PONATE**  
Authorized Representative

8\* 11/20/19



November 15, 2019

**HON. JOEY DOCTOLERO**  
Barangay Captain  
Barangay Casitan  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan Offshore Magnetite Mining Project**

Dear Sir:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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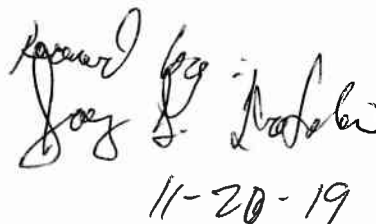
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Thank you and more power.

Respectfully yours,

  
**PAUL ANTHONY P. ONATE**  
Authorized Representative

  
11-20-19

November 15, 2019

**HON. DANILO DOMINGO**  
Barangay Captain  
Barangay Tapel  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan Offshore Magnetite Mining Project**

Dear Sir:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

  
**PAUL ANTHONY PONATE**  
Authorized Representative

  
11/20/19

November 15, 2019

**HON. EDGAR B. RASOS**  
Barangay Captain  
Barangay Ipil  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan Offshore Magnetite Mining Project**

Dear Sir:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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Thank you and more power.

Respectfully yours,

  
**PAUL ANTHONY PONATE**  
Authorized Representative

 - NOV. 20-19

November 15, 2019

**HON. JOEL CASTAÑEDA**  
Barangay Captain  
Barangay Callao  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan offshore Magnetite Mining Project**

Dear Sir:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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Thank you and more power.

Respectfully yours,



**PAUL ANTHONY PIONATE**  
Authorized Representative

Received By:  
Joel Castañeda  
Nov 20, 2019



November 15, 2019

**HON. GILBERT OMOTOY**  
Barangay Captain  
Barangay Amunitan  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan offshore Magnetite Mining Project**

Dear Sir:

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Thank you and more power.

Respectfully yours,

  
**PAUL ANTHONY PONATE**  
Authorized Representative

RECEIVED  
11-20-19  
P. CRISTINA ANDISCA

November 15, 2019

**HON. ROBERTO P. BAAY**  
Barangay Captain  
Barangay Minanga  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan offshore Magnetite Mining Project**

Dear Sir:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

  
**PAUL ANTHONY PONATE**  
Authorized Representative

Unit 504 Galleria Corporate Center, EDSA cor. Ortigas Avenue, Brgy Ugong Norte, Quezon City 1110, Metro Manila, Philippines

[www.jdvcresources.com](http://www.jdvcresources.com)

*Quicela*  
*Angela C. Nicolas*  
*11-20-2019*

November 15, 2019

**HON. BONIFACIO A. TABERLO**  
Barangay Captain  
Barangay Batangan  
Municipality of Gonzaga  
Province of Cagayan

Subject: **Proposed Expansion of Extraction Volume of Cagayan offshore Magnetite Mining Project**

Dear Sir:

Our company is preparing for the conduct of an Environmental Impact Assessment (EIA) for our Proposed Expansion of Cagayan Magnetite Mining Project located at Municipalities of Aparri, Buguey and Gonzaga, Province of Cagayan.

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- Head, Barangay Health Units
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We look forward to your support and valuable participation.

Thank you and more power.

Respectfully yours,

  
**PAUL ANTHONY P. OÑATE**  
Authorized Representative

## ATTENDANCE SHEET

Location: Gonzaga Riverview Hotel and Resort Date: 11/29/19  
MLGU

| NO. | NAME                 | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE          |
|-----|----------------------|----------------------|----------------|---------------|--------------------|
| 1.  | VIVENCIO R. AGCAOILI | HGO/TAMC             | 09977236078    |               | <i>[Signature]</i> |
| 2.  | BENNY FRED C SANDI   | MEMRO                | 09151593281    |               | <i>[Signature]</i> |
| 3.  | ROGERIO S. SICA      | PPLD DOS.            | 09151521804    |               | <i>[Signature]</i> |
| 4.  |                      |                      |                |               |                    |
| 5.  |                      |                      |                |               |                    |
| 6.  |                      |                      |                |               |                    |
| 7.  |                      |                      |                |               |                    |
| 8.  |                      |                      |                |               |                    |
| 9.  |                      |                      |                |               |                    |
| 10. |                      |                      |                |               |                    |
| 11. |                      |                      |                |               |                    |
| 12. |                      |                      |                |               |                    |
| 13. |                      |                      |                |               |                    |
| 14. |                      |                      |                |               |                    |
| 15. |                      |                      |                |               |                    |



## ATTENDANCE SHEET

Location: Gonzaga Riverview Hotel and Resort Date: \_\_\_\_\_  
Barangay Caliao

| NO. | NAME                    | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE  |
|-----|-------------------------|----------------------|----------------|---------------|------------|
| 1.  | JENNY G. ABLITER        | BRGY SEC.            | 09450662274    |               | Jabliter   |
| 2.  | ZENAIDA R. ANGELES      | PHW                  | 09656778635    |               | Zranngelen |
| 3.  | Demetria B. Nolasco     | President R.I.C.     |                |               | Demetria   |
| 4.  | Jely A. Castañeda       | Kagawad              | 09275997592    |               | JCastaneda |
| 5.  | Joel S. Castañeda       | P.B.                 | 09099375662    |               | Joel       |
| 6.  | JOEY R. BUTAGAN         | KAGAWAD              |                |               | Joey       |
| 7.  | Alma T. Domingo         | Kagawad              | 09164982810    |               | Alma       |
| 8.  | Marcelo T. de Guzman    | KAGAWAD              |                |               | Marcelo    |
| 9.  | KAREN T. REONIZEX       | KAGAWAD              |                |               | Karen      |
| 10. | Joey D. Nolasco         | KAGAWAD              |                |               | Joey       |
| 11. | Nelson Domingo          | KAGAWAD              |                |               | Nelson     |
| 12. | SATURNINO A. DUMLAN JR. |                      | 09067091255    |               | Saturnino  |
| 13. | Bonifacio B. Buan       | Gospel Minister      | 09066928329    |               | Bonifacio  |
| 14. | Arnel Nolasco           | Caliao               | 09266014126    |               | Arnel      |
| 15. |                         |                      |                |               |            |



## ATTENDANCE SHEET

Location: Gonzaga Riverview Hotel and Resort Date: \_\_\_\_\_  
JDVC

| NO. | NAME                       | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE |
|-----|----------------------------|----------------------|----------------|---------------|-----------|
| 1.  | Mary joy A. Abliter        | JDVC                 | 0975 0923459   |               |           |
| 2.  | Joan Carlo De Guzman       |                      |                |               |           |
| 3.  | ADRIAN LUCAS               |                      |                |               |           |
| 4.  | DR. ROWENA D. RESURRECCION | JDVC                 | 09796047932    |               |           |
| 5.  | JAN JULIO BODIMAN          | JDVC                 | 09178350897    |               |           |
| 6.  | DEZA MARE MONDRAGON        | JDVC                 |                |               |           |
| 7.  | LITO BAQUIRAN              | JDVC                 |                |               |           |
| 8.  | ONTE, ROMIO A.             | JDVC                 | 0906 5408796   |               |           |
| 9.  | JESUS V. VEROCEL           | JDVC                 | 09178940066    |               |           |
| 10. | Louis Santos               | JDVC                 | 09266770595    |               |           |
| 11. | Rommel G. Esfimada         | JDVC                 | 09368612074    |               |           |
| 12. | PAUL ONATE                 | JDVC                 |                |               |           |
| 13. |                            |                      |                |               |           |
| 14. |                            |                      |                |               |           |
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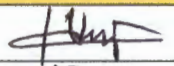




## ATTENDANCE SHEET

Location: Gonzaga Riverview Hotel and Resort

Date: 11/29/19

Barangay Amunitan

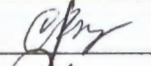

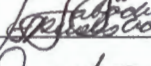
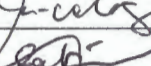
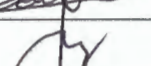
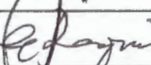
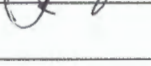
| NO. | NAME              | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|-------------------|----------------------|----------------|---------------|---|
| 1.  | GIUBERT C. OMOLOY | P.B                  | 0916253351     | -2            |  |
| 2.  | HONORIO B. LEM    | FISHERFOLK (SC)      | 09753094464    |               |  |
| 3.  | SEBASTIEN RICO    | CHAURCH              | 09657909131    |               |  |
| 4.  |                   |                      |                |               |   |
| 5.  |                   |                      |                |               |   |
| 6.  |                   |                      |                |               |   |
| 7.  |                   |                      |                |               |   |
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| 13. |                   |                      |                |               |   |
| 14. |                   |                      |                |               |   |
| 15. |                   |                      |                |               |   |

## ATTENDANCE SHEET

Location: **Gonzaga Riverview Hotel and Resort**

Date: 11/29/19

Barangay Minanga

| NO. | NAME                   | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE  |
|-----|------------------------|----------------------|----------------|---------------|--|
| 1.  | Charles Philip A. Baay | Fisherfolk           | 09753271244    |               |   |
| 2.  | Pomian B. Tamayo       | Brgy. KOL.           | 0945246584     |               |   |
| 3.  | Aldrin A. Realizado    | SK Chairman          | 09564151168    |               |   |
| 4.  | AMANDA C. NIWZAS       | Brgy. SEC            | 0997079100     |               |   |
| 5.  | Elorche G. Laching     | Brgy. KAL            | 09653116231    |               |   |
| 6.  | Roberto D. Baay        | P. B                 | 09756564518    |               |   |
| 7.  | Edna A. Raguirin       | Kagawad              | 09352498790    |               |  |
| 8.  |                        |                      |                |               |  |
| 9.  |                        |                      |                |               |  |
| 10. |                        |                      |                |               |  |
| 11. |                        |                      |                |               |  |
| 12. |                        |                      |                |               |  |
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| 14. |                        |                      |                |               |  |
| 15. |                        |                      |                |               |  |


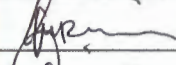
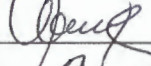
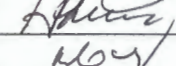
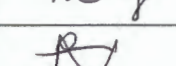
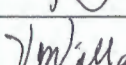
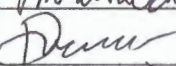






## ATTENDANCE SHEET

Location: **Gonzaga Riverview Hotel and Resort**

Date: 11/29/19

Brgy. Casitan

| NO. | NAME                   | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|------------------------|----------------------|----------------|---------------|---|
| 1.  | JOEY S. DOCTOLERO      | CASITAN - CAPT       | 09067485252    |               |    |
| 2.  | KARIZ R. YUANAO        | BRGY KAG.            | 09207446761    |               |    |
| 3.  | MARGARITE C. IRANCA    | BRGY SECRETARY       | 0920382665     |               |    |
| 4.  | ROMEO C. JAVIER        | BRGY LAC.            |                |               |    |
| 5.  | MONSERRAT B. ALCANTARA | BHS                  |                |               |    |
| 6.  | REY T. SEPTIMO         | KAG.                 |                |               |    |
| 7.  | Vicente M. Villara Jr  | Kag.                 |                |               |   |
| 8.  | Fidel Doniego          | Kag.                 |                |               |  |
| 9.  | JAMIE M. PESCADOR      | BRGY. KAG.           | 09066603149    |               |  |
| 10. | JOEL S. IRANCA         | Fisherfolk           |                |               |  |
| 11. | EDEZ R. VISAYA         | BRGY KAG CASITAN     |                |               |  |
| 12. |                        |                      |                |               |   |
| 13. |                        |                      |                |               |   |
| 14. |                        |                      |                |               |   |
| 15. |                        |                      |                |               |   |

## ATTENDANCE SHEET

Location: **Gonzaga Riverview Hotel and Resort**

Date: 11/29/19

Darangay Bana

| NO. | NAME                   | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE          |
|-----|------------------------|----------------------|----------------|---------------|--------------------|
| 1.  | CECILIA G. MORALES     | P.B                  |                |               | <i>[Signature]</i> |
| 2.  | WILMA B. JUAN          | Kag.                 |                |               | <i>[Signature]</i> |
| 3.  | PABLO T. NICOLAS       | Kag.                 |                |               | <i>[Signature]</i> |
| 4.  | Madelyne D. Banera     | kag.                 |                |               | <i>[Signature]</i> |
| 5.  | Roselinda A. Pua       | Senior               |                |               | <i>[Signature]</i> |
| 6.  | Marilyn A. Umberger    | kag.                 |                |               | <i>[Signature]</i> |
| 7.  | WILLIAM C. PASCUAL JR. | Kag.                 |                |               | <i>[Signature]</i> |
| 8.  | MARK DENVER ROSARIO    | SK CHAIRMAN          |                |               | <i>[Signature]</i> |
| 9.  |                        |                      |                |               |                    |
| 10. |                        |                      |                |               |                    |
| 11. |                        |                      |                |               |                    |
| 12. |                        |                      |                |               |                    |
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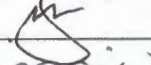
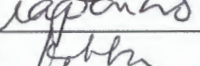
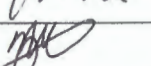
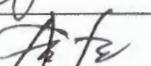
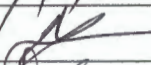
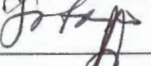




## ATTENDANCE SHEET

Location: Gonzaga Riverview Hotel and Resort

Date: 11/29/19

Patangan

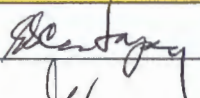

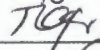

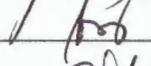

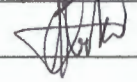
| NO. | NAME                 | DESIGNATION & OFFICE    | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|----------------------|-------------------------|----------------|---------------|---|
| 1.  | Flor F. Rabano       | Brgy. Secretary         | 09752371115    |               |    |
| 2.  | JRMAR C. RAPONAN     | <del>PR.</del> CHAIRMAN | 09067387180    |               |    |
| 3.  | Irene A. Pano        | Brgy. Kagawad           | 09057513039    |               |    |
| 4.  | Terence M. Siabchi   | Brgy. Kagawad           | 09550868555    |               |    |
| 5.  | Zaldy F. Antic       | Brgy. Kagawad           | 09657241404    |               |    |
| 6.  | Aljo A. Flores       | Brgy. Kagawad           | 09266533071    |               |    |
| 7.  | MELFORD A. Antonio   | Brgy. KAGAWAD           | 0936762991     |               |   |
| 8.  | JANETTE RABANO       | Brgy. Kagawad           | 09556637476    |               |  |
| 9.  | Bonifacio J. Taberbo | Brgy. P.B               | 0969603601     |               |  |
| 10. |                      |                         |                |               |   |
| 11. |                      |                         |                |               |   |
| 12. |                      |                         |                |               |   |
| 13. |                      |                         |                |               |   |
| 14. |                      |                         |                |               |   |
| 15. |                      |                         |                |               |   |

## ATTENDANCE SHEET

Location: **Gonzaga Riverview Hotel and Resort**

Date: 11/29/19

Brgy. Sta. Cruz

| NO. | NAME                | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS        | SIGNATURE   |
|-----|---------------------|----------------------|----------------|----------------------|---|
| 1.  | Leticia S. Cumbagay | Brgy. Kagawad        | 09454823188    |                      |  |
| 2.  | LETICIA P. URDINA   | Brgy. Kag.           | 09068668966    |                      |  |
| 3.  | THELMA O. TAHAYO    | Brgy. Kag.           | 09069387521    |                      |  |
| 4.  | Leticia T. Mediana  | CDU                  | 09771732182    |                      |  |
| 5.  | NENITA P. AYNYANG   | Kagawad              | 09756727818    | np.aynyang@yahoo.com |  |
| 6.  | MELANIO I. SANTIAGO | Kagawad              | 09168880986    |                      |  |
| 7.  | Arduo V. Alvarez    | D-B                  | 09169921338    |                      |  |
| 8.  |                     |                      |                |                      |   |
| 9.  |                     |                      |                |                      |   |
| 10. |                     |                      |                |                      |   |
| 11. |                     |                      |                |                      |   |
| 12. |                     |                      |                |                      |   |
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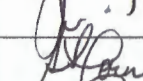
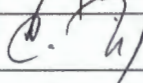




## ATTENDANCE SHEET

Location: **Gonzaga Riverview Hotel and Resort**

Date: 11/29/19

Brgy. San Jose

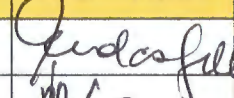
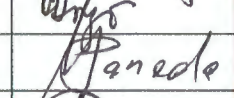

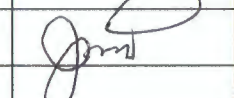
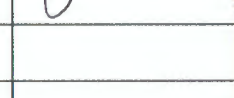

| NO. | NAME                 | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|----------------------|----------------------|----------------|---------------|---|
| 1.  | DARWIN CAMIT         | KAGAWAD              | 09168418792    |               |  |
| 2.  | MARVIN I. ASCADILI   | - d -                | 09168801339    |               |  |
| 3.  | Perlita T. Flores    | "                    | 09752754152    |               |  |
| 4.  | CATHERINE R. RICO    | R.I.C. PRIC          | 09351885760    |               |  |
| 5.  | Priscilla A. Tacuyuy | Kagawad              | 09050413438    |               |  |
| 6.  |                      |                      |                |               |   |
| 7.  |                      |                      |                |               |   |
| 8.  |                      |                      |                |               |   |
| 9.  |                      |                      |                |               |   |
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| 15. |                      |                      |                |               |   |

## ATTENDANCE SHEET

Location: **Gonzaga Riverview Hotel and Resort**

Date: 11/29/19

IAPEL

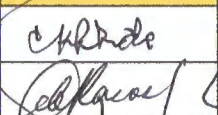
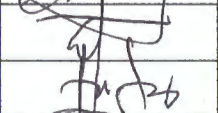

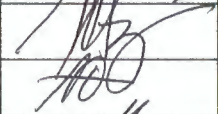
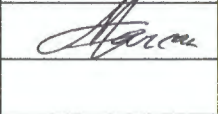




| NO. | NAME              | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|-------------------|----------------------|----------------|---------------|---|
| 1.  | Emma U. Castillo  | P.P.C Treasurer      | 0936215034     |               |    |
| 2.  | Virgie C. Domingo | Senior Treasurer     | 09050412571    |               |    |
| 3.  | MANILA M. PAREDA  | MTAREM               | 09752456163    |               |    |
| 4.  | Rudy V. Zisforay  | 11 111               |                | 1             |    |
| 5.  | MARITES S. JARA   | ARLOY KACAWAT        | 09253523013    |               |   |
| 6.  | JUDITH T. DOLORES | BHAW                 | 09050798791    |               |  |
| 7.  |                   |                      |                |               |   |
| 8.  |                   |                      |                |               |   |
| 9.  |                   |                      |                |               |   |
| 10. |                   |                      |                |               |   |
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| 13. |                   |                      |                |               |   |
| 14. |                   |                      |                |               |   |
| 15. |                   |                      |                |               |   |

## ATTENDANCE SHEET

Location: Gonzaga Riverview Hotel and Resort

Date: 11/22/19

Brgy. Ipil

| NO. | NAME                   | DESIGNATION & OFFICE | CONTACT NUMBER | EMAIL ADDRESS | SIGNATURE   |
|-----|------------------------|----------------------|----------------|---------------|---|
| 1.  | Clarito P. Lugo        | S.C.                 | 09057224797    |               |    |
| 2.  | Edgar B. Rasal         |                      |                |               |    |
| 3.  | ALEX FERRER TURNER JR. | SEA.                 |                |               |    |
| 4.  | METWARD A. TOMANENG    | BRGY KALAWAD         | 0927878567     |               |   |
| 5.  | RONALD O. ASUNCION     | "                    | 09169680988    |               |  |
| 6.  | Eddie X. Liapa         | Brgy. Lag            | 09976310245    |               |  |
| 7.  | WMA R. WUNTO           | "                    |                |               |  |
| 8.  | JOEMAR V. ORLANDA      | "                    | 09174917432    |               |  |
| 9.  | Alum D. Marcos         | SK Chairman          | 0975245-9116   |               |  |
| 10. |                        |                      |                |               |   |
| 11. |                        |                      |                |               |   |
| 12. |                        |                      |                |               |   |
| 13. |                        |                      |                |               |   |
| 14. |                        |                      |                |               |   |
| 15. |                        |                      |                |               |   |



**PHOTODOCUMENTATION OF THE INFORMATION, EDUCATION AND COMMUNICATION (IEC) PROGRAM CONDUCTED LAST NOVEMBER 29, 2019 IN THE MUNICIPALITY OF BUGUEY**  
**Project: PROPOSED EXPANSION OF EXTRACTION VOLUME OF THE CAGAYAN OFFSHORE MAGNETITE MINING PROJECT**

**Project Proponent: JDVC RESOURCES CORPORATION**

**Project Location: MUNICIPALITIES OF APPARRI, BUGUEY AND GONZAGA, PROVINCE OF CAGAYAN**

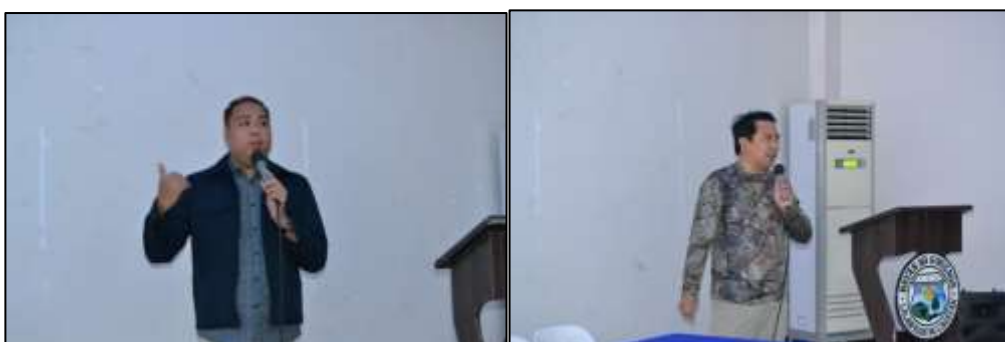
The program started off with the registration of the invitees from the LGU of the different coastal barangays of Gonzaga, Cagayan. There are a total of 11 coastal barangays and different departments from the Municipality of Gonzaga and their current mayor Hon. Marilyn Pentecostes were present during the IEC activity.



The Invocation was led by Dr. Rowena Resurreccion, one of JDVC's Environmental Team followed by the singing of the National Anthem and introduction of participants. The current Mayor of Gonzaga, Hon. Marilyn Pentecostes, gave her welcoming remarks.



The project brief background of the project was discussed by the Ms. Louis Santos, Vice-President for Exploration of JDVC and Mr. Jesus Verocel, President of Agbiag Mining and Development Corporation.





**PHOTODOCUMENTATION OF THE INFORMATION, EDUCATION AND COMMUNICATION (IEC) PROGRAM CONDUCTED LAST NOVEMBER 29, 2019 IN THE MUNICIPALITY OF BUGUEY**  
**Project: PROPOSED EXPANSION OF EXTRACTION VOLUME OF THE CAGAYAN OFFSHORE MAGNETITE MINING PROJECT**  
**Project Proponent: JDVC RESOURCES CORPORATION**  
**Project Location: MUNICIPALITIES OF APPARRI, BUGUEY AND GONZAGA, PROVINCE OF CAGAYAN**

The proposed expansion of extraction volume was then presented by Mr. Jan Julio Espiritu. The presentation includes the initial information about the proposed expansion, location, scope, objectives and benefits of the incoming project.



After the project presentation, an open forum was conducted and facilitated by Mr. Espiritu allowing the concerned coastal barangay officials to raise their concerns and questions regarding the proposed project.

Ms. Aurelia Rivera, Treasurer of Brgy. Callao, asked regarding the allotted budget for the livelihood programs that were formulated during the SDMP workshop they have conducted before. Mr. Paul Oñate of JDVC answered that the budget will be given once the commercial operation of the project has commenced.



Ms. Nenita Ayuyang, Brgy. Kagawad of Sta. Cruz, query about the equal benefits that each barangay would acquire once the project is operational. Mr. Espiritu assured that the concerned barangay communities will receive an equitable shares of benefits in this project.



With no other concerns, a perception survey was conducted and answered by the stakeholders. The IEC activity ended at 12 noon.





Republic of the Philippines  
Department of Environment and Natural Resources  
**ENVIRONMENTAL MANAGEMENT BUREAU**  
DENR Compound, Visayas Avenue, Diliman, Quezon City 1116  
Telephone Nos.: 927-15-17, 928-20-96  
Email: emb@emb.gov.ph  
Visit us at <http://www.emb.gov.ph>

20 MAY 2016

ECC-CO-1409-0021

**MR. NAPOLEON M. DE LEON, JR.**  
Vice President  
**JDVC RESOURCES CORPORATION**  
602 FSS Building, Scout Tuazon cor.  
Scout Caster Street, Quezon City

SUBJECT: **ENVIRONMENTAL COMPLIANCE CERTIFICATE**

Dear Sir:

This refers to your application for Environmental Compliance Certificate (ECC) and the submitted Environmental Impact Statement (EIS) for your proposed **CAGAYAN OFFSHORE MAGNETITE MINING PROJECT** to be located at Municipalities of Aparri, Buguey, and Gonzaga, Province of Cagayan.

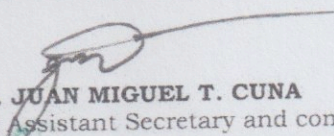
After satisfying the requirements and upon evaluation and assessment of the Environmental Impact Assessment Review Committee (EIARC), the Department of Environment and Natural Resources (DENR) through the Environmental Management Bureau (EMB), hereby grants the ECC in favor of the above-mentioned project.

With the issuance of this ECC, you are expected to comply with conditions therein set and to implement the measures presented in the EIS intended to protect and mitigate the project's adverse impacts on community health, welfare and the environment. However, you can proceed with project implementation only after securing the necessary permits and/or clearances from other pertinent Government Agencies. Environmental considerations shall be incorporated in all phases and aspects of the Project. This Office shall be monitoring the project periodically to ensure your strict compliance with stipulations cited in the attached ECC.

Please be guided accordingly.

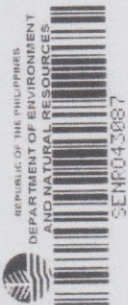
Very truly yours,

By the Authority of the Secretary

  
**ATTY. JUAN MIGUEL T. CUNA**  
DENR Assistant Secretary and concurrent  
EMB Director

cc: EMB Region II  
MGB Central Office  
MGB Region II  
LGU - Municipality of Aparri  
LGU - Municipality of Buguey  
LGU - Municipality of Gonzaga

LGU - Province of Cagayan  
Philippine Coast Guard  
Bureau of Fisheries and Aquatic Resources  
Philippine Ports Authority  
MARINA







**ENVIRONMENTAL COMPLIANCE CERTIFICATE**  
(Issued under Presidential Decree No. 1586)  
**ECC-CO-1409-0021**

THIS IS TO CERTIFY THAT THE PROPONENT, **JDVC RESOURCES CORPORATION**, as represented by its Vice President, **Mr. Napoleon M. De Leon, Jr.**, is granted this Environmental Compliance Certificate (ECC), for its proposed **Cagayan Offshore Magnetite Mining Project** to be located at **Municipalities of Aparri, Buguey, and Gonzaga, Province of Cagayan**, by the Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau (EMB), subject to the conditions and restrictions set out herein labeled as **Annexes A and B**.

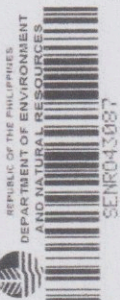
**PROJECT DESCRIPTION**

This Certificate shall cover the offshore magnetite mining in the Municipalities of Aparri, Buguey, and Gonzaga, Province of Cagayan within the 4999.2358 hectares of the 14,240-hectare claim covered by the Mineral Production Sharing Agreement (MPSA No. 338-2010-11-OMR). The geographical coordinates bounding the offshore mining area are as follows:

| POINT   | LATITUDE       | LONGITUDE       |
|---|----------------|-----------------|
| <b>Parcel A: Gonzaga (1902.5939 hectares)</b>                     |                |                 |
| 1   | 18° 26' 03.97" | 121° 52' 12.97" |
| 2   | 18° 27' 02.73" | 121° 52' 13.07" |
| 3   | 18° 26' 36.24" | 121° 53' 32.28" |
| 4   | 18° 27' 42.84" | 121° 58' 06.24" |
| 5   | 18° 26' 57.48" | 121° 58' 31.44" |
| 6   | 18° 25' 35.04" | 121° 53' 36.96" |
| <b>Parcel B: Buguey and Aparri (portion) (3096.6419 hectares)</b> |                |                 |
| 1   | 18° 31' 18.52" | 121° 35' 51.60" |
| 2   | 18° 31' 33.40" | 121° 35' 51.60" |
| 3   | 18° 31' 27.90" | 121° 40' 08.49" |
| 4   | 18° 31' 03.79" | 121° 44' 23.28" |
| 5   | 18° 31' 36.56" | 121° 44' 33.07" |
| 6   | 18° 31' 02.73" | 121° 52' 13.07" |
| 7   | 18° 31' 03.97" | 121° 52' 12.97" |
| 8   | 18° 31' 14.40" | 121° 44' 04.44" |

The proposed **Cagayan Offshore Magnetite Mining Project** shall have a maximum production rate of one million three hundred thousand dry metric tons (1,300,000 DMT) of magnetite iron sand concentrate per annum. It shall have the following facilities:

1. One (1) unit Siphon Vessel (dredge barge)
2. Three (3) units Self-propelled deck barges (separator barges)
3. One (1) unit Panamax Vessel
4. Gravity Separator
5. Magnetic Separator
6. Hopper/Chute
7. Generator Set





This Certificate is issued in accordance with the requirements of Presidential Decree No. 1586 and its Implementing Rules and Regulations. Non-compliance with any of the provisions of this Certificate shall be a sufficient cause for its cancellation and/or imposition of a fine in an amount not to exceed Fifty Thousand Pesos (P 50,000.00) for every violation thereof without prejudice to imposition of fines and penalties under other environmental laws. The EMB, however, is not precluded from reevaluating and correcting any deficiency or error that may be found after issuance of this Certificate.

Issued at DENR, Quezon City, Philippines, this

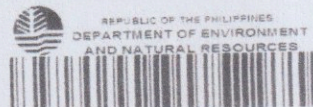
MAY 20 2016

Recommending Approval:

Approved by the Authority of the Secretary:

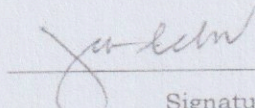
**ATTY. MICHAEL DRAKE P. MATIAS**  
Chief, EIAM Division

**ATTY. JUAN MIGUEL T. CUNA**  
DENR Assistant Secretary and concurrent  
EMB Director




**SWORN ACCOUNTABILITY STATEMENT**

I, **Mr. Napoleon M. De Leon, Jr.** of **JDVC Resources Corporation**, proponent of this **Cagayan Offshore Magnetite Mining Project**, to be located at Municipalities of Aparri, Buguey, and Gonzaga, Province of Cagayan, take full responsibility in complying with all conditions set forth in this Environmental Compliance Certificate (ECC).

  
Signature

TIN 181-075-780

Subscribed and sworn to before me on this \_\_\_\_ day of MAY 23 2016, the above-named affiant taking oath and presenting his/her \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_.

  
**ATTY. ERNESTO G. DEL ROSARIO**  
Notary Public for and in Calocan City  
Notarial Commission No. C-317 UNTL DEC. 31, 2017  
Signature of Administering Officer  
PTR NO. 7813543 - 01/04/2016 C.C.  
IRP NO. 1000544 - 01/4/2016 CALMANA  
MCLE CERTIFICATE NO. V-0004129  
ROLL NO. 36143

Doc. No. 262  
Page No. 57  
Book No. 111  
Series of 2014



## I. CONDITIONS

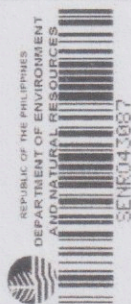
### ENVIRONMENTAL MANAGEMENT

All commitments, mitigating measures and monitoring requirements, contained in the Environmental Impact Statement (EIS) for the Cagayan Offshore Magnetite Mining Project, particularly in the Environmental Management Plan/Environmental Monitoring Plan (EMP/EMoP), as approved by the EMB, shall be instituted to minimize any adverse impact of the project to the environment throughout its implementation, including the following:

1. Conduct an effective Information, Education and Communication (IEC) Program to inform and educate all stakeholders, especially its contractors, workers and local residents about the mitigating measures embodied in its EIS, the conditions stipulated in this ECC and the environmental and human safety features of the Project for greater awareness, understanding and sustained acceptance of the Project. An annual detailed IEC program shall be implemented and proof of continuing compliance shall be submitted semi-annually as part of the Project's Compliance Monitoring Report (CMR) to the EMB Central Office (CO), copy furnished the EMB Region II;
2. The proponent shall enter into an agreement with the DENR Regional Office regarding the National Greening Program and/or carbon sink management program in line with DENR's thrust for GHG emissions reduction within six (6) months prior to project operation;
3. The extraction method shall be by dredging and magnetic separation. Blasting shall be strictly prohibited;
4. A Coastal Geohazard Assessment as required under the Mines and Geosciences Bureau (MGB) Memorandum Circular No. 2016-05 regarding Guidelines on Offshore Mining shall be submitted to the MGB for evaluation and approval copy furnished this Office;

### GENERAL CONDITIONS

5. The mining operations shall conform with the provisions of R.A. No. 6969 (*Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990*), R.A. No. 9003 (*Ecological Solid Waste Management Program Act of 2000*), R.A. No. 9275 (*Philippine Clean Water Act of 2004*), R.A. 9993 (*Philippine Coast Guard Law*) and the MARPOL Convention 73/78;
6. The proponent shall comply with the environmental management and protection requirements of the Philippine Mining Act of 1995 (RA No. 7942) and its Implementing Rules and Regulations (DAO 2010-21), and Harmonization of the Implementation of the Philippine Environmental Impact Statement System and the Philippine Mining Act of 1995 (DAO 2015-02), such as, but not limited to, the following:
  - a. Submission to the MGB for approval of an Environmental Protection and Enhancement Program (EPEP), including compliance with Section 5.1 of the MGB Memorandum Circular No. 2016-05, copy furnished EMB Central Office;

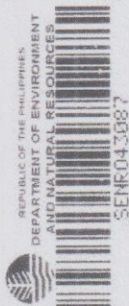




- b. Setting up of a Contingent Liability and Rehabilitation Fund (CLRF) and Environmental Trust Fund (ETF) within sixty (60) days from approval of this Certificate.
  - c. Establishment of a Multipartite Monitoring Team (MMT) to include Philippine Coast Guard (PCG), Bureau of Fisheries and Aquatic Resources (BFAR), and Maritime Industry Authority (MARINA) representatives;
  - d. Submission of a Social Development and Management Program (SDMP) within thirty (30) days from receipt of this Certificate to the MGB for approval. The EMB shall be furnished a copy of the SDMP within thirty (30) days from its approval;
  - e. Creation of Mine Environmental Protection and Enhancement Office (MEPEO) within thirty (30) days from receipt of this Certificate, which shall completely handle all environment-related aspects of the project. In addition to the compliance with monitoring requirements as specified in the EMP/EMoP, the MEPEO shall also monitor the actual project impacts vis-à-vis the predicted impacts and management measures stated in the EIS and submit a Compliance Monitoring Report (CMR) in accordance with the specific format in the Implementing Rules and Regulations (IRR) of the Philippine Environmental Impact Statement System (PEISS);
7. Secure endorsement/approval of concerned Sanggunian/s prior to project implementation pursuant to the provisions of Section 27 of the Local Government Code. Proof of which shall be submitted to EMB Central Office within sixty (60) days after issuance thereof by said the concerned Sanggunian/s;
  8. The Proponent shall ensure that its contractors and subcontractors including all its attending vessels shall properly comply with the relevant conditions of this Certificate;

## II. RESTRICTIONS

9. The proponent shall implement the project strictly in accordance with the MGB Memorandum Circular No. 2016-05;
10. Only vessels registered to and/or certified by concerned Government Agencies, such as MARINA and PCG, shall operate in the mining area;
11. No other activities shall be undertaken other than what were stipulated in the final EIS document. Any expansion or modification of the Project beyond the project description or any change in the activity shall be subject to a new EIA study; and
12. Transfer of ownership of this project carries these same conditions and restrictions for which written notification must be made by herein grantee to EMB within fifteen (15) days from such transfer.



O.R. No. : 5593644  
 Date : 07/03/2014  
 Processing Fee : PhP 6060.00



**PROJECT ASSESSMENT PLANNING TOOL**

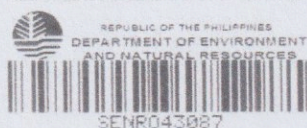
For the assistance of the proponent and the Government agencies concerned in the management of the Project and for better coordination to manage the project's environmental impacts, the following are being forwarded to the parties and authorities concerned for appropriate action.

| <b>RECOMMENDATIONS TO CONCERNED GOVERNMENT AGENCIES</b>  | <b>RESPONSIBLE AGENCY</b>           |
|--|-------------------------------------|
| 1. Monitor the project management's provision of rights and privileges for onshore and offshore workers for protection and social security.  | DOLE - Bureau of Working Conditions |
| 2. Proponent shall apply for the approval of the following documents: Notice to Mariners for the operation areas including buffer areas and areas to be occupied by the silt curtains and support vessels, Oil Spill Contingency Plan, Garbage Management Plan, Approval of Sewage Treatment Plant, Approval of Oil Water Separator, Hazardous Waste Management. | Philippine Coast Guard (PCG)        |
| 3. Compliance of the Project with the Sanitation Code.   | Local Government Unit (LGU)         |
| <b>ENVIRONMENTAL PLANNING RECOMMENDATIONS</b>  |                                     |
| 4. Priority of employment will be given to qualified local residents. Adequate public information for jobs available to local residents in the affected areas will to be provided.   |                                     |
| 5. An independent third party auditor will be commissioned to undertake an environmental audit, including risks and hazards of the Project. An annual report shall be submitted to EMB and the MGB.  |                                     |

For dissemination and proper action of the parties concerned.

**ATTY. MICHAEL DRAKE P. MATIAS**  
Chief, EIA Management Division

**ATTY. JUAN MIGUEL T. CUNA**  
DENR Assistant Secretary and concurrent  
EMB Director







Republic of the Philippines  
Department of Environment and Natural Resources  
**MINES AND GEOSCIENCES BUREAU**

North Avenue, Diliman, Quezon City, Philippines  
Tel. No. (+632) 928-8642 / 928-8937 Fax No. (+632) 920-1635 E-mail: [conral@mgb.gov.ph](mailto:conral@mgb.gov.ph)

June 24, 2010

**Mr. HUR HYUNG**

President

**Bo Go Resources Mining Corporation**

21 D LPL Building

No. 17 Eisenhower St., Greenhills

San Juan, Metro Manila

**Dear Mr. H. Hyung:**

We are forwarding a copy of the duly registered Mineral Production Sharing Agreement (MPSA) No. 338-2010-II-OMR executed on June 09, 2009 by and between the Philippine Government, thru the Department of Environment and Natural Resources, and Bo Go Resources Mining Corporation covering a contract area located in the offshore areas of Sanchez Mira, Pamplona, Abulug, Ballesteros. Aparri, Buguey and Gonzaga, Cagayan, for guidance and file.

Please be reminded of the provisions of Section 5.1. thereof, which states that *"The Contractor shall submit the proof of consultation with the majority of the Sanggunian concerned in the form of Resolution or Certification prior to the implementation of the Exploration Work Program as prescribed under the implementing rules and regulations of the Act."*

Please note also that the occupation fee paid on March 24, 2010 under Official Receipt No. 6897523 Q in relation to Exploration Permit No. EP-II-OMR-16-2010, applies to MPSA No. 338-2010-II-OMR. Thus, the next payment of the occupation fee shall be due on March 24, 2011, and every year thereafter.

Please abide strictly by the terms and conditions of MPSA No. 338-2010-II-OMR.

Thank you.

Very truly yours,

  
**EDWIN G. DOMINGO**

OIC, Director

Encl.: as stated

cc: The REGIONAL DIRECTOR  
Mines and Geosciences Bureau  
Regional Office No. II  
Government Regional Center  
Carg. Tuguegarao City

# MINERAL PRODUCTION SHARING AGREEMENT

No. 338-2010-II-OMR

This **MINERAL PRODUCTION SHARING AGREEMENT** is made and entered into in Quezon City, Philippines, this \_\_\_\_\_ day of JUN 09 2010 by and between:

**THE REPUBLIC OF THE PHILIPPINES**, herein referred to as the **GOVERNMENT**, represented in this act by the Secretary of the Department of Environment and Natural Resources, with office at the Department of Environment and Natural Resources Building, Visayas Avenue, Diliman, Quezon City

and

**BO GO RESOURCES MINING CORPORATION** herein referred to as the **CONTRACTOR**, a corporation duly organized and existing under the laws of the Republic of the Philippines, with office at 21D LPL Building, No. 17 Eisenhower Street, Greenhills, San Juan, Metro Manila and represented in this act by its President, Hur Hyung as authorized by its Board of Directors (please refer to ANNEX "A")

## WITNESSETH :

WHEREAS, the 1987 Constitution of the Republic of the Philippines provides in Article XII, Section 2 thereof that all lands of the public domain, waters, minerals, coal, petroleum and other natural resources are owned by the State and that their exploration, development and utilization shall be under the full control and supervision of the State;

WHEREAS, the Constitution further provides that the State may directly undertake such activities, or it may enter into a Co-Production, Joint Venture, or Mineral Production Sharing Agreement with Filipino citizens, or cooperatives, partnerships, corporations or associations at least sixty per centum of whose capitalization is owned by such citizens;

WHEREAS, pursuant to Republic Act No. 7942, otherwise known as "The Philippine Mining Act of 1995," which took effect on 09 April 1995, the Secretary of the Department of Environment and Natural Resources is authorized to enter into Mineral Production Sharing Agreements in furtherance of the objectives of the Government and the Constitution to bolster the national economy through sustainable and systematic development and utilization of mineral lands;

WHEREAS, the Government desires to avail itself of the financial resources, technical competence and skill, which the Contractor is capable of applying to the mining operations of the project contemplated herein;



Republic of the Philippines  
DEPARTMENT OF ENVIRONMENT  
AND NATURAL RESOURCES



SEN028140



WHEREAS, the Contractor desires to join and assist the Government in the initial rational exploration and possible development and utilization for commercial purposes of *magnetite and other associated mineral deposits* existing in the Contract Area;

WHEREAS, the Contractor has access to all the financing, technical competence, technology and environmental management skills required to promptly and effectively carry out the objectives of this Agreement;

WHEREAS, the Contractor is the holder of the Exploration Permit No. EP-II-OMR-16-2010 and has applied for the conversion of said Exploration Permit to a Mineral Production Sharing Agreement pursuant to the provisions of the pertinent implementing rules and regulations;

NOW, THEREFORE, for and in consideration of the foregoing premises, the mutual covenants, terms and conditions hereinafter set forth, it is hereby stipulated and agreed as follows:

## SECTION I

### SCOPE

- 1.1. This Agreement is a Mineral Production Sharing Agreement entered into pursuant to the provisions of the Act and its implementing rules and regulations. The primary purpose of this Agreement is to provide for the rational exploration, development and commercial utilization of *magnetite and other associated mineral deposits* existing within the Contract Area, with all necessary services, technology and financing to be furnished or arranged by the Contractor in accordance with the provisions of this Agreement. The Contractor shall not, by virtue of this Agreement, acquire any title over the Contract/Mining Area without prejudice to the acquisition by the Contractor of the land/surface rights through any mode of acquisition provided for by law.
- 1.2. The Contractor shall undertake and execute, for and on behalf of the Government, responsible mining operations in accordance with the provisions of this Agreement, and is hereby constituted and appointed, for the purpose of this Agreement, as the exclusive entity to conduct mining operations in the Contract Area.
- 1.3. The Contractor shall assume all the exploration risk such that if no minerals in commercial quantity are developed and produced, it will not be entitled to reimbursement.
- 1.4. During the term of this Agreement, the total value of production and sale of minerals derived from the mining operations contemplated herein shall be accounted for and divided between the Government and the Contractor in accordance with Section VIII hereof.





## SECTION II

### DEFINITIONS

As used in this Agreement, the following words and terms, whether singular or plural, shall have the following respective meaning:

- 2.1. Act refers to Republic Act No. 7942, otherwise known as the "Philippine Mining Act of 1995."
- 2.2. Agreement means this Mineral Production Sharing Agreement.
- 2.3. Associated Minerals mean other ores/minerals, which occur together with the principal ore/mineral.
- 2.4. Bangko Sentral means Bangko Sentral ng Pilipinas.
- 2.5. Budget means an estimate of expenditures to be made by Contractor in mining operations contemplated hereunder to accomplish the Work Program for each particular period.
- 2.6. Bureau means Mines and Geosciences Bureau.
- 2.7. Calendar Year or Year means a period of twelve (12) consecutive months starting with the first day of January and ending on December 31, while "Calendar Quarter" means a period of three consecutive months with the first calendar quarter starting with the first day of January.
- 2.8. Commercial Production means the production of sufficient quantity of minerals to sustain economic viability of mining operations reckoned from the date of commercial operation as declared by the Contractor or as stated in the feasibility study, whichever comes first.
- 2.9. Constitution or Philippine Constitution means the 1987 Constitution of the Republic of the Philippines adopted by the Constitutional Convention of 1986 on October 15, 1986 and ratified by the People of the Republic of the Philippines on February 2, 1987.
- 2.10. Contract Area means the area onshore or offshore delineated under the Mineral Production Sharing Agreement subject to the relinquishment obligations of the Contractor and properly defined by latitude and longitude or bearing and distance.
- 2.11. Contract Year means a period of twelve (12) consecutive months counted from the Effective Date of this Agreement or from the anniversary of such Effective Date.
- 2.12. Contractor means **Bo Go Resources Mining Corporation** or its assignee(s) of interest under this Agreement: Provided, That the assignment of any of such interest is accomplished pursuant to the pertinent provisions of the implementing rules and regulations of the Act.
- 2.13. Declaration of Mining Project Feasibility means a document proclaiming the presence of minerals in a specific site, which are recoverable by socially



acceptable, environmentally safe and economically sound methods specified in the Project Feasibility Study.

- 2.14. Department or DENR means the Department of Environment and Natural Resources.
- 2.15. Director means the Director of Mines and Geosciences Bureau.
- 2.16. Effective Date means the date of execution of this Agreement by the Contractor and by the Secretary on behalf of the Government.
- 2.17. Environment means all facets of man's surroundings: physical, ecological, aesthetic, cultural, economic, historic, institutional and social.
- 2.18. Exploration means searching or prospecting for mineral resources by geological, geophysical and geochemical surveys, remote sensing, test pitting, trenching, drilling, shaft sinking, tunneling or any other means for the purpose of determining the existence, extent, quality and quantity of mineral resources and the feasibility of mining them for profit.
- 2.19. Exploration Period shall mean the period from the Effective Date of this Agreement, which shall be for two (2) years, renewable for like periods but not to exceed a total term of six (6) years for nonmetallic minerals and eight (8) years for metallic minerals, subject to the pertinent provisions of the implementing rules and regulations of the Act.
- 2.20. Force Majeure means acts or circumstances beyond the reasonable control of the Contractor including, but not limited to war, rebellion, insurrection, riots, civil disturbances, blockade, sabotage, embargo, strike, lockout, any dispute with surface owners and other labor disputes, epidemics, earthquake, storm, flood or other adverse weather conditions, explosion, fire, adverse action by the Government or by any of its instrumentality or subdivision thereof, act of God or any public enemy and any cause as herein described over which the affected party has no reasonable control.
- 2.21. Foreign Exchange means any currency other than the currency of the Republic of the Philippines acceptable to the Government and the Contractor.
- 2.22. Government means the Government of the Republic of the Philippines or any of its agencies and instrumentalities.
- 2.23. Gross Output means the actual market value of the minerals or mineral products from each mine or mineral land operated as a separate entity, without any deduction for mining, processing, refining, transporting, handling, marketing or any other expenses: Provided, That if the minerals or mineral products are sold or consigned abroad by the Contractor under C.I.F. terms, the actual cost of ocean freight and insurance shall be deducted: Provided further, That in the case of mineral concentrates which are not traded in commodity exchanges in the Philippines or abroad such as copper concentrate, the actual market value shall be the world price quotation of the refined mineral products contained thereof prevailing in the said commodity exchanges, after deducting the smelting, refining, treatment,





insurance, transportation and other charges incurred in the process of converting mineral concentrates into refined metal traded in those commodity exchanges.

- 2.24. Mine Development refers to work undertaken to prepare an ore body or a mineral deposit for mining, including the construction of necessary infrastructure and related facilities.
- 2.25. Minerals mean all naturally occurring inorganic substances in solid, liquid, gas or any intermediate state excluding energy materials such as coal, petroleum, natural gas, radioactive materials and geothermal energy.
- 2.26. Mineral Products mean materials derived from mineral ores/rocks and prepared into marketable state by metallurgical processes which include beneficiation, cyanidation, leaching, smelting, calcination and other similar processes.
- 2.27. Mining Area means that portion of the Contract Area identified by the Contractor as defined and delineated in a Survey Plan duly approved by the Director/Regional Director concerned for purposes of development and/or utilization and sites for support facilities.
- 2.28. Mining Operations means mining activities involving exploration, feasibility study, environmental impact assessment, development, utilization, mineral processing and mine rehabilitation.
- 2.29. Notice means notice in writing, telex or telecopy (authenticated by answer back or confirmation received) addressed or sent as provided in Section 16.2 of this Agreement.
- 2.30. Ore means naturally occurring substance or material from which a mineral or element can be mined and/or processed for profit.
- 2.31. Pollution means any alteration of the physical, chemical and/or biological properties of any water, air and/or land resources of the Philippines, or any discharge thereto of any liquid, gaseous or solid wastes or any production of unnecessary noise or any emission of objectionable odor, as will or is likely to create or render such water, air, and land resources harmful, detrimental or injurious to public health, safety or welfare or which will adversely affect their utilization for domestic, commercial, industrial, agricultural, recreational or other legitimate purposes.
- 2.32. Secretary means the Secretary of the Department of Environment and Natural Resources.
- 2.33. State means the Republic of the Philippines.
- 2.34. Work Program means a document which presents the plan of major mining operations and the corresponding expenditures of the Contractor in its Contract Area during a given period of time, including the plan and expenditures for development of host and neighboring communities and of local geoscience and mining technology, as submitted and approved in accordance with the implementing rules and regulations of the Act.





### SECTION III

#### TERM OF AGREEMENT

- 3.1. This Agreement shall have a term of twenty-five (25) years from Effective Date, and may be renewed thereafter for another term not exceeding twenty-five (25) years. The renewal of this Agreement, as well as the changes in the terms and conditions thereof, shall be upon mutual consent by the parties. In the event the Government decides to allow mining operations thereafter by other Contractor, this must be through competitive public bidding. After due publication of notice, the Contractor shall have the right to equal the highest bid upon reimbursement of all reasonable expenses of the highest bidder.

### SECTION IV

#### CONTRACT AREA

- 4.1. Size, Shape, and Location of Contract Area - This Agreement covers a Contract Area of approximately Fourteen Thousand Two Hundred Forty (14,240.0000) hectares, situated in Sanchez Mira, Pamplona, Abulug, Ballesteros, Aparri, Buguey and Gonzaga, Cagayan and bounded by the following geographical coordinates (please refer to ANNEX "A" - 1:50,000 scale Location Map/Sketch Plan):

| Corner | Latitude       | Longitude       |
|--------|----------------|-----------------|
| 1      | 18° 42' 34.56" | 121° 13' 26.76" |
| 2      | 18° 33' 39.60" | 121° 29' 45.96" |
| 3      | 18° 31' 01.20" | 121° 40' 18.48" |
| 4      | 18° 26' 36.24" | 121° 53' 32.28" |
| 5      | 18° 27' 42.84" | 121° 58' 06.24" |
| 6      | 18° 26' 57.48" | 121° 58' 31.44" |
| 7      | 18° 25' 35.04" | 122° 53' 36.96" |
| 8      | 18° 30' 14.40" | 121° 40' 04.44" |
| 9      | 18° 32' 53.16" | 121° 29' 37.68" |
| 10     | 18° 36' 30.96" | 121° 22' 01.20" |
| 11     | 18° 41' 51.36" | 121° 13' 14.52" |

### SECTION V

#### EXPLORATION PERIOD

- 5.1. Timetable for Exploration - The Contractor shall commence Exploration activities not later than three (3) months after the Effective Date for a period of two (2) years, renewable for like periods but not to exceed a total term of six (6) years for nonmetallic minerals and eight (8) years for metallic minerals, subject to annual review and approval by the Director in accordance with the implementing rules and regulations of the Act: Provided, That the used term of Exploration Permit No. EP-II-OMR-16-2010 shall be deducted from the above Exploration Period.



The Contractor shall submit the proof of consultation with the majority of the *Sanggunian* concerned in the form of Resolution or Certification prior to the implementation of the Exploration Work Program as prescribed under the implementing rules and regulations of the Act.

The Contractor shall also submit a Community Development Program to the Regional Office concerned within six (6) months upon registration of this Agreement as prescribed under the implementing rules and regulations of the Act.

- 5.2. **Renewal of Exploration Period** - In case the Contractor opts for a renewal of its Exploration Period, it shall file prior to the expiration thereof, a renewal application in the Mines and Geosciences Bureau Central Office, accompanied by the mandatory requirements stipulated in the implementing rules and regulations of the Act. The Director may grant the renewal of the Exploration Period on condition that the Contractor has substantially complied with the terms and conditions of the Agreement. Provided, That with or without the filing of the renewal application, the Exploration Period shall, upon its expiration, automatically shift to the next two (2) - year term, and so on.

In cases where further exploration is warranted beyond the six (6) - or eight (8)-year period and on condition that the Contractor has substantially implemented the Exploration and Environmental Work Programs as verified by the Bureau, the Director may further grant renewal of the Exploration Period: Provided, That the Contractor shall be required to set up a performance surety equivalent to the expenditure requirement of the Exploration and Environmental Work Programs.

- 5.3. **Work Programs and Budgets** - The Contractor shall strictly comply with the approved Exploration and Environmental Work Programs together with their corresponding Budgets (please refer to ANNEXES "C" and "D").

The amount to be spent by the Contractor in conducting Exploration activities under the terms of this Agreement during the Exploration Period shall be in the aggregate of not less than that specified for each of the Contract Years, as follows:

**For the Exploration Work Program:**

|                   |   |                  |
|-------------------|---|------------------|
| 1st Contract Year | : | PhP 1,140,000.00 |
| 2nd Contract Year | : | PhP 4,000,000.00 |
| Total             | : | PhP 5,140,000.00 |

**For the Environmental Work Program :** PhP 650,000.00

In the event of renewal of the Exploration Period, the amount to be spent every year shall first be agreed upon by the parties.

In the event of termination of this Agreement, the Contractor shall only be obliged to expend the pro-rata amount for the period of such Contract Year prior to termination. If during any Contract Year, the Contractor should expend more than the amount to be expended as provided above, the excess may be subtracted from the amount required to be expended by the





Contractor during the succeeding Contract Years, and should the Contractor, due to unforeseen circumstances or with the consent of the Government, expend less during a year, then the deficiency shall be applied to the amount to be expended during the succeeding Contract Years.

- 5.4. Relinquishment of Total/Portion of the Contract Area - During the Exploration Period, the Contractor may relinquish totally or partially the original Contract Area. After the Exploration Period and prior to or upon approval of a Declaration of Mining Project Feasibility by the Director, the Contractor shall finally relinquish any portion of the Contract Area not necessary for mining operations and not covered by any Declaration of Mining Project Feasibility.
- 5.5. Final Mining Area - The Director may allow the Contractor to hold more than one (1) final Mining Area subject to the maximum limits set under the implementing rules and regulations of the Act: Provided that each final Mining Area shall be covered by a Declaration of Mining Project Feasibility.
- 5.6. Declaration of Mining Project Feasibility - Within the term of the Exploration Period, the Contractor shall file in the Regional Office concerned, the Declaration of Mining Project Feasibility of the Contract Area/final Mining Area supported by Project Feasibility Study, Three (3)-Year Development and Construction or Commercial Operation Work Program, complete geologic report, an application for survey and the pertinent Environmental Compliance Certificate, among other applicable requirements. Failure of the Contractor to submit the Declaration of Mining Project Feasibility during the Exploration Period shall be considered a substantial breach of this Agreement.
- 5.7. Survey of the Contract Area - The Contractor shall cause the survey of the perimeter of the Contract Area/final Mining Area through an application for survey, complete with requirements, filed in the Regional Office concerned simultaneous with the submission of the Declaration of Mining Feasibility. Survey returns shall be submitted to the Regional Director concerned for approval within one (1) year from receipt of the Order of Survey complete with the mandatory requirements stated in the implementing rules and regulations of the Act.
- 5.8. Reporting
  - a. During the Exploration Period, the Contractor shall submit to the Director, through the Regional Director concerned, quarterly and annual accomplishment reports under oath on all activities conducted in the Contract Area from the Effective Date of this Agreement. The quarterly report shall be submitted not later than fifteen (15) days at the end of each Calendar Quarter while the annual accomplishment report shall be submitted not later than thirty (30) days from the end of each Calendar Year. Such information shall include detailed financial expenditures, raw and processed geological, geochemical, geophysical and radiometric data plotted on a map at a minimum 1:50,000 scale, copies of originals of assay results, duplicated samples, field data, copies of originals from drilling reports, maps, environmental work program implementation and detailed expenditures showing discrepancies/ deviations with approved exploration and environmental plans and budgets as well as all other

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information of any kind collected during the exploration activities. All information submitted to the Bureau shall be subject to the confidentiality clause of this Agreement.

- b. Final Report - The Contractor shall submit to the Director, through the Regional Director concerned, a final report under oath upon the expiration of the Exploration Period which shall be in the form and substance comparable to published professional reports of respectable international institutions and shall incorporate all the findings in the Contract Area including location of samples, assays, chemical analysis, and assessment of mineral potentials together with a geologic map of 1:50,000 scale at the minimum showing the results of the exploration. Such report shall also include detailed expenditures incurred during the Exploration Period. In case of diamond drilling, the Contractor shall, upon request of the Director/Regional Director concerned, submit to the Regional Office concerned a quarter of the core samples, which shall be deposited in the Regional Office Core Library for safekeeping and reference.
- c. Relinquishment Report - The Contractor shall submit a separate relinquishment report with a detailed geologic report of the relinquished area accompanied by maps at a scale of 1:50,000 and results of analyses and detailed expenditures, among others.

## SECTION VI

### DEVELOPMENT AND CONSTRUCTION PERIOD

- 6.1. Timetable - The Contractor shall complete the development of the mine including the construction of production facilities within thirty-six (36) months from the submission and approval of the Declaration of Mining Project Feasibility, subject to such extension based on justifiable reasons as the Director may approve, upon recommendation of the Regional Director concerned.
- 6.2. Reporting
  - a. Annual - The Contractor shall submit, within sixty (60) days after December 31 of each year, to the Director, through the Regional Director concerned, an annual report, which states the major activities, achievements and detailed expenditures during the year covered, including maps, assays, rock and mineral analyses and geological and environmental progress reports during the Development and Construction Period.
  - b. Final Report - Within six (6) months from the completion of the development and construction activities, the Contractor shall submit a final report to the Director, through the Regional Director concerned. Such report shall integrate all information in maps of appropriate scale and quality, as well as in monographs or reports in accordance with international standards.





## SECTION VII

### OPERATING PERIOD

- 7.1. Timetable - The Contractor shall submit, within thirty (30) days before completion of mine development and construction of production facilities, to the Director, through the Regional Director concerned, a Three-Year Commercial Operation Work Program. The Contractor shall commence commercial utilization immediately upon approval of the aforesaid Work Program. Failure of the Contractor to commence Commercial Production within the period shall be considered a substantial breach of the Agreement.
- 7.2. Commercial Operation Work Program and Budget - During the Operating Period, the Contractor shall submit to the Director, through the Regional Director concerned, Work Programs and Budgets covering a period of three (3) years each, which shall be submitted not later than thirty (30) days before the expiration of the period covered by the previous Work Program.

The Contractor shall conduct Mining Operations and other activities for the duration of the Operating Period in accordance with the duly approved Work Programs and corresponding Budgets.

- 7.3. Expansion and Modification of Facilities - The Contractor may make expansions, modifications, improvements, and replacements of the mining facilities and may add new facilities as the Contractor may consider necessary for the operations: Provided, That such plans shall be embodied in an appropriate Work Program approved by the Director.

7.4. Reporting

- a. Quarterly Reports - Beginning with the first Calendar Quarter following the commencement of the Operating Period, the Contractor shall submit, within thirty (30) days after the end of each Calendar Quarter, to the Director, through the Regional Director concerned, a Quarterly Report stating the tonnage of production in terms of ores, concentrates, and their corresponding grades and other types of products; value, destination of sales or exports and to whom sold; terms of sales and expenditures.
- b. Annual Reports - During the Operating Period, the Contractor shall submit within sixty (60) days from the end of each Calendar Year, to the Director, through the Regional Director concerned, an Annual Report indicating in sufficient detail:
- b.1. The total tonnage of ore reserves, whether proven, probable, or inferred, the total tonnage of ores, kind by kind, broken down between tonnage mined, tonnages transported from the minesite and their corresponding destination, tonnages stockpiled in the mine and elsewhere in the Philippines, tonnages sold or committed for export (whether actually shipped from the Philippines or not), tonnages actually shipped from the Philippines (with full details as to purchaser, destination and terms of sale), and if known to the Contractor, tonnages refined, processed or manufactured in the





Philippines with full specifications as to the intermediate products, by-products or final products and of the terms at which they were disposed;

- b.2. Work accomplished and work in progress at the end of the year in question with respect to all the installations and facilities related to the utilization program, including the investment actually made or committed; and
- b.3. Profile of work force, including management and staff, stating particularly their nationalities, and for Filipinos, their place of origin (i.e., barangay, town, province, region).

The Contractor shall also comply with other reporting requirements provided for in the implementing rules and regulations of the Act.

## SECTION VIII

### FISCAL REGIME

- 8.1. General Principle - The fiscal regime of this Agreement shall be governed by the principle according to which the Government expects a reasonable return in economic value for the utilization of non-renewable mineral resources under its national sovereignty while the Contractor expects a reasonable return on its investment with special account to be taken for the high risk of exploration, the terms and conditions prevailing elsewhere in the industry and any special efficiency to be gained by a particularly good performance of the Contractor.
- 8.2. Registration Fees - Within fifteen (15) days upon receipt of the notice of approval of the Agreement from the Regional Office concerned, the Contractor shall cause the registration of this Agreement with the said Regional Office and pay the registration fee at the rate provided in the existing rules and regulations. Failure of the Contractor to cause the registration of this Agreement within the prescribed period shall be sufficient ground for cancellation of the same.
- 8.3. Occupation Fees - Prior to registration of this Agreement and at the same date every year thereafter, the Contractor shall pay to the Bureau an occupation fee over the Contract Area at the annual rate provided in the existing rules and regulations. If the fee is not paid on the date specified, the Contractor shall pay a surcharge of twenty five percent (25%) of the amount due in addition to the occupation fees.
- 8.4. Share of the Government - The Government Share shall be the excise tax on mineral products at the time of removal and at the rate provided for in Republic Act No. 7729 amending Section 151 (a) of the National Internal Revenue Code, as amended, in addition to a Royalty of not less than five percent (5%) of the gross output, as well as other taxes, duties and fees levied by existing laws. The Excise Tax shall be timely and completely paid to the nearest Bureau of Internal Revenue Office in the province concerned while the Royalty shall be paid directly to the Bureau.





For purposes of determining the amount of the herein Government Share, the Contractor shall strictly comply with the auditing and accounting requirements prescribed under existing laws and regulations.

The Government Share shall be allocated in accordance with Sections 290 and 292 of Republic Act No. 7160, otherwise known as "The Local Government Code of 1991."

- 8.5. Pricing of Sales - The Contractor shall dispose of the minerals and by-products produced at the highest market price prevailing in the locality. The Contractor shall also pay the lowest achievable marketing commissions and related fees and shall negotiate for more advantageous terms and conditions subject to the right to enter into long-term sales or marketing contracts or foreign exchange and commodity hedging contracts, which the Government acknowledges to be acceptable notwithstanding that the sale price of the minerals and by-products may from time to time be lower, or the terms and conditions of sales are less favorable, than that available elsewhere. The Contractor shall seek to strike a balance between long-term sales or marketing contracts or foreign exchange and commodity hedging contracts comparable to policies followed by independent producers in the international mining industry.

The Contractor shall likewise seek a balanced distribution among consumers. Insofar as sales to Contractor's affiliate(s) are concerned, prices shall be at arm's length standard, and competing offers for large scale and long-term contracts shall be procured. Before any sale and/or shipment of mineral product is made, existing and future marketing contract(s)/sales agreement(s) shall be submitted to the Director, copy furnished the Regional Director concerned, for registration. At the same time, the Contractor shall regularly inform the Director in writing of any revisions, changes or additions in said contract(s)/agreement(s).

The Contractor shall reflect in its Monthly/Quarterly Report on Production, Sales and Inventory of Minerals, as well as in the Integrated Annual Report, the corresponding registration number(s) of the marketing contract(s)/agreement(s) governing the export or sale of minerals.

- 8.6. Associated Minerals - If minerals other than *magnetite and other associated mineral deposits* are discovered in commercial quantities in the Contract Area, the value thereof shall be added to the value of the principal mineral in computing the Government share.

## SECTION IX

### WORK PROGRAMS

- 9.1. Submission to Government - Within the periods stated herein, the Contractor shall prepare and submit to the Director, through the Regional Director concerned, a Work Program and corresponding Budget for the Contract Area stating the Mining Operations and expenditures which the Contractor proposes to carry out during the period covered with the details and particulars set forth elsewhere in this Agreement or in the supporting documents.





9.2. Government's Examination and Revision of Work Program - Should the Government decide to propose a revision to a certain specific feature in the Work Program or Budget, it shall, within thirty (30) days after receipt thereof, provide a Notice to the Contractor specifying in reasonable detail its reasons therefore. Promptly thereafter, the Government and Contractor will meet and endeavor to agree on the revision proposed by the Government. In any event, the revision of any portion of said Work Program or Budget in which the Government shall fail to notify the Contractor of the proposed revision shall, insofar as possible, be carried out as prescribed herein. If the Government should fail within sixty (60) days from receipt thereof to notify Contractor of the proposed revisions, the Work Program and Budget proposed by the Contractor shall be deemed to be approved.

9.3. Contractor's Changes to Work Program - It is recognized by the Government and the Contractor that the details of any Work Program may require changes in the light of changing circumstances. The Contractor may make such changes: Provided, That it shall not change the general objective of the Work Program: Provided further, That changes which entail a negative variance of at least twenty percent (20%) shall be subject to the approval of the Director.

In case of any positive variance, the Contractor shall submit to the Director, through the Regional Director concerned, a copy each of the Work Programs, for information.

9.4. The Government's approval of a proposed Work Program and Budget will not be unreasonably withheld.

## SECTION X

### ENVIRONMENTAL PROTECTION AND MINE SAFETY AND HEALTH

10.1. The Contractor shall manage its Mining Operations in a technically, financially, socially, culturally and environmentally responsible manner to achieve the sustainable development objectives and responsibilities as provided for under the implementing rules and regulations of the Act.

10.2. The Contractor shall ensure that the standards of environmental protection are met in the course of the Mining Operations. To the extent possible, control of pollution and the transformation of the mined-out areas or materials into economically and socially productive forms must be done simultaneously with mining.

10.3. An Environmental Compliance Certificate (ECC) shall be secured first by the Contractor prior to the conduct of any development works, construction of production facilities and/or mine production activities in the Contract Area.

10.4. The Contractor shall submit the following Programs/Plan as prescribed in the implementing rules and regulations of the Act:

- a. Environmental Work Program;
- b. Community Development Program;



- c. Environmental Protection and Enhancement Program (EPEP) and Final Mine Rehabilitation and/or Decommissioning Plan;
  - d. Annual Environmental Protection and Enhancement Program (AEPEP); and
  - e. Social Development and Management Program (SDMP).
- 10.5. The Contractor shall establish a Contingent Liability and Rehabilitation Fund (CLRF) which shall be in the form of the Mine Rehabilitation Fund (MRF) and the Mine Waste and Tailings Fee (MWTF).

The MRF shall be based on the financial requirements of the approved EPEP as a reasonable environmental deposit to ensure satisfactory compliance with the commitments/strategies of the EPEP/AEPEP and availability of funds for the performance of the EPEP/AEPEP during the specific project phase. The MRF shall be deposited as Trust Fund in a government depository bank and shall be used for physical and social rehabilitation of areas affected by mining activities and for research on the social, technical and preventive aspects of rehabilitation.

The MWTF shall be collected based on the amounts of mine waste and mill tailings generated during the conduct of Mining Operations. The MWTF collected shall accrue to a Mine Waste and Tailings Reserve Fund and shall be deposited in a government depository bank for payment of compensation for damages caused by the Mining Operations.

- 10.6. The Contractor shall set up mitigating measures such as mine waste and mill tailings disposal system, mine rehabilitation or plan, water quality monitoring, etc. to minimize land degradation, air and water pollution, acid rock drainage and changes in hydrogeology.
- 10.7. The Contractor shall set up an Environmental and Safety Office at its minesite manned by qualified personnel to plan, implement and monitor its approved EPEP.
- 10.8. The Contractor shall be responsible in the monitoring of environmental, safety and health conditions in the Contract Area and shall strictly comply with all the rules and regulations embodied under DENR Administrative Order No. 2000-98, otherwise known as the "Mine Safety and Health Standards."

## SECTION XI

### RIGHTS AND OBLIGATIONS OF THE PARTIES

#### 11.1. Obligations of the Contractor:

- a. To exclusively conduct sustainable Mining Operations within the Contract Area in accordance with the provisions of the Act and its implementing rules and regulations;





- b. To construct and operate any facilities specified under the Mineral Agreement or approved Work Program;
- c. To determine the exploration, mining and treatment process to be utilized in the Mining Operations;
- d. To extract, remove, use and dispose of any tailings as authorized by an approved Work Program;
- e. To secure all permits necessary or desirable for the purpose of Mining Operations;
- f. To keep accurate technical records about the Mining Operations, as well as financial and marketing accounts, and make them available to Government representatives authorized by the Director for the purpose of assessing the performance and compliance of the Contractor with the terms of this Agreement. Authorized representatives of other Government Agencies may also have access to such accounts in accordance with existing laws, rules and regulations;
- g. To furnish the Bureau all the data and information gathered from the Contract Area and that all the books of accounts and records shall be open for inspection;
- h. To allow access to Government during reasonable hours in inspecting the Contract Area and examining pertinent records for purposes of monitoring compliance with the terms of this Agreement;
- i. To hold the Government free and harmless from all claims and accounts of all kinds, as well as demands and actions arising out of the accidents or injuries to persons or properties caused by Mining Operations of the Contractor and indemnify the Government for any expenses or costs incurred by the Government by reason of any such claims, accounts, demands or actions;
- j. To allot annually a minimum of one and a half percent (1.5%) of the operating costs necessary to implement activities for the development of mining community, mining technology and geosciences, and institutionalization of public awareness and education on mining and geosciences;
- k. In the development of the community:
  - k.1. To recognize and respect the rights, customs and traditions of indigenous cultural communities over their ancestral lands and to allocate royalty payment of not less than one percent (1%) of the value of the gross output of minerals sold;
  - k.2. To coordinate with proper authorities in the development of the host and neighboring communities in accordance with the SDMP and to promote the general welfare of the inhabitants living therein. Where traditional self-sustaining income and the community activities are identified to be present, the Contractor



shall assist in the preservation and/or enhancement of such activities; and

- k.3. To give preference to Filipino citizens who have established domicile in the neighboring communities, in the hiring of personnel for its mining operations. If necessary skills and expertise are currently not available, the Contractor must immediately prepare and undertake a training and recruitment program at its expense;

I. In the development of Mining Technology and Geosciences:

- I.1. In the course of its operations, to produce geological, geophysical, geochemical and other types of maps and reports that are appropriate in scale and in format and substance which are consistent with the internationally accepted standards and practices. Such maps shall be made available to the scientific community in the most convenient and cost effective forms, subject to the condition that the Contractor may delay release of said information for a reasonable period of time which shall not exceed three (3) years;
- I.2. To systematically keep the data generated from the Contract/ Mining Area such as cores, assays and other related information, including economic and financial data and make them accessible to students, researchers and other persons responsible for developing mining, geoscience and processing technology subject to the condition that the Contractor may delay release of data to the science and technology community within a reasonable period of time which shall not exceed three (3) years;
- I.3. To transfer to the Government or local mining company the appropriate technology it may adapt in the exploration, development and commercial utilization of the minerals in the Contract Area;
- I.4. To develop a program for the advancement of mining technology and geosciences to build up resources and mineral discoveries, improve operational efficiency and resource recovery, and enhance environmental protection and mine safety;
- I.5. To allocate research and development budget for the advancement of mining technology and geosciences in coordination with the Bureau, research institutions, academe, etc.; and
- I.6. To replicate data, maps and reports cited in (k.1) and (k.2) and furnish the Bureau for archiving and systematic safekeeping which shall be made available to the science and technology community for conducting research and undertaking other activities which contribute to the development of mining, geoscience and processing technology and the corresponding





national pool of manpower talents: Provided, however, that the release of data, maps and the like shall be similarly constrained in accordance with (k.1) and (k.2) above;

- m. To develop and institutionalize an Information, Education and Communication Program for greater public awareness and understanding of responsible mining and geosciences;
- n. To incorporate in the Mining Project Feasibility Study the planned expenditures necessary to implement all the plans and programs set forth in this Agreement; and
- o. To pay all other taxes and fees mandated by existing laws, rules and regulations.

11.2. Rights of the Contractor:

- a. To conduct Mining Operations within the confines of its Contract/Mining Area in accordance with the terms and conditions hereof and without interfering with the rights of other Contractors/Lesseees/Operators/Permittees/Permit Holders;
- b. Possession of the Contract Area, with full right of ingress and egress and the right to occupy the same, subject to surface and easement rights;
- c. To use and have access to all declassified geological, geophysical, drilling, production and other data relevant to the mining operations;
- d. To sell, assign, transfer, convey or otherwise dispose of all its rights, interests and obligations under the Agreement subject to the approval of the Government;
- e. To employ or bring into the Philippines foreign technical and specialized personnel, including the immediate members of their families as may be required in the operations of the Contractor, subject to applicable laws and regulations: Provided, That if the employment connection of such foreign persons with the Contractor ceases, the applicable laws and regulations on immigration shall apply to them. Every time foreign technologies are utilized and where alien executives are employed, an effective program of training understudies shall be undertaken. The alien employment shall be limited to technologies requiring highly specialized training and experience subject to the required approval under existing laws, rules and regulations;
- f. To enjoy easement rights and use of timber, water and other natural resources in the Contract Area subject to pertinent laws, rules and regulations and the rights of third parties;
- g. Repatriation of capital and remittance of profits, dividends and interest on loans, subject to existing laws and Bangko Sentral ng Pilipinas rules and regulations; and

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- h. To import when necessary all equipment, spare parts and raw materials required in the operations in accordance with existing laws and regulations.

11.3. Obligations of the Government:

- a. To ensure that the Contractor has the Government's full cooperation in the exercise of the rights granted to it under this Agreement;
- b. To use its best efforts to ensure the timely issuance of necessary permits and similar authorizing documents for use of the surface of the Contract Area; and
- c. To cooperate with the Contractor in its efforts to obtain financing contemplated herein from banks or other financial institutions: Provided, That such financing arrangements will in no event reduce the Contractor's obligation on Government rights hereunder.

## SECTION XII

### ASSETS AND EQUIPMENT

- 12.1. The Contractor shall acquire for the Mining Operations only such assets that are reasonably estimated to be required in carrying out such Mining Operations.
- 12.2. All materials, equipment, plant and other installations of a movable nature erected or placed on the Contract Area by the Contractor shall remain the property of the Contractor. The Contractor shall have the right to remove and re-export such materials and equipment, plant and other installations from the Philippines, subject to existing rules and regulations. In case of cessation of Mining Operations on public lands occasioned by its voluntary abandonment or withdrawal, the Contractor shall have a period of one (1) year from the time of cessation within which to remove its improvements; otherwise, all social infrastructures and facilities shall be turned over or donated tax free to the proper government authorities, national or local, to ensure that said infrastructures and facilities are continuously maintained and utilized by the host and neighboring communities.

## SECTION XIII

### EMPLOYMENT AND TRAINING OF PHILIPPINE PERSONNEL

- 13.1. The Contractor agrees to employ, to the extent possible, qualified Filipino personnel in all types of mining operations for which they are qualified; and after Commercial Production commences shall, in consultation and with consent of the Government, prepare and undertake an extensive training programme suitable to Filipino nationals in all levels of employment. The objective of said programme is to reach within the timetable set forth below the following targets of "Filipinization."



|         | Unskilled<br>(%) | Skilled<br>(%) | Clerical<br>(%) | Professional<br>(%) | Management<br>(%) |
|---------|------------------|----------------|-----------------|---------------------|-------------------|
| Year 1  | 100              | 100            | 100             | 75                  | 75                |
| Year 3  | 100              | 100            | 100             | 80                  | 80                |
| Year 5  | 100              | 100            | 100             | 90                  | 90                |
| Year 7  | 100              | 100            | 100             | 95                  | 95                |
| Year 10 | 100              | 100            | 100             | 95                  | 95                |
| Year 15 | 100              | 100            | 100             | 100                 | 95                |

- 13.2. Cost and expenses of training such Filipino personnel and the Contractor's own employees shall be included in the Operating Expenses.
- 13.3. The Contractor shall not discriminate on the basis of gender and shall respect the right of women workers to participate in policy and decision-making processes affecting their rights and benefits.

## SECTION XIV

### ARBITRATION

- 14.1. The Government and the Contractor shall consult with each other in good faith and shall exhaust all available remedies to settle any and all disputes or disagreements arising out of or relating to the validity, interpretations, enforceability, or performance of this Agreement before resorting to arbitration as provided for in Section 14.2. below.
- 14.2. Any disagreement or dispute which can not be settled amicably within a period of one (1) year from the time the issue is raised by a Party shall be settled by a tribunal of three (3) arbitrators. This tribunal shall be constituted as follows: one to be appointed by the Contractor and the other to be appointed by the Secretary. The first two appointed arbitrators shall consider names of qualified persons until agreement on a mutually acceptable Chairman of the tribunal is selected. Such arbitration shall be initiated and conducted pursuant to Republic Act No. 876, otherwise known as the "Arbitration Act."

In any event, the arbitration shall be conducted applying the substantive laws of the Republic of the Philippines.

- 14.3. Each party shall pay fifty percent (50%) of the fees and expenses of the Arbitrators and the costs of arbitration. Each party shall pay its own costs and attorney's fee.

## SECTION XV

### SUSPENSION OR TERMINATION OF CONTRACT, TAX INCENTIVES AND CREDITS

- 15.1. This Agreement may be suspended for failure of the Contractor: (a) to comply with any provision or requirement of the Act and/or its implementing rules and regulations; (b) to pay on time the complete taxes, fees and/or other charges demandable and due the Government.





- 15.2. This Agreement terminates or may be terminated for the following causes: (a) expiration of its term, whether original or renewal; (b) withdrawal from the Agreement by the Contractor; (c) violation by the Contractor of the Agreement's terms and conditions; (d) failure to pay taxes, fees/or charges or financial obligations for two (2) consecutive years; (e) false statement or omission of facts by the Contractor; and (f) any other cause or reason provided under the Act and its implementing rules and regulations, or any other relevant laws and regulations.
- 15.3. All statements made in this Agreement shall be considered as conditions and essential parts hereof, and any falsehood in said statements or omission of facts which may alter, change or affect substantially the fact set forth in said statements shall be a ground for its revocation and termination.
- 15.4. The Contractor may, by giving due notice at any time during the term of this Agreement, apply for its cancellation due to causes which, in the opinion of the Contractor, render continued mining operation no longer feasible or viable. In this case, the Secretary shall decide on the application within thirty (30) days from notice: Provided, That the Contractor has met all the financial, fiscal and legal obligations.
- 15.5. No delay or omissions or course of dealing by the Government shall impair any of its rights under this Agreement, except in the case of a written waiver. The Government's right to seek recourse and relief by all other means shall not be construed as a waiver of any succeeding or other default unless the contrary intention is reduced in writing and signed by the party authorized to exercise the waiver.
- 15.6. In case of termination, the Contractor shall pay all the fees and other liabilities due up to the end of the year in which the termination becomes effective. The Contractor shall immediately carry out the restoration of the Contract Area in accordance with good mining industry practice.
- 15.7. The withdrawal by the Contractor from the Mineral Agreement shall not release it from any and all financial, environmental, legal and fiscal obligations under this Agreement.
- 15.8. The following acts or omission, *inter alia* shall constitute breach of contract, upon which the Government may exercise its right to terminate the Agreement:
- a. Failure of the Contractor without valid reason to commence Commercial Production within the period prescribed; and/or
  - b. Failure of the Contractor to conduct mining operations and other activities in accordance with the approved Work Programs and/or any modification thereof as approved by the Director.
- 15.9. The Government may suspend and cancel tax incentives and credits if the Contractor fails to abide by the terms and conditions of said incentives and credits.

*John S. D.*  
*ES*





## SECTION XVI

### OTHER PROVISIONS

16.1. Any terms and conditions resulting from repeal or amendment of any existing laws or regulation or from the enactment of a law, regulation or administrative order shall be considered a part of this Agreement.

16.2. Notice

All notices, demands and other communications required or permitted hereunder shall be made in writing, telex or telecopy and shall be deemed to have been duly given notice, in the case of telex or telecopy, if answered back or confirmation received, or if delivered by hand, upon receipt or ten days after being deposited in the mail, airmail postage prepaid and addressed as follows:

If to the Government:

**THE SECRETARY**

Department of Environment and Natural Resources  
DENR Building, Visayas Avenue  
Diliman, Quezon City

If to the Contractor:

**THE PRESIDENT**

Bo Go Resources Mining Corporation  
21D LPL Building, No. 17 Eisenhower Street  
Greenhills, San Juan, Metro Manila

Either party may substitute or change such address on notice thereof to the other party: Provided, That the Contractor shall, in case of any change of address during the term of this Agreement, notify the Director in writing. Failure to do such notification shall be deemed as waiver by the Contractor to be informed about any communications as provided in Section 16.2 above.

16.3. Governing Law

This Agreement and the relation between the parties hereto shall be governed by and construed in accordance with the laws of the Republic of the Philippines. The Contractor hereby agrees and obliges itself to comply with the provisions of the Act, its implementing rules and regulations and other relevant laws and regulations.

16.4. Suspension of Obligation

- a. Any failure or delay on the part of any party in the performance of its obligation or duties hereunder shall be excused to the extent attributable to *Force Majeure* as defined in the Act: Provided, That the suspension of Mining Operations due to *Force Majeure* causes shall be subject to approval by the Director.



- b. If Mining Operations are delayed, curtailed or prevented by such *Force Majeure* causes, then the time for enjoying the rights and carrying out the obligations thereby affected, the term of this Agreement and all rights and obligations hereunder shall be extended for a period equal to the period involved.
- c. The Party, whose ability to perform its obligations is affected by such *Force Majeure* causes, shall promptly give Notice to the other in writing of any such delay or failure of performance, the expected duration thereof and its anticipated effect and shall use its efforts to remedy such delay, except that neither Party shall be under any obligation to settle a labor dispute: Provided, That the suspension of obligation by the Contractor shall be subject to prior approval by the Director.

#### 16.5. Amendments

This Agreement shall not be annulled, amended or modified in any respect except by mutual consent in writing of the herein parties.

**IN WITNESS WHEREOF**, the Parties hereto have executed this Agreement, as of the day and year first above written

#### THE REPUBLIC OF THE PHILIPPINES

BY:

  
**HORACIO C. RAMOS**  
Secretary



Department of Environment and Natural Resources

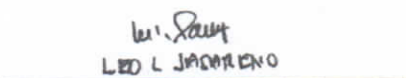
**BO GO RESOURCES MINING CORPORATION**  
T.I.N. 007-434-768

BY:

  
**HUR HYUNG**  
President

SIGNED IN THE PRESENCE OF:

  
**WALTER TOLOSA G. LIMING**  
(Signature over Printed Name)


  
**LEO L. JACARINO**  
(Signature over Printed Name)

## ACKNOWLEDGMENT

Republic of the Philippines)  
Quezon City ) s s

Before me, a Notary Public for and in the City of Quezon, personally appeared **HORACIO C. RAMOS** with Community Tax Certificate No. 18221963 issued on January 06, 2010 at Quezon City, in his capacity as Secretary of the Department of Environment and Natural Resources, and **HUR HYUNG**, with Community Tax Certificate No. 31106513 issued on March 19, 2010 at Pasig City, in his capacity as President of Bo Go Resources Mining Corporation, both known to me and to me known to be the same persons who executed the foregoing instrument consisting of twenty-three (23) pages, including this acknowledgment page, and acknowledged to me that the same is their voluntary acts and deeds.

IN WITNESS WHEREOF, I have hereunto set my hand and affix my notarial seal, this \_\_\_\_\_ day of JUN 18 2010.

  
ANSELMO C. ARUNGAN  
Notary Public

Until December 31, 2010

PTR No. 3229338 1-08-10 O.C.

IBP No. 803853 12-28-09 MLC 1X

MCLE Compliance No. II - 0006247

Roll of Attorneys No. 35343



Doc. No. 205  
Page No. 41  
Book No. IX  
Series of 2010



Republic of the Philippines  
DEPARTMENT OF ENVIRONMENT  
AND NATURAL RESOURCES



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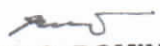




**CERTIFICATE OF REGISTRATION**

Mines and Geosciences Bureau  
North Ave., Diliman, Quezon City

The registration fee therefor having been paid, the foregoing instrument consisting of 23 pages was registered with this Office on June 21, 2010 and recorded in Book No. 3 of the Mineral Reservations - MPSA as Document No. 8.

Registration fee paid under Official Receipt No. 1722883 T dated June 21, 2010 in the amount Php 20,000.00.

  
**EDWIN G. DOMINGO**  
OIC, Director   


*hew*

## DEED OF ASSIGNMENT

DENR-MGB REGION II  
TUGUEGARAO CITY

REGISTERED

DATE: 27 January 2012

TIME: \_\_\_\_\_

BY: \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS:

This Deed of Assignment is hereby made and executed this **NOV 25 2011**, by and between:

**Bo Go Resources Mining Corporation**, a corporation duly organized and existing under the laws of the Republic of the Philippines with office address at Unit 1709 AIC-Burgundy Empire Tower, ADB Avenue, Ortigas Center, Pasig 1605, represented herein by its President, **Victor Jin-Soo Lee**, hereinafter referred to as "**ASSIGNOR**";

- and -

**JDVC Resources Corporation**, a domestic corporation organized and existing under the laws of the Republic of the Philippines, with office address at 602 FSS Bldg. Scout Tuazon Cor. Scout Caster St. Quezon City, represented herein by its President, **Hyung Rae Doo**, hereinafter referred to as "**ASSIGNEE**";

WITNESSETH: That—

WHEREAS—

1. ASSIGNOR is a holder of an approved Mineral Production Sharing Agreement ("MPSA") over a mineral land located in the Municipalities of Sanchez Mira, Pamplona, Abulug, Ballesteros, Aparri, Buguey, and Gonzaga, Province of Cagayan, duly registered with the Mines and Geosciences Bureau, Tuguegarao City, Cagayan, Region II and denominated as MPSA 338-2010-II-OMR ; (copies of the MPSA are attached for reference);
2. The above-stated mineral land consists of approximately Fourteen Thousand Two Hundred Fourty ( 14,240 ) Hectares; and
3. ASSIGNOR offers to assign, transfer, and convey all its rights and interests in MPSA 338-2010-II-OMR to ASSIGNEE and ASSIGNEE accepts the offer of ASSIGNOR.

**NOW, THEREFORE**, for and in consideration of the above premises, ASSIGNOR and ASSIGNEE agree as follows:

1. In consideration of the amount of Three Million Pesos(P3,000,000.00), receipt of which is hereby acknowledged, ASSIGNOR hereby assigns, transfers, conveys, and waives all its rights and interest over the said MPSA No. 338-2010-II-OMR and all rights over the mineral land covered by MPSA No. 338-2010-II-OMR acquired by and/or pertaining to ASSIGNOR ("Assigned Rights") in favor of ASSIGNEE, its successors and assigns, free from any lien and encumbrances.



2. ASSIGNOR warrants and represents that it has complied with all requirements of existing laws, rules and regulations in connection with the Assigned Rights, that it has exclusive, full, clean, unrestricted, and lawful right to the occupancy, possession and beneficial use of the said Assigned Rights, that there are no other persons or entities who hold better and/or prior rights over the Assigned Rights, and that there are no subsisting or prospective right, interest, or privilege over the said Assigned Rights granted by ASSIGNOR to or otherwise enjoyed by any other person or entity, including the right to operate the same;

3. ASSIGNOR shall hold ASSIGNEE free from any or all suit or claim that any third party may have in relation to the Assigned Rights.

4. Any violation of the warranties, representations and obligations as above mentioned, without the fault of ASSIGNEE, which would render unenforceable ASSIGNEE's rights under this Deed of Assignment, entitles the ASSIGNEE to the full reimbursement of the consideration set forth herein as well as the costs arising from or connected with the execution and implementation of this Deed.

5. This Deed of Assignment supersedes any and all prior contracts, agreements, deeds and similar instruments entered into by ASSIGNOR with any third party with respect to and/or connected with the Assigned Rights.

6. ASSIGNOR shall not execute, make, perform, carry out, or effect any other act which would be in conflict, or would violate, contradict, invalidate, or otherwise frustrate any provision of this Deed of Assignment.

7. Both signatories warrant that they are authorized to bind their respective companies by their respective Board of Directors, as evidenced by the attached Secretary's Certificates to such effect

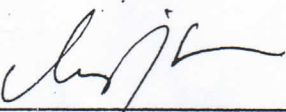
IN WITNESS WHEREOF, this Deed of Assignment was signed on  
NOV 25 2011 in QUEZON CITY.

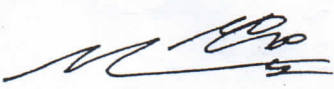
VICTOR JIN-SOO LEE.  
Assignor

HYUNG RAE DOO  
Assignee

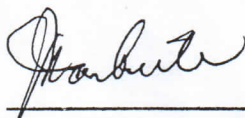
By:

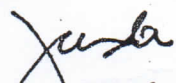
By:

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
President

Signed in the presence of:

  
\_\_\_\_\_

  
\_\_\_\_\_  
NAPOLEON M. DE LEON JR.



REPUBLIC OF THE PHILIPPINES}  
QUEZON CITY } S.S.

**ACKNOWLEDGMENT**

BEFORE ME, a Notary Public for and in QUEZON CITY  
personally appeared –

| Name               | Community Tax<br>Certificate / Date/Place<br>Issued | Competent Proof of<br>Identity<br>Passport |
|--------------------|---|--|
| Victor Jin-Soo Lee |   | 421516948 USA                              |
| Hyung Rae Doo      |   | TM1091572 Korea                            |

known to me to be the same persons who executed the foregoing instrument and acknowledged to me that the same is their free and voluntary act and deed and the corporations they represent.

WITNESS MY HAND AND SEAL on the place and date first above written.

Doc. No. 2348;  
Page No. 98;  
Book No. XX;  
Series of 2011.

Notary Public

**ATTY. NESTOR C. FERNANDEZ**  
NOTARY PUBLIC  
UNTIL DECEMBER 31, 2011  
LIFETIME IBP NO. 5051446-5-1996  
PTR NO. 74257555 1-4-2011  
QUEZON CITY  
ROLL NO. 164583



Republic of the Philippines  
Department of Environment and Natural Resources  
**MINES AND GEOSCIENCES BUREAU**

North Avenue, Diliman, Quezon City, Philippines

Tel No. (+63 2) 920-9120/920-9130 Trunkline No. 667-6700 loc. 134 Fax No. (+63 2) 920-1635 Email: central@mgb.gov.ph



June 29, 2016

**IN RE: PARTIAL DECLARATION OF MINING  
PROJECT FEASIBILITY OF JDVC  
RESOURCES CORPORATION UNDER  
MINERAL PRODUCTION SHARING  
AGREEMENT NO. 338-2010-II-OMR-  
AMENDED A**

X-----X

**NOTICE OF ISSUANCE OF AN ORDER**

**Mr. Napoleon M. De Leon, Jr.**  
President  
**JDVC Resources Corporation**  
No. 83 Times Street, West Triangle  
1104 Quezon City

**Reg. Mail**

**Mr. Mario A. Ancheta**  
OIC, Regional Director  
**Mines and Geosciences Bureau**  
**Regional Office No. II**  
Government Regional Center, Carig  
3500 Tuguegarao City

**Reg. Mail**

Please be notified that an Order was issued by this Office on June 27, 2016 on the subject, a copy of which is attached.

By Authority of the Director:

  
**EDGARDO D. CASTILLO**  
Officer-In-Charge  
Mining Tenements Management Division



**"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT  
IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."**

60-127034





Republic of the Philippines  
Department of Environment and Natural Resources  
**MINES AND GEOSCIENCES BUREAU**


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IN RE: **PARTIAL DECLARATION OF  
MINING PROJECT FEASIBILITY OF  
JDVC RESOURCES CORPORATION  
UNDER MINERAL PRODUCTION  
SHARING AGREEMENT NO.  
338-2010-II-OMR-AMENDED A**

CERTIFIED TRUE COPY

  
**EDGARDO D. CASTILLO**  
OFFICIAL IN CHARGE  
MINING TENEMENTS MANAGEMENT DIVISION

x-----x

**ORDER**

**WHEREAS**, on June 9, 2010, Mineral Production Sharing Agreement (MPSA) No. 338-2010-II-OMR was executed by and between the Philippine Government, represented by the Secretary of the Department of Environment and Natural Resources (DENR), and Bo Go Resources Mining Corporation (Bo Go) covering a contract area of 14,240 hectares located in the offshore areas in Sanchez Mira, Pamplona, Abulug, Ballesteros, Aparri, Buguey and Gonzaga, Cagayan;

**WHEREAS**, the aforesaid MPSA grants Bo Go the exclusive right to explore, develop and utilize magnetite sand and other associated mineral deposits that may be delineated within the contract area for a term of 25 years and renewable for another term not exceeding 25 years;

**WHEREAS**, the same MPSA provides, among others, that Bo Go shall file a Declaration of Mining Project Feasibility (DMPF) during the term of the Exploration Period of the MPSA;

**WHEREAS**, on November 25, 2011, the Deed of Assignment was executed by and between Bo Go and JDVC Resources Corporation (JDVC) wherein the former assigned to the latter all its rights and interests in MPSA No. 338-2010-II-OMR;

**WHEREAS**, on January 25, 2013, the DENR issued the Order approving the assignment of MPSA No. 338-2010-II-OMR from Bo Go to JDVC pursuant to the November 25, 2011 DOA;

**WHEREAS**, on June 17, 2013, the first renewal (3<sup>rd</sup> and 4<sup>th</sup> years) of the Exploration Period of MPSA No. 338-2010-II-OMR was approved by this Office;

**WHEREAS**, on June 17, 2015, the Exploration Period of MPSA No. 338-2010-II-OMR automatically shifted to its third term (5<sup>th</sup> and 6<sup>th</sup> years) pursuant to the pertinent provisions of Section 5.2 of MPSA No. 338-2010-II-OMR;

**WHEREAS**, on May 2, 2016, the Deed of Assignment was executed by and between JDVC and Sanlorenzo Mines, Inc. (Sanlorenzo) wherein the former assigned to the latter all its rights and interests in the 2,400-hectare portion of the contract area under MPSA No. 338-2010-II-OMR;

**WHEREAS**, thru the Order dated May 20, 2016, the DENR approved the assignment of the 2,400-hectare portion of the contract area to Sanlorenzo pursuant to the May 2, 2016 Deed of Assignment, redenominated the MPSA covering that portion as No. 338-2010-II-OMR-Amended B and redenominated the remaining 11,840-hectare portion as No. 338-2010-II-OMR-Amended A;

**"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT  
IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."**





**WHEREAS**, on May 25, 2016 or during the validity of the Exploration Period, JDVC filed the Partial DMPF under MPSA No. 338-2010-II-OMR-Amended A covering the 4,999.2358-hectare portion of the contract area;

**WHEREAS**, the Mines and Geosciences Bureau (MGB) Regional Office (RO) No. II undertook initial evaluation of the said Partial DMPF and subsequently forwarded the same to this Office thru its Memorandum of June 21, 2016 for information and appropriate action, in accordance with the pertinent provisions of DENR Memorandum Order No. 2004-10<sup>1</sup>;

**WHEREAS**, this Office, thru the Memorandum dated June 24, 2016, has required MGB RO No. II to submit certain documents in connection with the Partial DMPF;

**WHEREAS**, the approval of the Partial DMPF shall authorize JDVC to proceed to the Development and Operating Periods of MPSA No. 338-2010-II-OMR-Amended A, including the extraction and commercial disposition of magnetite sand and other associated minerals in the 4,999.2358-hectare portion of the contract area;

**WHEREAS**, pursuant to the pertinent provisions of DENR Administrative Order No. 2010-21<sup>2</sup> and MPSA No. 338-2010-II-OMR-Amended A, and subject to certain conditions, this Office has determined that JDVC has substantially complied with the pertinent requirements for the approval of a Partial DMPF, as follows:

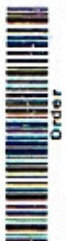
1. Sworn DMPF;
2. Mining Project Feasibility Study Report (FS Report);
3. Environmental Compliance Certificate;
4. Three-Year Development and/or Utilization Work Program (3YWP);
5. Environmental Protection and Enhancement Program (EPEP) and Final Mine Rehabilitation and/or Decommissioning Plan (FMRDP);
6. Social Development and Management Program;
7. Order of Survey;
8. Exploration Report; and
9. Proof of technical competence;

**WHEREFORE**, the foregoing premises considered, the Partial Declaration of Mining Project Feasibility in connection with the Mineral Production Sharing Agreement No. 338-2010-II-OMR-Amended A is hereby approved, thereby authorizing JDVC Resources Corporation to proceed to the Development and Operating Periods of Mineral Production Sharing Agreement No. 338-2010-II-OMR-Amended A, including the extraction and commercial disposition of magnetite sand and other associated minerals, subject to compliance with the following conditions:

1. Procedural Guidelines in the Evaluation of Mining Project Feasibility Studies for the Approval of Declaration of Mining Feasibility and Applications for Mineral Processing Permits and Mineral Agreements in the Development or Operating Period.
2. The Implementing Rules and Regulations of Republic Act No. 7942, otherwise known as the Philippine Mining Act of 1995.



1. That the conduct of mining operations by JDVC Resources Corporation shall only commence upon securing the favorable endorsement of at least the majority of the *Sanggunian* concerned and shall be confined to the 4,999.2358-hectare portion of the contract area (as shown in the attached map marked as Annex A);
2. That the conduct of mining operations by JDVC Resources Corporation shall be in accordance with the existing applicable laws, their implementing rules and regulations, and the pertinent provisions of Mineral Production Sharing Agreement No. 338-2010-II-OMR-Amended A;
3. That JDVC Resources Corporation shall submit all future pertinent sales agreement(s)/marketing contract(s) to this Office for registration, before any sale and/or shipment of mineral product is made and that it shall immediately inform this Office in writing of any revisions, changes or additions in said agreement(s)/contract(s);
4. That JDVC Resources Corporation shall *"dispose of the minerals and by-products produced at the highest market price and to negotiate for more advantageous terms and conditions subject to the right to enter into long-term sales or marketing contracts or foreign exchange and commodity hedging contracts which the Government acknowledges to be acceptable notwithstanding that the sale price of the minerals may from time to time be lower, or the terms and conditions of sales are less favorable, than that available elsewhere,"* pursuant to the provisions of Section 39 of Department of Environment and Natural Resources Administrative Order No. 2010-21;
5. That any change or deviation from the approved Mining Project Feasibility Study Report, which will alter the economics of the project by more than ten percent (10%) shall require an amended Mining Project Feasibility Study Report subject to approval by this Office;
6. That JDVC Resources Corporation shall secure an ISO 14001 Certification within one year from receipt of this Order, pursuant to the pertinent provisions of Department of Environment and Natural Resources Administrative Order No. 2015-07<sup>3</sup>;
7. That JDVC Resources Corporation shall submit/secure the following within 60 days from receipt of this Order:
  - a. Approval of the Mining Project Feasibility Study Report; Three-Year Development and/or Utilization Work Program; Social Development and Management Program; Environmental Protection and Enhancement Program; Final Mine Rehabilitation and/or Decommissioning Plan and Survey Plan;
  - b. Endorsement of the mining project by at least the majority of the *Sanggunian* concerned.



<sup>3</sup> Mandating Mining Contractors to Secure ISO 14001 Certification.

CERTIFIED TRUE COPY

EDGARDO O. CASTILLO  
OFFICIAL STAMP  
MINING TENEMENTS MANAGEMENT DIVISION

- c. CY 2016 credit line(s)/bank guarantee(s)/deposit(s) and/or similar negotiable instruments in the total amount that is not less than the capital investment based on the Mining Project Feasibility Study Report.
  - d. Payment of Occupation Fees covering CYs 2012-2016.
8. That failure to comply with any of the above conditions shall be a ground for withdrawal of this Order.

SO ORDERED.

Quezon City, Philippines, 27 JUN 2016

*Leo L. Jasareno*  
LEO L. JASARENO  
Director

