



# CY 2016 ANNUAL REPORT



## Table of Content

Foreword	i
Executive Summary	ii-vi
<b>Accomplishments</b>	
Finance & Administrative Division	1 - 11
Communication Plan for Minerals Development	12 - 21
Geosciences Development Services	22 - 44
Mineral Lands Administration	45 – 78
Mineral Resources Data	80 – 83
GAD Accomplishments	84 – 88
2017 Direction	89 – 90
<b>Annexes</b>	
List of Barangays (Conduct of IECs)	Annex A
MGB 13 Work & Financial Plan	Annex B
MGB 13 Physical Accomplishments	Annex C
MGB 13 Form 1	Annex D
MGB 13 Tenement Map	Annex E



**Foreword**

## ROGER A. DE DIOS

Regional Director  
Mines & Geosciences Bureau RXIII



As the year unfolds, it runs through bureaucratic bloodline the ideology of upholding accomplishments and motivationally indulging on the new challenges that will conform on the aspect of vindicating the call for Sustainable Development.

Mining, as a socio-economic environment sensitive industry, is on the other hand vulnerable to any possibilities of reputation-degradation whenever conservational matters took place. Environmental disturbances of mining and its corresponding mitigating measures are on the assurance to complying to policies, rules and regulations mandated under Republic Act 7942 or the Philippine Mining Act of 1995 as a pledge towards Environmental Protection and Mineral Conservation. Furthermore, the Social Responsibilities or might as well the Development and Management Programs implemented by the mining firms and its contribution to the National Wealth are manifestations that the industry is serving the welfare of the community which affirmatively supports the advocacy of the current administration of the Department of Environment and Natural Resources (DENR), putting the industry on the spotlight as catalysts for economic growth in the areas where it operates.

Crafting the success of Caraga Region, companies coming from the four corners of the five provinces anchored their names on the limelight of prestige from the previous years as they bagged different recognitions from the different prestigious organization for marking the map in upholding Responsible Mining and Sustainable Development.

The Mines and Geosciences Bureau (MGB) Regional Office 13, as a governing body regulating the mining industry within Caraga Region, responsibly addressed the requirements of the law on the monitoring, verification and validation processes to measure the company's performance and compliance to the regulations set forth by this Office. The continued revalidation of technical vitality of the personnel from this Office is an essential tool for the fact-based legally-bounded disclosures to be contributed to the existing body of knowledge to serve the purpose of attaining sustainability and enhancing the region-wide practices of Responsible Mining.

As we embark on the new challenges of perfection for the next coming generations, it has been and will always be the collaborative efforts of MGB Regional Office 13 and Mining Companies to envision the advancement of advocacies in promoting Occupational Safety and Health, sound Environmental Management and Social Responsibility as Caraga Mining Industry's Core Value.





## executive summary

The change in political leadership in the country also implies the change of leadership under the Department of Environment and Natural Resources (DENR) down to its line bureaus which includes the Mines and Geosciences Bureau.

The installation of Hon. Secretary Regina Paz L. Lopez, one of the renowned environmental activists in the country, as Secretary of the DENR, was a huge step in repositioning the Minerals Industry towards its ultimate advocacy; RESPONSIBLE MINING.

The journey en route for responsible mining is not easy. The conduct of the mining audit in all major mining companies all over the country was one of the boldest moves ever made for the mining companies to shape-up and be responsible enough in the utilization of this country's mineral resources. This call is a gigantic endeavor in promoting sustainable development both in the environment, economic and social aspects. The minerals industry is constrained with the directive that the utilization of our mineral resources should not sacrifice the needs of our future generations. This is the greatest challenge that we are facing.

The Bureau is the primary government agency responsible for the conservation, management, development and proper use of the country's mineral resources including those in reservations and lands of public domain. The entire operation of the Mines and Geosciences Bureau are guided with the following Major Final Outputs (MFOs), to wit;

1. MFO 1 : Mineral Resources Development Services
2. MFO 2 : Mining Regulation Services

Each MFO has the following components;

1. MFO 1 : Mineral Resources Development Services
  - Mineral Resource Services
    - Communication Development Plan
    - National Mineral Reservation Program
    - Geosciences Development Services
2. MFO 2 : Mining Regulation Services
  - Mineral Lands Administration
    - Mineral Investment Promotion Program
    - Mining Industry Development Program

For CY 2016, the operation of the Mines and Geosciences Bureau RXIII was like a roller coaster ride. The ups and downs in the implementation of the major programs and projects, the utilization of the remaining budget, and the change in regional office management in the later part of the year, were just few of the challenges that this Office has faced. But, with the strong leadership of our Regional Director and the commitment of each individual

to deliver our mandate is what makes the operation a success. Despite all the glitches, our annual targets have been complied.

Under the Communication Development Plan, the Office programmed the following activities;

- Conduct Awareness of Mineral Resource & Geosciences (MRGS)
- Capacity Building on MRGS Laws, Rules & Regulations
- Generate/Publish/Disseminate IEC Materials
- National Linkages

The year ended with more than 100% compliance under these undertakings. We have conducted dialogues in several Local Government Units and other groups: Civil Society Organization, Academe and Religious Organization in relation to our campaign on Mineral Resource & Geosciences Laws, Rules & Regulations. Major trainings, seminars, workshops has been participated, coordinated or created for the enrichment of MGB's personnel and its stakeholders. Two trainings were also conducted for the welfare of small scale miners in the Province of Agusan del Sur.

Linkages with the LGUs and other national agencies in terms of promotion of MGB's projects and programs, has been appropriately observed, conducted and coordinated.

The implementation of major programs of Geosciences Division faces a greater test. This is because the bulk of activities of Office operation were in the said Division. The lack of technical personnel during its implementation was a huge challenge. Fortunately, MGB RXIII was allowed to hire contractual employees; hence, we were able to deliver our annual commitment.

The marching order was that the Office, through the Geosciences Division, must deliver its targets a month before the year ended on the following, to wit;

- Geohazard Survey & Assessment
  - Vulnerability & Risk Assessment
  - Updating of 1:10,000 Scale Geohazard Maps as a Result of Changes Due to Natural Calamities
  - Geohazard IEC Materials Dissemination
  - Capacity building
  - Conduct IEC to LGUs
  - Geohazard Operation Center
  - Coastal Geohazard and Impact to Climate Change
- Geological Mapping
- Groundwater Resources Assessment
- Miscellaneous Geological Services

By the end of November of this year, true to our commitment to render the rightful and best government service, the Geosciences Division has successfully delivered its annual targets. The presence of the additional geologists gave an enormous contribution on the compliance of all major activities.

The Office operation was slightly hindered by the operation of our laboratory because the fumehood scrubber being indispensable equipment in laboratory analyses is still under repair for more than 6 months now. Thus, aside from giving limits in extending laboratory services to our clients, our compliance to this specific commitment has been affected. As of the end of November, we only achieved 1,061 samples analyzed. That is only 75.87% as to the annual target which is 1,500 samples that should be analyzed.

This problem is a thing that we fervently hope that by the following year, the installation of such will be finally over for us to deliver a good service to the public because this is the only existing government laboratory in the region that extends services relating to the minerals industry.

The programs under the Mineral Lands Administration are a composition of functions delivered by the two office divisions, namely: Mine Management Division and the Mine Safety, Environment and Social Development Division.

Each division was governed by some activities concerning the issuance of permits, monitoring activities, resolutions on cases, conflicts and complaints, and the anti-illegal mining campaign.

Several issues arise during the implementation of major programs under the Mineral Lands Administration. Same with the Geosciences Division, Mine Management Division and the Mine Safety, Environment and Social Development Division need more technical men to support the monitoring activities in compliance with the mandate of the law in regulating the minerals industry.

From the start of the year, this Office already anticipated the difficulties that we may encounter during the implementation of our programs. We invested nothing but only trust and confidence to our technical men that despite of all the setbacks in the field that they may be facing, they may still be able to deliver the quality of job that this bureau is looking for.

For 12 months of operation, the Mine Management Division (MMD) was able to achieve its annual target. Some of the activities even gain more than 100% compliance. An outcome which can only be attained with strong commitment and dedication coming from the men and women of MMD.

Mining rights monitoring activity is one of the major commitments of the Mine Management Division. MMD has made it sure that before the year ends, monitoring of mining rights is 100% complied. Comparable from the previous years, issuances of mining permits like Ore Transport Permits & Mineral Ore Export Permits, achieved even more than 100% as to the annual targets.

Another major program under MMD is the assistance to the P/CMRB and other stakeholders. Aside of the conducted small scale mining sites inventory, through the unconditional dedication of MMD personnel, the Office was able to identify 1 area potential for Minahang Bayan. In contrast, due to the lack of support from the large scale mining companies and the Local Government Units concern, we failed to endorse a Minahang Bayan area. However, we have re-endorsed an area from Cabadbaran City to MGB Central Office for approval.

Despite some political issues which arise in other provinces that somehow affects the operation of its respective P/CMRBs, we were able to comply 100% of our targets. A compliance of 100% of its annual target was also noted on the conduct of Regional Consultation in relation to the Laws, Rules and Regulation in the Small Scale Mining Industry.

Extending services in terms of giving resolutions on mining related complaints and conflicts also highlighted the entire operation of the Office. Being considered as the mining capital of the country, various issues/complaints has been received, filed and acted by the Office. This is also the first time that after the issuance of the authority to function legally, the Panel of Arbitrators of this Office has finally convened and discussed new and pending cases for immediate actions.

The Mine Safety, Environment and Social Development Division take control on the safety, health, environment and social development monitoring activities. For the full enforcement of environmental standards in mining operations pursuant to EO no. 79, this Office made it sure that monitoring activities in Integrated Safety, Health, Environment and Social Programs (ISHES) were strictly conducted. In CY 2016, fourteen (14) approved mining permits were monitored with forty-two (42) monitoring activities conducted.

To further strengthen the Multi-Partite Monitoring System, thirty (30) Multi-Partite Monitoring Teams have been operationalized. Under the Approval of SHES Programs, six (6) mining companies were under Care and Maintenance, 2 deferred its submission and one (1) did not submit its Annual Social Development and Management Program (ASDMP), thus, marking only 79% and 89% accomplishments as to its annual targets, respectively.

For Gender and Development, MGB 13 has a strong support to Gender and Development Focal Point System (GADFPS). The office sensitivity in addressing issues equally regardless of gender type manifests its commitment in GADFPS mission and vision. It is not only the women's concerns, her specific roles, responsibilities and expectations were seriously observed but MGB 13 GAD covers no boundaries as it only not focused on women's development but to everyone including men as we practice the right to equal opportunities. The unending support of the office shows in every GADFPS related activities.

CY 2016 is one of the toughest years in this Office's operation. Yet, it is also one of the fruitful years in terms of success and fulfillments of the men and women of MGB RXIII. Though the shortage of technical men, some of the aspects of this Office operation suffered

but with sincere dedication for the fulfillment of our commitment, made us achieved a 100% compliance of our annual targets. Compared with the other regional offices, in terms of budget and personnel composition, we are all the same. We only differ on the number of approved mining permits and mining companies actively having operation and exploration activities. Fortunately, Caraga R-XIII, was blessed with mineral resources that this country can utilize for economic and social advancement. Yet, unfortunate enough to have less technical men to do monitoring jobs of more than 62 approved mining rights, not to mention the numerous mining related complaints and cases that this Office received annually that should be addressed. This Office craved for more technical support to deliver our commitment.





**FAD**

---

## General Administrative & Support Services

---

### Finance Services

### Collection

---

The Mines and Geosciences Bureau RO XIII income collections as of December 22, 2016 amounted to ₱1,024,375,236.97. Components of this income are as follows:

#### A. Service and Business Income - ₱ 5,450,345.31

The breakdown of the Service and Business Income are as follows:

Particulars	As of Dec 22, 2016
Permit Fees	
Application Fees	₱ 176,550.00
Clearance Fees	180,000.00
Evaluation Fee	86,000.00
Filing/Processing Fee	30,026.00
Ore Transport Permit	2,516,000.00
Registration Fees	901,100.00
Renewal Fee	754,000.00
Transfer/Assignment Fee	244,565.31
Other Permit and License Fee	156,365.00
Total Permit Fees	₱ 5,044,606.31
Supervision and Regulation Enforcement Fees	
Accreditation Fees	₱ 176,020.00
Docketing Fee	5,000.00
Fines and Penalties - Service Income	64,790.00
Investigation Fee	6,000.00
Mine Waste and Mill Tailing Fee	2,800.00
Verification Fee	12,000.00
Total Supervision and Regulation Enforcement Fees	₱ 266,610.00
Miscellaneous Income	
Certified True Copy/Photocopying Fee	₱ 20,829.00
Letter of Request	8,500.00
Power of Attorney	400.00
Total Miscellaneous Income	₱ 29,729.00
Other Service Income	
Laboratory Analysis	₱ 102,900.00
Publication Fee	6,500.00
Total Other Service Income	₱ 109,400.00
TOTAL SERVICE AND BUSINESS INCOME	₱ 5,450,345.31

## **B. Shares, Grants and Donations - ₪ 1,018,924,891.66**

The Share, Grants and Donations account pertains to revenue collected made from Royalties under Republic Act No. 7160.

### **BUR:**

As of December 23, 2016, the Regional Office's Budget Utilization Rate is already at 93.65%, while Disbursement Rate is at 85.18%.

### **AGEING OF CASH ADVANCES**

Cash advances of officers and employees, special disbursing officer and operating expenses are granted to employees for special and official purposes. Cash advance granted should be liquidated within 30 days after return to his permanent official station in the case of local travels and 60 days in the case of foreign travels. Failure of the Accountable Officer to liquidate his cash advance within the prescribed period shall constitute a valid cause for the withholding of his salary and the instructions of other sanctions.

In compliance of Agency Annual Targets cash advances granted for the year is nearly reached 4.2 M (*see attached table 1*) and 3.9 M for the liquidations. It has been observed that more cash advances were expected to be processed at the end of each quarter. However, there has been delay of Liquidation Report submissions, as seen in table 1, only 22% and 77% has been liquidated in 1<sup>st</sup> and 2<sup>nd</sup> quarter of 2016 and almost 150% in the 3rd quarter. Analysis revealed that postponed travels and late submission of liquidations affect the percentage of unliquidated cash advances.

Table 1

<b>Quarter</b>	<b>Cash Advance Granted</b>	<b>Liquidations</b>	<b>%</b>
1st	923,121.81	207,696.81	22%
2nd	1,289,087.43	997,410.00	77%
3rd	1,208,735.84	1,736,624.05	144%
Oct.-Nov.	758,916.00	914,048.00	120%
<b>Total</b>	<b>4,179,861.08</b>	<b>3,855,778.86</b>	<b>92%</b>

Table 1 shows the percentage of liquidations per quarter and as to date. This also implies that 8% (P 334,388.88) of cash advances granted as of November were still unliquidated.

Table 2, contains the list of Accountable officers with the corresponding unliquidated amount.

Accountable Officer	Unliquidated Amount
Liza T. Pacete	12,857.22
Ana Diosell S. Bajao	10.00
Apple Jeanne U Vargas	28,420.00
Archielyn C. Nimez	9,360.00
Aurora S. Selisana	4,320.00
Bryan C. Cuartero	24,100.00
Carl Orven C. Eludo	50.00
Carlos E. Cogolio, Jr.	2,100.00
Cecilia L. Consuegra	6,661.00
Elaine L. Galido	22,580.00
Elecito E. Escuyos	50.00
Ernesto C. Calzar	50.00
Esperidion Y. Amper, Jr.	24,625.00
Felix B. Adolfo	20,452.00
Francis Glenn N. Suante	2,500.00
Hernando Besario	4,320.00
Jacob E. Rogador IV	50.00
Jaime L. Curada, Jr.	5,040.00
Joy L. Cainghog	8,640.00
Junrey D. Paronda	2,000.00
Jusrit Elvie B. Seguis	23,505.00
Kate A. Boquilon	34,400.00
Keeshia Jane D. Samontina	4,320.00
Labella S. Rin	4,320.00
Lilibeth P. Guimoto	50.00
Marietta P. Tumulak	10.00
Melinda B. Navidas	4,320.00
Melvin A. Mantilla	24,169.00
Pio Zaldy M. Merano	17,740.00
Ralph Angelo B. Plaza	2,000.00
Rhodora B. Tan	50.00
Ritche B. Banacia	10,070.00
Roland Joie G. Geli	50.00
Romeo M. Dalodado	15,023.00
Rudy F. Bute	4,320.00
Samuel J. Jamen	1,555.00
Verlin Marie M. Baldapan	50.00

Accountable officers who failed to liquidate within the prescribe period will automatically have deductions to his/her salary. Accounting personnel will take in-charge to prepare schedule/statement for the refund and the refundable amount will be remitted to the Bureau of Treasury. With this, no cash advances should be granted to any officer or employee once previous advances were still unliquidated. Accounting personnel will strictly monitor cash advances as per accounting rules and regulations.



### Manpower

The DENR-Mines and Geosciences Bureau XIII has a total of 54 itemized positions per new Personnel Services Itemization and Plantilla of Personnel (PSIPOP).

During the 4<sup>th</sup> quarter another 3 personnel were promoted, 3 personnel were change from temporary to permanent status and 3 personnel were hired from contractual to regular status.

Regional Director Alilo C. Ensomo, Jr. who was previously assigned in MGB, Regional Office No. 8 is now reassigned to this Office effective January 6, 2016. With the dynamic leadership of RD Ensomo, he leads MGB 13 in the continuous delivery of quality public service and fosters harmonious working relationships among the employees.

Pursuant to Special Order No. 2016-572 Regional Director Roger A. De Dios assumes directorship to MGB, RXIII effective October 7, 2016.

### **Report on Supplies (Annual Procurement Plan)**

A total of P1,135,214.68 were purchased on Office supplies for CY 2016. As of December 23, 2016 P698,238.35 worth of office supplies were released to different divisions for their official use. Based on actual physical count made a total of P520,902.08 worth of office supplies unissued/released.

For Office Equipment, P2,060,633 worth of Office Equipment were being purchased.

There were 52 purchase orders (PO's) has been posted in the PHILGEPS and 15 were awarded to winning bidders. The rest of awarding of winning bidders is still on going.

### **Career and Personnel Development**

Laying emphasis on career advancement the Management facilitated the attendance and participation of employees in seminar/ training/ workshop/ conference for

professional advancement. Below table were the personnel attended the seminar/training/convention/congress; to wit:

No.	Name of Personnel	Position	(Seminar/Training/Convention/Congress)	Date	Place
	JANUARY				
1	Jose Salve E. Cabiling	Chief Administrative Officer	Seminar/Workshop on the implementation of the Government Accounting Manual and the 2015 Year-End Closing of Book cum conference on Administrative Matters and Mechanisms	January 10-16, 2016	Cagayan de Oro City
2	Raymond B. Polinar	Administrative Officer V	-do-	January 10-16, 2016	Cagayan de Oro City
3	Fermin F. Sapuras	Administrative Officer III	-do-	-do-	-do-
4	Margie Ann P. Ensomo	Accountant II	-do-	-do-	-do-
5	Rudy F. Bute	Administrative Assistant III	-do-	-do-	-do-
	FEBRUARY				
6	Jose Salve E. Cabiling	Chief Administrative Officer	Learning Event on Administrative Reforms and Anti-Corruption for Division Chief	February 14-20, 2016	Caranglan, Nueva Ecija
7	Alilo C. Ensomo, Jr.	Regional Director	National Conference for the Launch of the Second Country of the PH-EITI	February 15-17, 2016	Manila
8	Jusrit Elvie B. Seguis	Chemist III	77th National Convention of the Philippine Institute of Chemical engineers	February 17-20, 2016	Boracay Ecovillage Resort and Convention Center, Malay, Aklan
9	Cecilia L. Consuegra	Chemist IV	-do-	-do-	-do-
10	Archielyn C. Nimez	Laboratory Technician II	-do-	-do-	-do-
	MARCH				
11	Enjie G. Pacillos	SRENM	2016 Mine Safety, Environment and Social Development Division Forum	March 13-19, 2016	MGB, Central Office
	APRIL				
12	Esperidion Y. Amper, Jr.	SRS I	Budgeting Workshop for the Preparation of FY 2017 Budget Proposal of the Mine and Geosciences Bureau	April 5-9, 2016	Manila
13	Daniel S. Belderol	Engineer V	-do-	-do-	-do-
14	Francis Glenn N. Suante	SSRS	-do-	-do-	-do-
15	Romeo M. Dalodado	Chief Geologists	-do-	-do-	-do-



16	Margie Ann P. Ensomo	Accountant II	-do-	-do-	-do-
17	Carl Orven C. Eludo	Administrative Officer III	-do-	-do-	-do-
18	Alilo C. Ensomo, Jr.	Regional Director	-do-	-do-	-do-
19	Cecilia L. Consuegra	Chemist IV	31st Philippine Chemistry Congress	April 13-15, 2016	Iloilo City
20	Daniel S. Belderol	Engineer V	4th MAB & POA Seminar-Workshop on Mining Conflict/Dispute	April 18-23, 2016	Puerto Princesa, Palawan
21	Verlin M. Baldapan	Engineer V	-do-	-do-	-do-
22	Pio L. Sembrano, Jr.	Mining Claims Examiner III	-do-	-do-	-do-
23	Alilo C. Ensomo, Jr.	Regional Director	2nd National Protected Areas Conference	April 25-29, 2016	Quezon City
	MAY				
24	Romeo M. Dalodado	Chief Geologist	Orientation Workshop on Water Energy Nexus Study that will focus on Rancio Agus	May 2-5, 2016	Davao City
25	Esperidion Y. Amper, Jr.	SRS I	Training on Web Migration and Development Using Joomla 3.0xWeb Template	May 24-27, 2016	MGB, Central Office
26	Marie Pennelope E. Fang	Administrative Officer IV	-do-	-do-	-do-
	JUNE				
27	Daniel S. Belderol	Engineer V	Training Seminar for the Legal and Technical Personnel of the MGB	June 7-11, 2016	Tagaytay City
28	Jeffrey P. Galido	Attorney III	-do-	-do-	-do-
29	Ador J. Patiño	Engineer IV	4th Mining Engineers Convention (Mincon 2016)	June 8-11, 2016	Legaspi City, Albay
30	Roland Joie G. Geli	Engineer II	-do-	-do-	-do-
31	Jose Salve E. Cabiling	Chief Administrative Officer	Training of Trainers on DENR Strategic Performance Management System SPMS	June 14-17, 2016	Clark, Pampanga
32	Carl Orven C. Eludo	Administrative Officer III	-do-	-do-	-do-
	JULY				
33	Cecilia L. Consuegra	Chemist IV	Seminar on Public Sector Unionism: Harmony in Workplace	July 5-6, 2016	Parkway Hotel, Surigao City
34	Ritche B. Banacia	Chemist IV	-do-	-do-	-do-
35	Romeo M. Dalodado	Chief Geologist	Competency-Based System Validation and Updating Seminar-Workshop of the MGB	July 25-29, 2016	Tagaytay City
36	Jose Salve E. Cabiling	Chief Administrative Officer	-do-	-do-	-do-
	AUGUST				
	None				
	SEPTEMBER				
37	Enjie G. Pacillos	SRENM	Planning Workshop for the Mine Audit Teams	September 20-22, 2016	MGB, Central Office
38	Cecilia L. Consuegra	Chemist IV	Strategic Planning for the 2018 Mines and Geosciences Bureau	September 26-30,	MGB, Central Office

			Gender and Development Work Plan and Budget Orientation on Basic Concepts on Gender and Development	2016	
39	Marie Pennelope E. Fang	Administrative Officer IV	-do-	-do-	-do-
40	Junrey D. Paronda	Engineer II	Orientation/Seminar on the Operations of the Newly Acquired X-Ray Fluorescence Spectrophotometer and Real-Time Kinematic	29-Sep-16	MGB, Central Office
41	Ernesto C. Calzar	Engineer II	-do-	-do-	-do-
42	Francis Glenn n. Suante	SSRS	Training in Metal Mining Development Administration Program of JICA	September 29, 2016 - October 30, 2016	Japan
	OCTOBER				
43	Cecilia L. Consuegra	Chemist IV	Seminar-Workshop on Practical and Cost Effective Solutions to Laboratory Chemical Wastes	October 12-20, 2016	Manila
44	Raymond B. Polinar	Administrative Officer V	Association of Government Accountants of the Philippines (AGAP) Annual Technical Seminar and Convention	October 19-22, 2016	Tagbilaran City, Bohol
45	Margie Ann P. Ensomo	Accountant II	Association of Government Accountants of the Philippines (AGAP) Annual Technical Seminar and Convention	October 19-22, 2016	Tagbilaran City, Bohol
46	Lilibeth P. Gimoto	Engineer II	Technical Report and Correspondence Writing Skills Seminar-Workshop	October 17-21, 2016	Quezon City
47	Pio Zaldy M. Merano	Senior Science Research Specialist	64th Society of Mechanical Engineers National Convention	October 19-22, 2016	Pasay City
48	Ana Diosell S. Bajao	Economist II	Workshop on the User Acceptance and Testing the Environmental Law Enforcement Management Information System	October 19-20, 2016	DENR, CO, Diliman, Quezon City
49	Verlin Marie M. Baldapan	Engineer IV	-do-	-do-	-do-
50	Roger A. De Dios	Regional Director	MGB Reprogramming Workshop	October 25-30, 2016	Manila
51	Elecito E. Escuyos	SSRS	-do-	-do-	-do-
52	Romeo M. Dalodado	Chief Geologists	-do-	-do-	-do-
53	Rhodora B. Tan	Administrative Officer IV	-do-	-do-	-do-
54	Carl Orven E. Eludo	Administrative Officer III	-do-	-do-	-do-
55	Carlos E. Cogolio, Jr.	SSRS	-do-	-do-	-do-
56	Alilo C. Ensomo, Jr.	Regional Director	-do-	-do-	-do-
	NOVEMBER				
57	Beda Louie O. Cagampang	Geologist II	Basic ARC GIS Seminar-Workshop and MGB Annual Technical Forum	November 2-13, 2016	Manila & MGB Regional Office No. 3, Angeles

					City
58	Kate A. Boquilon	Geologist II	-do-	-do-	-do-
59	Roger A. de Dios	Regional Director	63rd Annual National Mine Safety and Environment Conference	November 14-20, 2016	Baguio City
60	Alilo C. Ensomo, Jr.	Regional Director	-do-	November 14-20, 2016	-do-
61	Lilibeth P. Gimoto	Engineer II	-do-	November 14-20, 2016	-do-
62	Elecito E. Escuyos	SSRS	-do-	November 15-20, 2016	Baguio City
63	Jessiebeth L. Real	Administrative Aide VI	-do-	November 15-20, 2016	-do-
64	Marietta P. Tumalak	CAO II	-do-	November 14-20, 2016	-do-
65	Enjie P. Cañete	SRENM	-do-	November 15-20, 2016	-do-
66	Donalyn A. Nicolasura	CAO II	-do-	November 15-20, 2016	-do-
67	Francis Glenn N. Suante	SSRS	-do-	November 13-20, 2016	-do-
68	Pio Zaldy M. Merano	SRSRS	-do-	November 13-20, 2016	-do-
69	Ritche B. Banacia	Engineer II	-do-	November 13-20, 2016	-do-
70	Carlos E. Cogolio, Jr.	SRSRS	-do-	November 15-20, 2016	-do-
71	James R. Jaron	Cartographer II	-do-	November 15-20, 2016	-do-
72	Junrey D. Paronda	Engineer II	-do-	November 15-20, 2016	-do-
73	Jaob E. Rogador, IV	Engineer II	-do-	November 15-20, 2016	-do-
74	Joselito S. Baldapan	Engineer II	-do-	November 15-20, 2016	-do-
75	Roland Joie G. Geli	Engineer II	-do-	November 15-20, 2016	-do-
76	Noli N. Arreza	Engineer IV	-do-	November 14-20, 2016	-do-
77	Carl Orven C. Eludo	Administrative Officer III	-do-	November 15-20, 2016	-do-
78	Pio L. Sembrano, Jr.	MCE III	-do-	November 15-20,	-do-

				2016	
79	Lorna B. Eviota	Administrative Assistant III	-do-	November 15-20, 2016	-do-
80	Marie Pennelope E. Fang	Administrative Officer IV	63rd Annual National Mine Safety /Training and Capacity Building for MGB Personnel Responsible	November 15-27, 2016	Baguio City and Metro Manila
81	Ana Diosell S. Bajao	Economist II	-do-	-do-	-do-
82	Ritche B. Banacia	Engineer II	41st Electrical Engineers Annual Convention	November 23-26, 2016	Pasay City
83	Ivee Drea M. Canoy	Administrative Assistant I	2016 Institute of Computer Engineer of the Philippines, Inc. (ICpEP) National Convention, 2016	November 22-27, 2016	Cagayan de Oro City
			4th ICpEP National Conference on computer Applications, innovations, Technologies and Engineering (CAITE 2016) and 2016 National CpE Challenge		
	DECEMBER				
84	Liza T. Pacete	Geologist II	Annual Geological Convention (GEOCON 2016)	December 12-15, 2016	Metro Manila
85	Kate A. Boquilon	Geologist II	-do-	-do-	-do-
86	Melvin A.Mantilla	Supervising Geologist	-do-	-do-	-do-
87	Beda Louie O. Cagampang	Geologist II	-do-	-do-	-do-
88	Elaine A. Galido	Supervising Geologist	Coastal Assessment Workshop and Annual Geological Convention (GEOCON 2016)	December 6-15, 2016	Batangas and Metro Manila
89	Claysterkim J. Paloma	Geologist II	-do-	-do-	-do-
90	Enjie G. Pacillos	SRENM	-do-	-do-	-do-
91	Elaine A. Galido	Supervising Geologist	-do-	-do-	-do-
92	Claysterkim J. Paloma	Geologist II	-do-	-do-	-do-

## Human Resource Development

The Human Resource Management Service of this Office has worked on various compliances with the Civil Service Commission rules and regulations. The Office maintains its timekeeping system with the use of a biometrics finger prints registry scanner. It minimizes the error caused by individual preparation of the daily time records (DTR) and ensures the fidelity of time records being kept by HRMS.

HRMS is continues its task of posting, maintaining and filing personnel data. This includes updating of personnel service records, personal data sheets(PDS), posting and updating of personnel individual leave credit ledgers, filling of performance

evaluation system records, assets and liabilities, individual profile ready for submission to various scholarship grants call, among others.

DENR-MGB13 has cooperated with various activities initiated by the DENR and MGB. The Office did not miss any calls for management conferences, training/seminar and other sectoral meetings. The Office also actively cooperated with the Civil Service Commission in providing management and supervisory development to its key personnel.

Submission of personnel reports on monthly, semi-annual and annual has been satisfactorily complied. A total of 1,553 travel orders of the employees was recorded by this Office.

The agency is prompt in hanging the Citizens Charter in the Office wall, posting of No Fixers message per compliance with the Presidential directive in the eradication of corruption in the government agencies. Likewise, the Automatic Debit Account for payroll and other and other benefits is also adopted.

The submission of Statement of Assets, Liabilities and Networth (SALN) has been religiously complied and submitted on February 2016. The SALN review committee checked the compliance of individual SALN prior to submission to the Deputy Ombudsman in Davao City.

The Office observed the compliance of Service Excellence Thru Continuous Systems Innovation Monitoring and Evaluation (SECSIME) by providing the clients the best services can offered to them and by continually monitored by the key officials of the bureau'S compliance

### General Services

To ensure sound working condition and convenience of our clients, DENR-MGB13 has continuously implemented various repairs, improvements and maintenance within Office compound. Likewise, adequate information and communications connectivity are being maintained to ensure prompt reception and transmission of relevant information to DENR Offices and external linkages.

The General Services has likewise ensured mobility of Office Personnel by maintaining the running condition of all vehicles.

To ensure sound Office operations, the General Services has promptly on procured necessary office supplies. Similarly, this Office continues to support the well-being of all employees by providing enough space for sports and fitness activities. Through the efforts of DENR-MGB13 Tennis Club, the tennis court is well maintained and is always made available for the purpose.

DENR-MGB13 is always harmonizing the execution of its mandate and promoting the welfare of its employees.

### Repair & Improvements



The construction of the generator set house was completed in the 1<sup>st</sup> quarter of 2016. Likewise, the generator machine was fully installed and operationalized in the month of May 2016. The said machine is of big help to MGB 13 personnel for the continuity of work that needs electric power in case of power cut.

The newly constructed Guard House was completed in the last quarter of 2015. It gives a presentable view to the clients and conducive post to the security guard on duty.



The newly renovated Regional Director's Office was completed in the mid 1<sup>st</sup> semester of 2016. The good ambience is conducive to meetings and conferences.





**COM  
PLAN**

---

## Communication Plan for Minerals Development

---

Communication Plan is formulated to intensify Information, Education and Communication campaign in CARAGA Region. Aside from being one of the major functions of MGB 13, this program is designed in such a way that it will make the presence of the mining felt in the community.

There are four (4) major components under Communication Plan, namely;

1. Conduct Awareness and Advocacy on Mineral Resources and Geosciences (MRGS);
2. Capacity Building on MRGS Laws, Rules and Regulations;
3. Generate/Publish/Disseminate Information & Information, Education and Communication (IEC) Materials; and
4. National & International Linkages

**Conduct Awareness and Advocacy on Mineral Resources and Geosciences (MRGS)**

---

### Stakeholders Forum

---

Stakeholders Forum will be conducted to deliver the MGB's mandate to the people with the same interest of the organization. It is an avenue also for the Office to listen to various voices concerning to the status of the minerals industry.

CY 2016 has the following accomplishments, to wit;

<b>Performance Indicator</b>	<b>Annual Target</b>	<b>Annual Accomplishment</b>	<b>% Accomplishment</b>
Dialogues with Sangguniang Panlalawigan/Bayan/Panlungsod/Barangay	24	24	175%
Dialogues with other groups (Religious groups, CSO, academe, etc.)	4	4	100%
Radio/TV guestings (no.)	100	101	101%
Press releases/photo releases/feature stories (no.)	32	32	100%

<b>Performance Indicator</b>	<b>Activity</b>	<b>Month Reported</b>
<b>Dialogues with Sangguniang Panlalawigan/ Bayan/ Panlungsod/ Barangay</b>	Prov. Of Surigao del Norte's HEALS Plus Convergence - Environment Cluster Meeting	January 14, 2016
	CLUP mainstreaming Disaster Risk Reduction and Climate Change Adaptation of Cabadbaran City with mining concerns	February 2016
	State of the Local Governance Report of Mayor Ernesto T. Matugas	March 17, 2016
<b>Dialogues with Sangguniang Panlalawigan/ Bayan/ Panlungsod/ Barangay</b>	Prov. Of Surigao del Norte HEALS Plus Convergence	June 2016
		August 2016
	Dialogue with the SP of the Province of Dinagat Islands	October 2016
<b>Dialogues with other groups (Religious groups, CSO, academe, etc.)</b>	Technical Experts' Briefing/Orientation on Social Development and Management Program (SDMP) Guidelines and Implementation	January 19, 2016
	Report on HIPADA council meeting at San Francisco, Surigao del Norte	February 2016
	Local Study Tour with OVMPC, MMT & MRFC at Toledo City and Cebu City	February 2016
	Technical Conference with Taganito Mining Corporation, Taganito HPAL Nickel Corporation, Platinum Group Metals Corporation, Adnama Mining Resources, Inc. & Caraga State University regarding the alleged siltation problem along Claver Bay.	March 2016
	Cluster Deliberation of the Annual Social Development and Management Program of Carrascal Nickel Corporation, CTP Construction and Mining Corporation and Marcventures Mining and Development Corporation on March 8, 2016 at the MGB Training Center in Surigao City.	March 2016
	Dialogue with the Surigao del Norte Sectoral Tribal Council (SUNOSTRICO) on March 8, 2016 at MGB ROXIII, Surigao City.	March 2016
	Cluster Deliberation of the Annual Social Development and Management Program of Agata Mining Ventures, Inc. and SR Metals, Inc. on March 9, 2016 at the MGB Training Center in Surigao City.	March 2016

Cluster Deliberation of the Annual Social Development and Management Program of Taganito HPAL Nickel Corporation, Adnama Mining Resources, Inc., Platinum Group Metals Corporation and Taganito Mining Corporation on March 10, 2016 at the MGB Training Center in Surigao City.	March 2016
Cluster Deliberation of the Annual Social Development and Management Program of Greenstone Resources Corporation, Hinatuan Mining Corporation - Tagana-an Nickel Project and Pacific Nickel Phils., Inc. on March 11, 2016 at the MGB Training Center in Surigao City.	March 2016
Dialogue with CADT-048 Mamanwa Manobo Council of Elders/Leaders, Inc. (CAMMCELI) on March 11, 2016 at MGB ROXIII, Surigao City.	March 2016
Dialogue with CADT-048 Mamanwa Manobo Council of Elders/Leaders, Inc. (CAMMCELI) on March 21, 2016 in Claver, Surigao del Norte.	March 2016
Attendance to the Public Scoping of KMI and MDMRC at Adlay, Carrascaki, SDS.	March 2016
Attendance during the Lecture on Life Cycle Thinking and Analysis and Its Application to Mining Sector.	March 2016
Meeting with Caraga Mine Safety & Health Council (CMSHC).	March 2016
Public Consultation of THPAL on its Scandium Recovery Facility	March 2016
The Tribal Leaders and Members Meeting covering CADT-048-AMPANTRIMTU	March 2016
GRC CTWG Meeting	April 2016
Attendance in the Multi-Sectoral Advocacy Campaign on Downstream Oil Industry	April 2016
Pre-survey meeting for the conduct of relocation survey on conflict areas allegedly with CLOA/CADT-048 over AMRI tenement	June 2016
1st Quarter C.Y. 2016 CTWG meeting of SMMCI at Placer, SDN	June 2016
Earth Day celebration of Bislig City	June 2016
2nd Provincial Business Conference at PDI 5. Cluster Deliberation of ASDMP of CMC, LMC, OVMPC,	June 2016

	AAMPHIL-2B, Wellex 1& 2	
	Cluster Deliberation of ASDMP of AAMPHIL-1, CPC-Casiguran, CPC-Rapid, Krominco Inc., OSMC, Sinosteel, HY	June 2016
	Cluster Deliberation of ASDMP of Philsaga, MMPRC	June 2016
	Dialogue for Illegal SSM of Brgy. Cabangahan, Cantilan, SDS	August 2016
	Ceremonial Turn-Over of Taganito Elem. School & high School Two-Storey building Construction	August 2016
	DENR-Caraga CSO Dialogue	September 2016
<b>Radio &amp; TV Guesting</b>	Katilingban ug Kinaiyahan Radio Program aired on Radyo Magbalantay with Ms. Thelma Macul of Sinosteel Phils. H.Y. Mining Corp.	January 8, 2015
	Katilingban ug Kinaiyahan Radio Program aired on Radyo Magbalantay with Mr. Daniel Job Tecson of Wellex Mining Corporation	January 15, 2016
	Katilingban ug Kinaiyahan Radio Program aired on Radyo Magbalantay with Ms. Jerlyn Sibonga of Cagdianao Mining Corporation	January 22, 2016
	Radio natin	February 2016
	WOW FM	February 2016
	DXBP	February 2016
	Radio Program guest LMC	February 2016
	Prime FM	February 2016
	Radio Program with guest CNC	February 2016
	Katilingban ug Kinaiyahan Radio Program aired on Radyo Magbalantay with Ms. Judy Urbiztondo & Ms. Nissi Aline Alvarez of Taganito Mining Corporation	March 11, 2016
	Katilingban ug Kinaiyahan Radio Program aired on Radyo Magbalantay with Mr. Vic Sapinit, HR Manager; Ms. Sarah Mullaneda, Information Officer; & Mr. Jefred Equibal, Community Relations Assistant of Pacific Nickel Phils, Inc.	March 18, 2016
	Radio Program guest HMC	May 2016
	Radio Program guest PGMC	May 2016
	Interview with Boy "Power"	May 2016
	Interview with RPN	May 2016

	Interview with Radio Asenso	May 2016
	Radio Program guest ADNAMA	May 2016
	Radio Program guest RPN DXKS	May 2016
	Radio Program guest THPAL	May 2016
<b>Press releases/ Photo releases/ Feature stories</b>	Mindanao Centro Newspaper: Mine Managers Gipatawag sa MGB dated 01-29-16	February 2016
	Super Banat	February 2016
	Interview with Mr. Ernesto Burnea of Caraga Bulletin	March 2016
	Interview with Mr. Lindon Tagabunlang of Mindanao Daily News	March 2016
	Interview with Mr. Celso Balonera of Mindanao Newsmaker	March 2016
	Interview with Messrs. Renato and Reycardo Balaba and Melchor Jorcla of Mindanao Post	March 2016
	Interview with Mr. Romy Tundag of Mindanao FrontPage	March 2016
	Interview with Mr. Benjie Ballaran of Centro News Daily	March 2016
	Anti-Illegal mining task force organized by Mike Crismondo of Manila Bulletin dated March 31, 2016	May 2016
	Women of Dinagat coastal village take driver's seat by Danilo V. Adorador III of PDI dated April 12, 2016	May 2016
	Interview with Mr. Boy "Power" Portuguese of Caraga Aksyon Balita April 11, 2016	May 2016
	Bodies of 3 miners retrieved from mudslide in Surigao by Mike Crismondo of Manila Bulletin April 25, 2016	May 2016
	Mining Firms plant trees by Mike Crismondo of Manila Bulletin April 28, 2016	May 2016
		October 2016



## Capacity Building on MRGS Rules, Laws and Regulations

### Workshops/Training Conducted/Coordinated Participated on

Mining is at the very center of the process of development because it is seen as a key driver of economic development while often having an environmental disturbance. With this, as the regulatory body of the minerals industry, various workshops/trainings were conducted to equip everyone in terms of mining laws, rules and regulations.

Capacity Building on MRGS Rules, Laws & Regulations:

Performance Indicator	Annual Target	Annual Accomplishment	% Accomplishment
Workshops/training conducted/coordinated participated on: (no.)			
For MGB personnel to attend to (no.)	4	4	100%
For LGUs and other stakeholders (no.)	100	101	101%
For Small Scale Miners (no.)	32	32	100%

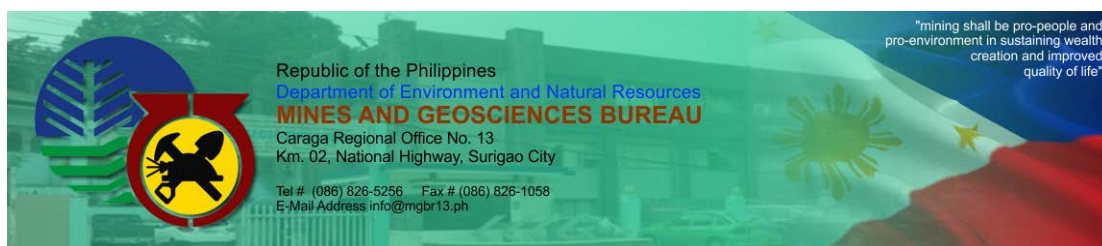
Performance Indicator	Activity	Month Conducted
For MGB Personnel to Attend to	Seminar/Workshop on the Implementation of the Government Accounting Manual and the 2015 Year-End Closing of the Books cum Conference on Administrative Matters and Mechanisms on January 10-15, 2016	January 10-15, 2016
	Performance testing of Thermo Niton X-Ray Fluorescence (XRF) XL3T9950 Analyzer	February 2016
	GAD Planning and Budgeting Coaching and Mentoring	February 2016
	Assisting the MGB CO in the Implementation of Zero Backlog Project for all pending permit application	March 2016
	GIS Technology Orientation and Echo of Basic Training of ARCGIS 10.1 Software Application	March 2016
	Mine Safety, Environment and Social Development Division Forum on March 14-18, 2016 at MGB Central Office in Quezon City	March 2016

	Master in Environmental Management (MEM) and Master of Science in Crop Science (MSCS) Program Stakeholder Evaluation Workshop on February 27, 2016 at the Caraga State University Conference Room in Butuan City	March 2016
	Presentation of PCIEERD Funded-Project cum Research Proposal Workshop	March 2016
	The Learning Event on Administrative Reform and Anti-Corruption (ARAC) Under Modules III & IV	April 2016
	4th Seminar-Workshop on mining conflict/dispute resolution held in Citystate Asturias Hotel, Puerto Princesa City, Palawan	April 2016
	Training on Web Migration and Development using JOOMLA 3.0x Web Template	May 2016
	Supervisory Development Course - Module 2 by CSC Butuan City	May 2016
	Forum on Fire and Electrical Safety March 26, 2016	May 2016
	Forum on HIV/AIDS April 1, 2016	May 2016
	Forum on Green Economic Development on April 28, 2016	May 2016
	Training on Trainors on SPMS @ Angeles City	June 21-25, 2016
	Training Workshop on Writing & Presenting Research Proposals Towards Building Science Culture in Caraga Region	August 2016
	Reprogramming Workshop	October 2016
<b>For LGUs and other stakeholders</b>	Training/Seminar on Basic Fire Fighting, Mine Rescue and Water Search and Rescue Techniques at CTP Construction, Carrascal, SDS	April 2016
	Training/Seminar on Basic Occupational Safety and Health (BOSH) at CTP Construction, Carrascal, SDS	April 2016
	Training/Seminar on Basic Occupational Safety and Health (BOSH) at Philsaga Mining Corp.	April 2016
<b>For Small Scale Miners</b>	Training for MAVISSMA Small Scale Miners with the Trainers from Apex Mining Co., Inc. Title: Small Scale mining Training for MAVISSMA on Recue, Safety and Environmental Protection dated April 20-22, 2016	April 20-22, 2016
	Training for Small Scale Miners at Mun. of Rosario, ADS	July 2016

## Generate/Publish/Disseminate Information & IEC Materials

Effective Information, Education and Communication (IEC) materials are an important component in promoting the minerals industry. This component highlights the various forms of information disseminations to reinforce what people already know, and to contribute to changing landscape of the mining sector in terms of its laws, industry updates, its future programs and projects.

### Website Established/ Maintained



New Heading of MGB 13 Website

Performance Indicator	Annual Target	Annual Accomplishment	% Accomplishment
Articles Issued	24	24	175%
IEC materials produced	4	4	100%
IEC materials reproduced/distributed	100	101	101%
Statistics reports submitted to MGBCO	32	32	100%
Maps/Map Info Database submitted to MGBCO	24	24	100%
MRGS reports submitted to MGBCO	35	35	100%

## National Linkages

As the famous line states that, “We cannot do it alone”, thus, coordinating linkages with other national line agencies is an important component in Communication Plan Development.

MGB 13 has coordinated/Participated the following, to wit;

<b>Performance Indicator</b>	<b>Annual Target</b>	<b>Annual Accomplishment</b>	<b>% Accomplishment</b>
Linkages Coordinated (no.)	12	24	200%

<b>Performance Indicator</b>	<b>Activity</b>	<b>Month Reported</b>
<b>Linkages Coordinated</b>	Seminar/Workshop on the Implementation of the Government Accounting Manual and the 2015 Year-End Closing of the Books cum Conference on Administrative Matters and Mechanisms on January 10-15, 2016	January 10-15, 2016
	Regional Forum for FY 2017 Budget Presentation dated 01-15-16	February 2016
	DOST-EMIEERALD 2016 Planning and Review Meeting	February 2016
	1st RDC-GADCC Full Committee Meeting	February 2016
	EDC-TWG Meeting	February 2016
	People's Day of SDN participated by various national agencies	February 2016
	RDC-RLUC Meeting	March 2016
	RDC-EDC Budget Consultation with CSO	March 2016
	RDC-1st Qrt Meeting (86th RDC)	March 2016
	2016 1 Billion Rising	March 2016
	"Kalandrakas" National Women's Month	March 2016
	Meeting w/ DENR XIII	March 2016
	Field visit at DPWH SDN 1st District	March 2016
	2016 National Women's Month Celebration	March 2016
	Meeting with DENR 13 re: Culmination Program of Women's Month	March 2016
	Field visit at DPWH SDS 2nd District, Bislig City	March 2016
	Field visit at DPWH SDS 1st District, Tandag City	March 2016
	Blue Day (Women's Month Celebration Activity on March 8, 2016 in Surigao City)	March 2016
	Joint PAME & RCC Meeting cum site visit for 1st Quarter CY 2016	April 2016
	2016 National Women's Month Celebration Culmination Program	April 2016
	Regional Dialogue of Business Leaders on the Mindanao Power Supply Situation at Butuan City	April 2016

	Penciled technical conference at EMB 13	May 2016
	Attend/participate the penciled technical conference at EMB Butuan	May 2016
	RDC-EDC 2nd Quarter Meeting	June 2016



GSD

---

## **Geosciences Development Services**

---

The Geosciences Development Services shall conduct geological, geoenvironmental and mineral exploration surveys; complement with other division in the evaluation of mining rights applications; and provide geological and geo-scientific information and geo-technical services to other Government agencies, mining contractors/permittees and the general public.

The GDS is mandated to do the following functions, to wit;

1. Vulnerability & Risk Assessment;
2. Updating of 1:10k Geohazard Map;
3. Coastal Geohazard & Impact to Climate Change;
4. Geologic Quadrangle Mapping; and
5. Groundwater Resources Assessment;

### **Geohazard Survey & Assessment**

The Geohazard Mapping and Assessment Program is an on-going priority program of the DENR, which is being implemented by the Mines and Geosciences Bureau (MGB). Its main objective is to identify areas in the country which are susceptible or vulnerable to various geologic hazards, or geohazards. The program also seeks to provide information to various stakeholders in order to lessen or mitigate the impact of these events.

### **Identification and Mapping of Critical Land Areas**

---

This program of activity comprises the following sub-activities, to wit;

1. Vulnerability and Risk Assessment (VRA);
2. Updating of 1:10,000 Scale geohazard maps as a result of changes due to natural calamities;
3. Detailed Sub-surface Assessment;
4. Geohazard IEC Materials Dissemination;
5. Capacity Building;
6. Conduct IEC to LGUs;

7. Geohazard Operation Center;
8. Coastal Geohazard and Impact to Climate Change; and
9. Field Mapping and Survey (1:10,000).

- **Vulnerability and Risk Assessment**
- **Updating of 1:10,000 Scale Geohazard Maps**

With the completion of the 1:10,000-scale geohazard mapping project, the Mines and Geosciences Bureau was tasked to continue its contribution to the Disaster Risk Reduction Management / Climate Change Adaptation initiatives of the National Government thru a new project, Vulnerability and Risk Assessment (VRA) which started in year 2015. With the accomplished geohazard maps as a key input, VRA primarily aims to generate exposure maps of the population, build-up areas and lifeline infrastructures such as roads to rain-induced hazards such as flooding and landslides. It however also provides an opportunity to update the existing geohazard maps and validate those cities or municipalities in which the 10K geohazard mapping and assessment was undertaken thru outsource and thru MOA with mining companies.

For this year, four (4) cities and eight (8) municipalities of Caraga Region were covered by the VRA program (Figure 1). These are:

1. Cabadbaran City, Agusan del Norte
2. Bayugan City, Agusan del Sur
3. Surigao City, Surigao del Norte
4. Bislig City, Surigao del Sur
5. Buenavista, Agusan del Norte
6. Nasipit, Agusan del Norte
7. Esperanza, Agusan del Sur
8. Prosperidad, Agusan del Sur
9. San Francisco, Agusan del Sur
10. Trento, Agusan del Sur
11. Veruela, Agusan del Sur
12. Barobo, Surigao del Sur

Updating of 1:10,000-scale landslide and flood susceptibility geohazard maps of Cabadbaran City was done during the VRA activity.

Performance Indicator	Annual Target	Annual Accomplishment	% Accomplishment
Vulnerability & Risk Assessment	12	12	100%
Updating of 1:10,000 Scale Geohazard Maps	1	1	100%
Reports Prepared (no.)	13	13	100%





Buenavista, Agusan del Norte

Geotagging the location of Agong-ong National High School located at Barangay Agong-ong. Flood susceptibility was also assessed in the school site with newly constructed buildings during the assessment. GPS coordinates 8° 57' 53.1" N / 125° 23' 13.5" E.

Cabdbaran City, Agusan del Norte



Houses built under Cabadbaran Bridge at Purok 8 which are highly prone to flooding caused by Cabadbaran River overflow.



Nasipit, Agusan del Norte

Slope failure located at the back of the Minbahandi Elementary School of Barangay Camagong. GPS coordinates 8° 51' 45.9" N / 125° 17' 24.6" E.



Heavy rains occur; this road section of barangay Mt. Carmel going to the proper is hardly to pass through due to its condition. GPS coordinates: N8.78604 E125.82669

Bayugan City, Agusan del Sur



A local resident at Purok 4, Barangay Concordia pointing the highest flood height experienced during the 1981 typhoon. The Agusan River and Libang River simultaneously overflowed which resulted into an enormous flood.

Esperanza, Agusan del Sur

### Prosperidad, Agusan del Sur



Barangay Hall and Daycare Center located in Purok 2 of New Maug shows the sediments (clay, sands and silts) that have been carried when the a river adjacent to the barangay overflows. The barangay is highly risk in flooding. GPS coordinates: N8.63870 E125.92509



Local residents pointing the highest flood height experienced at Purok 3A in barangay Tagapua with the coordinates of N 830'45.9" and E 125'54'03.6". The area is proximal to the Gibong River and is rated as very high in flood susceptibility.

### San Francisco, Agusan del Sur



Municipal Multi-purpose Hall at Purok 4, Brgy. Poblacion which also serves as Trento's main evacuation center.

### Trento, Agusan del Sur



A massive landslide located along the main road of Sitio Lapu-lapu in Barangay La Fortuna. The area is underlain mainly by unconsolidated soil. Heavy rain oversaturates the soil making it very susceptible to landslide.

### Veruela, Agusan del Sur



Minor landslide occurrence observed in the area of Purok 2 of Brgy. Trinidad indicating unstable slopes. GPS coordinates is 09°42'07.6"N; 125°30'07.6"E.

### Surigao City, Surigao del Norte





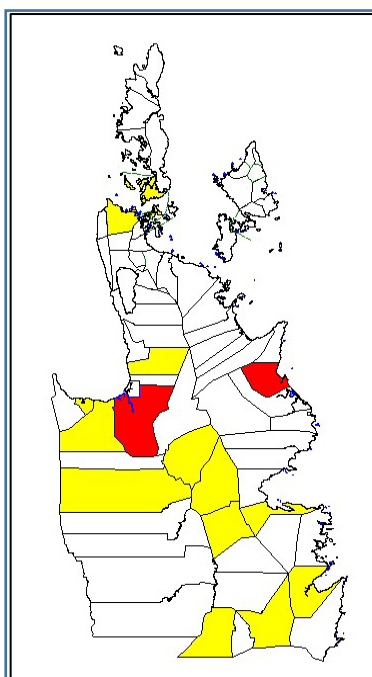
Panoramic view of mining activities in sitio Sorex and sitio Garden, barangay Tambis. Without proper mitigation, the said activity can contribute to ground instability. The area is highly risk to landslide.

Baroboro, Surigao del Sur



Purok 4, barangay Tumanan, showing some houses near riverbanks. This is located 800 meters from the shoreline, where river and tide currents meet, resulting in high risk in flooding. GPS coordinates: N8.26528 E126.34563

Bislig City, Surigao del Sur



Province	Municipality/City	# of brgys.	Pop 2015
Agusan del Norte	Buenavista	25	61,614
	Cabadbaran City	31	73,639
	Nasipit	19	41,957
Agusan del Sur	Bayugan City	43	103,202
	Esperanza	47	54,801
	Prosperidad	32	82,631
	San Francisco	27	74,542
	Trento	16	51,565
	Veruela	20	43,706
Surigao del Norte	Surigao City	54	154,137
Surigao del Sur	Barobo	21	49,730
	Bislig City	24	94,535
<b>Total</b>		<b>12</b>	<b>886,059</b>

2015

2016

Figure 1. Map showing the areas covered by the VRA in 2015 and 2016

- **Capacity Building**

As part of its continuing advocacy to capacitate technical personnel to further enhance their knowledge and skill in the performance of their tasks and/or promote their professional growth thru participation in seminars / conferences in their respective discipline, the following training programs were attended by staff of the division:

**A. Analytical Laboratory Personnel**

<b>Title of Training Program</b>	<b>Organizer / Sponsor</b>	<b>Date of Program</b>	<b>Venue</b>	<b>Name of Attendees</b>
Metrology Seminar “ Weighing Scales and Balances Calibration Training Workshop	Philippine Institute of Chemical Engineers, SDN Chapter in partnership with DOST-Caraga	December 8-9, 2016	Flavors, PARKWAY, Surigao City	Cecilia L. Consuegra Jusrit Elvie B. Seguis
Practical and cost Effective Solutions to Laboratory Chemical Wastes	Integrated Chemist of the Philippines	October 18-19, 2016	Elka Club, Countlian Plaza, Makati City	Cecilia L. Consuegra
Radiation Protection Officers Training	Cotheca-Elite Inspection Phils. Inc in partnership with CDRRHR-PSGRT	June 1-3, 2016	Tavern Hotel, Surigao city	Archielyn C. Nimez
31 <sup>st</sup> Chem congress	Integrated Chemist of the Philippines	April 13-15, 2016	Iloilo City	Cecilia L. Consuegra
77 <sup>th</sup> PICHE National Convention	Philippine Institute of Chemical Engineers (PICHE) National and PICHE Panay	February 17-20, 2016	Ecovillage, Malay, Aklan	Jusrit Elvie B. Seguis Archielyn C. Nimez
Updates on Philippine Chemical Regulations 2016 : An Inter Regulatory Agency Overview	Integrated Chemist of the Philippines	February 16-17, 2016	PNP Multipurpose Center, Camp Crame, Quezon City	Cecilia L. Consuegra

## B. Geology Personnel

Title of Training Program	Organizer / Sponsor	Date of Program	Venue	Name of Attendees
29 <sup>th</sup> Annual Geological Convention	Geological Society Of the Philippines	December 13-14, 2016	Dusit Thani Hotel, Makati City	Melvin A. Mantilla Elaine L. Galido Kate A. Boquilon Beda Louie O. Cagampang Claysterkim J. Paloma
Seminar Workshop on Coastal Geology and Review of the Implementation of the coastal Geohazard Assessment Project-Survey procedures, Data processing and Map preparation	Marine Geological Survey Division (MGSD)	December 7-10, 2016	Matabungay, Lian, Batangas	Elaine L. Galido Claysterkim J. Paloma Rubenar Cagubcob
MGB Annual Technical Forum	MGB Region 3	November 10-12, 2016 Widus Hotel, Clark Free Port Zone, Pampanga	Widus Hotel, Clark Free Port Zone, Pampanga	Cecilia L. Consuegra Kate A. Boquilon Beda Louie O. Cagampang
Basic Arc-GIS	Lands Geological Survey Division (LGSD)	November 2-9, 2016	Selah Garden Hotel, Pasay City	Kate A. Boquilon Beda Louie O. Cagampang
Land Geological Survey Geoscience Workshop	MGB Central Office, (LGSD, HEGS)	August 23-29, 2016	Icon Hotel, Timog, Quezon City	Romeo M. Dalodado Liza T. Pacete Melvin A. Mantilla Elaine L. Galido
Geological Quadrangle Mapping Workshop – Standardization of Procedures for Geologic Quadrangle Mapping	Lands Geological Survey Division (LGSD)	March 7-11, 2016	Contemporary Hotel, Araneta Avenue, Quezon City	Elaine L. Galido Liza T. Pacete Kate A. Boquilon Dionesio A. Surigao
Hunt for Ore Deposits	Rushurgent Working Group	January 25-26, 2016	Grand Royal Hotel, Davao City	Elaine L. Galido Liza T. Pacete Kate A. Boquilon

Performance Indicator	Annual Target	Annual Accomplishment	% Accomplishment
Training/seminars for MGB technical personnel (no.)	8	13	163%

- **Conduct IEC to LGUs**

Formal IEC campaign on 1:10,000-scale training workshop on map reading and interpretation was conducted to 28 LGU's of Caraga Region while distribution of 10K geohazard quadrangle maps was done for the remaining 45 LGU's of the Region. In addition, nine (9) municipalities of Leyte Province and 92 barangays of Tacloban City, Region VIII were also covered by the formal IEC campaign.

In Caraga Region, main focus of the IEC is to present the results of the landslide and flood susceptibility mapping for feedbacking by the barangay officials and updating of geohazard landslide and flood susceptibility rating database at the purok/sito level and, conduct lecture on map reading with workshop/exercises on interpretation of the 1:10,000-scale geohazard quadrangle maps before being distributed to the covered LGU's at the municipal and barangay level. In the 10 LGU's covered in Leyte Province, overview lectures on floods, coastal erosion, landslide and karstic subsidence hazards were presented instead before the lecture and workshop exercises on map reading and interpretation.

For Caraga Region, a total of two thousand fifty six (2,056) true-to-scale 10K geohazard quadrangle maps were disseminated to the one thousand three hundred six (1306) barangays of the Region (Table 1). For the province of Leyte, a total of seventy five (75) true-to-scale 10K geohazard quadrangle maps were provided to the municipalities/city while three hundred twenty (323) 1:10,000 scale geohazard maps reduced to A3 size were disseminated to the two hundred ninety (290) brgy's (Table 2). These were received either directly by barangay representatives or thru the MDRRM/CDRRM Officer. The 10K geohazard quadrangle maps were also made accessible for download at the MGB Region XIII website at the following portal link:

<http://www.mgbr13.ph/index.php/gsd-3/10k-geohazard-provinces-quadrangle/>

Other IEC materials such as posters, flyers and VCD's were also provided during the IEC campaign. Three (3) landslide warning signages were also provided to LGU's namely, barangay Cuarenta, San Jose, Dinagat Islands, Barangay Sukailang, Surigao City and Barangay Tolingon, Mainit, Surigao del Norte.



Picture shows the conduct of IEC to LGUs as well as distribution of IEC materials

Performance Indicator	Annual Target	Annual Accomplishment	% Accomplishment
Posters disseminated (no.)	1000	227	23%
VCDs disseminated (no.)	60	362	603%
Pamphlets/Flyers disseminated (no.)	500	1998	400%
Signages/Billboards installed (no.)	2	2	100%
Quarangle Geohazard Maps uploaded in the website (no.)	73	405	555%
Tri-Media (no.)	4	6	150%

**NOTE:** Despite of several requests, MGB C.O. failed to provide us posters for dissemination. Thus, we only accomplished 23% as to the annual target.

Performance Indicator	Annual Target	Annual Accomplishment	% Accomplishment
Seminars/Workshops conducted for LGU's (Barangay) (no.)	964	964	100%

List of Barangays covered with IECs: [Annex A](#)

### Geohazard Operation Center

Maintenance of the Geohazard Operation Center and its operationalization during times of inclement weather condition remains a continuing activity of the Office.

Furnishing of previous 10K geohazard assessment reports and re-issuance of landslide/flood threat advisories were done in selected cities/municipalities during the IEC campaign especially those with a changed administration.

During the approach of Tropical Depression Marce on November 24, 2016, advisories were prepared for the five (5) provinces of Caraga and Butuan City. Advisories were also issued for the active operating mines in the Region.

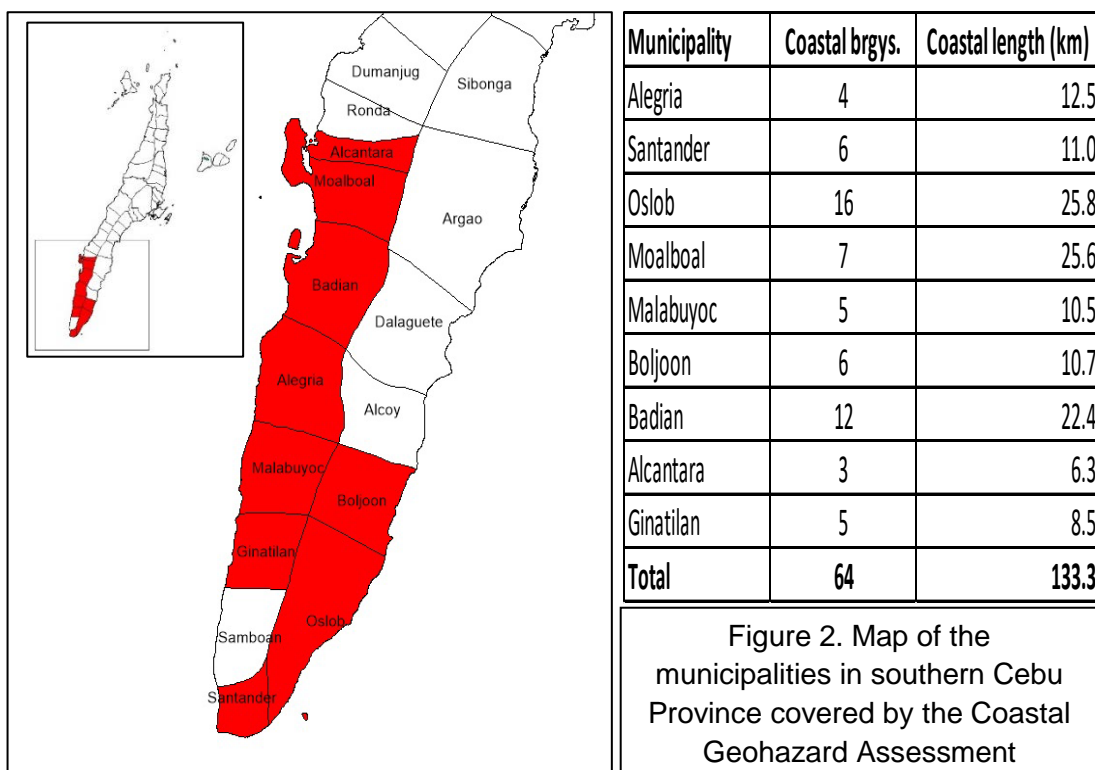
### Coastal Geohazard & Impact of Climate Change

Coastal geohazard survey with approximate coastal length of approximately 133.3 kilometers was conducted in nine (9) municipalities of southern Cebu province, Region VII namely:

1. Boljoon
2. Oslob
3. Santander
4. Guinatilan
5. Malabuyoc
6. Alegria
7. Badian
8. Moalboal
9. Alcantara

Performance Indicator	Annual Target	Annual Accomplishment	% Accomplishment
Coastal Geohazard & Impact of Climate Change	9	9	100%
Reports Prepared (no.)	9	9	100%





The fieldwork was undertaken in two (2) phases with the first phase from July 6-25, 2016 covering the first 5 municipalities in the above list and the remaining 4 covered from August 11-30, 2016.

Coastal Mapping and Assessment was conducted by mapping the shoreline using handheld GPS receiver which are superposed on old topographic maps to determine whether the shore is eroding or accreting. Beach profiling was also done at selected segments of the coast to determine the morphology and to compare beaches or coastlines in different locations. Erosion evidences such as exposed roots of vegetation in the area, eroded roads and infrastructure were also noted. Existing mitigating structural measures such as seawalls or groins to minimize erosion rates were likewise mapped. Field assessment were supplemented by interview with the locals to gather anecdotal records on longer-term coastal erosion rates brought about by normal conditions (alternate *amihan* and *habagat* periods) as well as extreme weather events like the passage of storms or typhoons. Advisories were served to sixty four (64) coastal barangays of the target areas indicating their susceptibility to coastal erosion and other coastal-related hazards.



An interview conducted to one of the residents of Barangay Malabago, Badian as part of historical data gathering of coastal geohazards experienced by the community.



Mangrove Forest along the shoreline of Bgry. Bato, Badian  
Geographic Coordinate: 9° 50' 28.6"N 123° 22' 22.6"E



Beach Profiling on Lambug Beach, Brgy. Lambug, Badian  
Geographic Coordinate: 9° 51' 31.7"N 123° 22' 6.7"E

## Coastal Geohazard Assessment at Badian, Cebu



Limestone/Coral Platform exposed during low tide at a private resort in Brgy. Lambug, Badian  
Geographic Coordinate: 9° 52' 5.1"N 123° 22' 15.5"E



Muddy coast and Mangrove forest of Brgy. Balabagon, Moalboal  
Geographic Coordinate: 9° 55' 16.77"N 123° 23' 56.4"E

Mapping and geotagging structures like groin in Brgy. Poblacion East, Moalboal  
Geographic Coordinate: 9° 56' 15.2"N 123° 23' 27.4"E



Mangrove forest of Brgy. Tomonoy, Moalboal  
Geographic Coordinate: 9° 56' 06"N 123° 23' 42.5"E



Shoreline Mapping and geotagging structures like seawall in Brgy. Saavedra, Moalboal  
Geographic Coordinate: 9° 56' 52.96.2"N 123° 21' 57.43"E

## Coastal Geohazard Assessment at Moalboal, Cebu





Aquaculture and Mangrove Plantation of Brgy. Palanas, Alcantara Geographic Coordinate: 9° 58' 43.3"N 123° 24' 7.2"E



Mangrove Forest of Brgy. Palanas, Alcantara  
Geographic Coordinate:  
9° 59' 9.6"N  
123° 23' 58"E

Mangrove Forest Park/Boardwalk along the muddy coast in Brgy. Poblacion, Alcantara



Aquaculture and Mangrove Plantation of Brgy. Polo, Alcantara

## Coastal Geohazard Assessment at Alcantara, Cebu



Tagging the end of a seawall during shoreline mapping conducted at Barangay South Granada. GPS coordinates 9° 35' 59.9" N / 123° 28' 28.2" E.



Coastal erosion evident on the beach area of Brgy. Poblacion near the river mouth of Lusapon Creek. GPS coordinates 9° 37' 28.6" N / 123° 28' 44.5" E.



Shoreline mapping starting point at the end of a seawall located in Club Fort (?) Resort in Barangay Arbor. GPS coordinates 9° 38' 07.6" N / 123° 28' 57.2" E

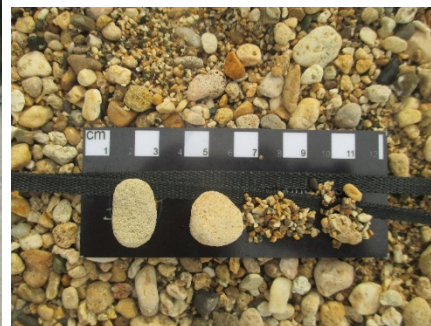


Photo showing the grain size classification of the beach deposits, degree of roundness and sphericity, composition, etc. GPS location of sample is at the profile line in Barangay Poblacion (Lusapon area). GPS coordinates 9° 37' 30.9" N / 123° 28' 45.1" E

## Coastal Geohazard Assessment at Boljoon, Cebu





Uplifted coral terraces observed on the coast of Barangay Gawi. The coral terrace is about a kilometer stretch and the average uplift is about 0.2-0.4 m. Photo location is at 9° 34' 44.5" N / 123° 28' 03.0" E.

### Coastal Geohazard Assessment at Oslob, Cebu



One of the breached seawalls observed along the coastline of Oslob, Cebu. Photo above is located at Brgy. Lagunde with geographic coordinates 9° 31' 55.0" N / 123° 26' 16.8" E.



Shoreline mapping conducted in Barangay Mainit. GPS location 9° 26' 03.0" N / 123° 21' 32.3" E.



Photo showing the composition of beach deposits located at Barangay Poblacion in one of the profile line conducted. GPS coordinates 9° 24' 52.4" N / 123° 19' 19.2" E.

### Coastal Geohazard Assessment at Santander, Cebu



Tilted **coconut** tree and erosion markers present at in between the coastal boundary of Barangay Poblacion and Lilo-an observed during the shoreline mapping in the area.



Some portions of the tidal flats exposed during low tide in the coast Barangay Talisay. GPS coordinates 9° 27' 15.8" N / 123° 18' 04.3" E.





Beach Profile Line (BPL) conducted in Barangay Poblacion, one of BPL that was directed in Ginatilan Municipality. Geographic coordinates 9°34'36.3"N 123°18'47.1"E.



Penetrated seawalls noted along the coast of Barangay Guiwanon. Geographic coordinates N9°35'16.9" 123°18'52.9"E.

## Coastal Geohazard Assessment at Ginatilan, Cebu

Beach profiling conducted in Barangay Poblacion. GPS coordinates 9°39'19.5"N 123°19'23.0"E



## Coastal Geohazard Assessment at Malabuyoc, Cebu

Broken seawalls observed along the shore of Barangay Montañesa. Trashed was noted thrown at the breached seawall. Geographic coordinates 9°40'13.7"N 123°19'25.4"E.



Coastal erosion observed at the shore of Barangay Filomena. Average eroded coast is 0.2-0.3 meters. Geographic coordinates 9°45'54.4"N 123°20'35.6"E.



Exposed tidal flats were observed during low tide in some areas of the coast of Barangay Madredijos. GPS coordinates is 9°47'10.3"N 123°20'34.4"E.

## Coastal Geohazard Assessment at Alegria, Cebu

## Quadrangle Geological Mapping and Surveys

Geologic quadrangle mapping at 1:50,000 scale was undertaken in Region III and portion of Region II. Two (2) quadrangles were covered by the survey, updating of Malolos Quadrangle which was conducted from March 11 - 23, 2016 and generation of new geologic map of Alupiye Quadrangle conducted from March 27 – April 25, 2016.

### Malolos Quadrangle

Malolos Quadrangle (Map Sheet 3164 I) is bounded by the following geographic coordinates:  $14^{\circ} 50'$  to  $15^{\circ} 00'$  North latitudes and  $120^{\circ} 45'$  to  $121^{\circ} 00'$  East longitudes covering parts of the provinces of Bulacan and Pampanga. It is physiographically located within the Central Luzon Basin.

Two (2) formations were mapped in the area namely Pleistocene *Guadalupe Formation* which outcrops at the eastern part of the

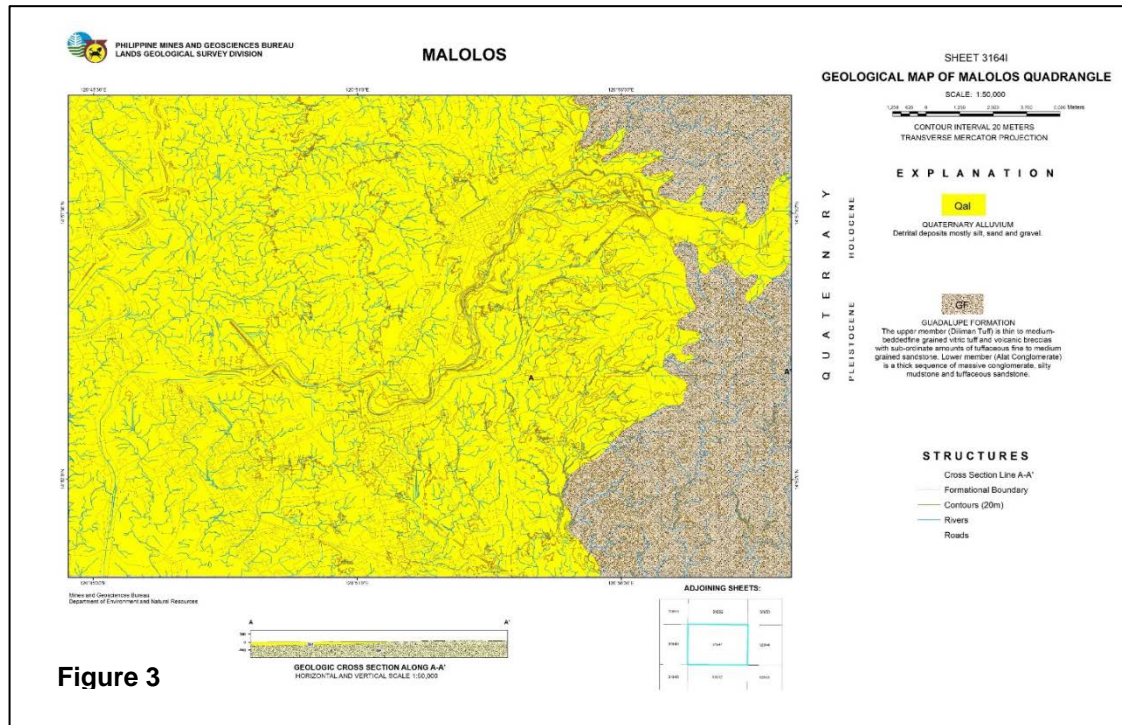
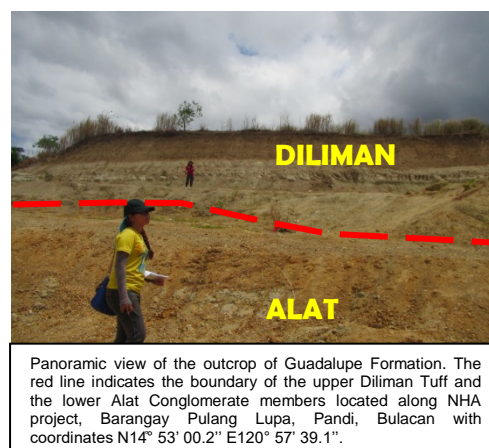


Figure 3

quadrangle and the more extensive *Quaternary Alluvium* (Figure 3).



## Alupipecy Quadrangle

Alupipecy Quadrangle (Map Sheet 4146 IV) is bounded by geographic coordinates  $15^{\circ} 50'$  to  $16^{\circ} 00'$  North latitudes and  $121^{\circ} 15'$  to  $121^{\circ} 30'$  East longitudes covering parts of the provinces of Nueva Viscaya, Quirino and Aurora occupying the southern part of the Caraballo Mountain Range characterized by rugged topography with relief of up to 1900 meters.



Intrusive rocks identified to be metamorphosed tonalite located at Brgy. Cauayan, Alfonso Castañeda. N  $15^{\circ} 56' 55.0''$  E  $121^{\circ} 20' 44.2''$ .

From oldest to youngest, the quadrangle is underlain by four (4) formations namely: a) Middle to Late Eocene *Caraballo Formation*, b) Eocene *Dinalugan Diorite Complex*, c) Early Oligocene to Early Miocene *Dupax Diorite Complex*, and d) *Quaternary Alluvium* (Figure 4).

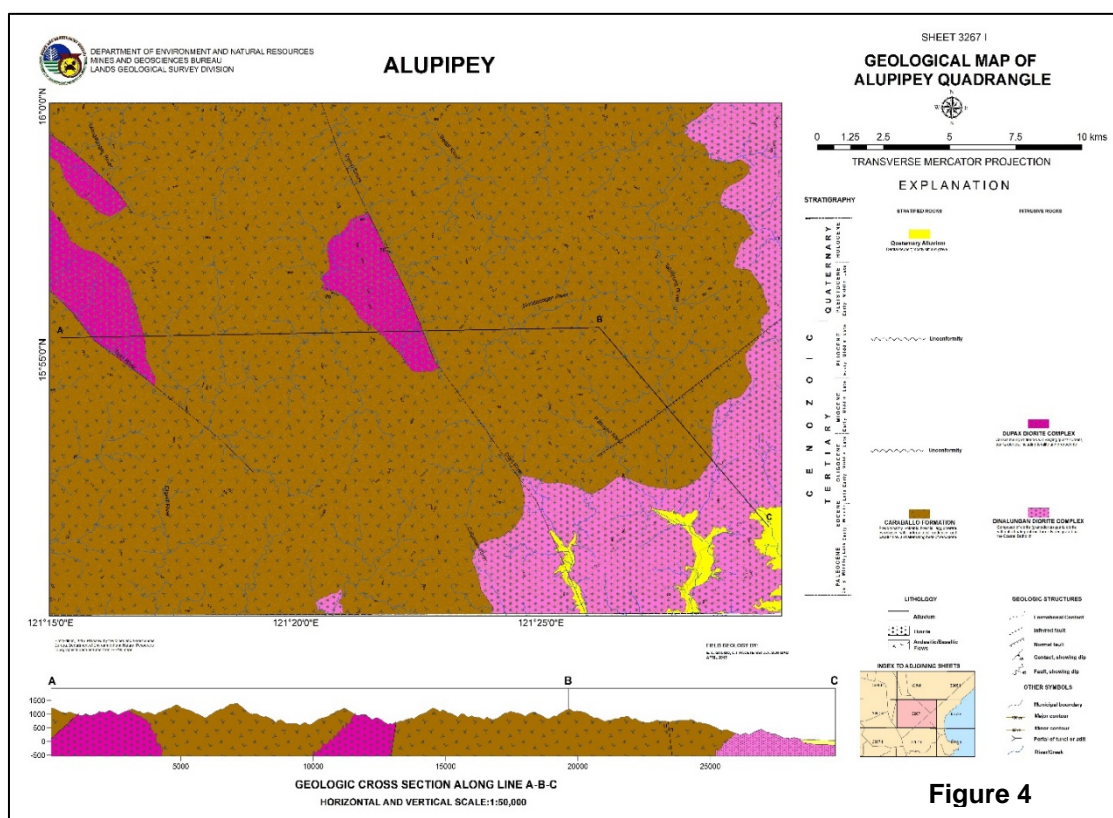


Figure 4

Performance Indicator	Annual Target	Annual Accomplishment	% Accomplishment
Quarangle Geological Mapping & Surveys	2	2	100%
Reports Prepared (no.)	2	2	100%

## Laboratory Services

---

The Mines and Geosciences Bureau, Regional Office No. XIII, Surigao City Chemical Laboratory Services Section has provided laboratory / testing services on rocks, ores and minerals to determine content of gold, nickel, iron, chromite, manganese, among others. Moreover, MGB-XIII laboratory can analyze pH and Total Suspended Solids on water samples.

This year, it has 75.87% and 112.93% attainment on the number of samples and number of determinations, respectively. Please find below the summary of laboratory analysis as follows:

ANALYSIS MADE	% SAMPLES	% DETERMINATIONS
Au, g/MT	1.73	26.00
TSS/pH	35.93	29.18
%Ni & %Fe	37.60	56.40
%Fe in Au	0.60	1.35
<b>TOTAL:</b>	<b>75.87</b>	<b>112.93</b>

ANNUAL TARGET CY 2016: **1500 SAMPLES / 40,000 DETERMINATIONS**

For CY 2016 revenues collected on paid samples amounted to **Php 130,395.00** and samples evaluated amounted to **Php 284,460.00**.

Almost all of the nickel and iron analysis made were on pulp samples of nickel beneficiated ores taken from ore transport umpiring in nickel producing mining companies in Caraga.

Water samples submitted by mining companies in MGB-XIII Laboratory for pH and total suspended solids analysis were taken during MMT Inspection for water quality monitoring and assessment. Other water samples analyzed were submitted by students for their thesis studies.

MGB-XIII laboratory was involved in other MGB-13 programs/projects/activities especially on ore validation, mineral reservation and environmental resource mapping undertakings, and laboratory inspection in mining companies for their application with the PNP to purchase controlled chemicals to be used in their assay laboratories. Furthermore, the laboratory participated in the conduct of IEC campaign on 1:10,000 scale geo-hazard mapping and assessment to Local Government Units, Vulnerability and Risk Assessment and Groundwater Resource Assessment.



On the month of January 2016, The Analytical Laboratory took part in the stockpile validation activity conducted in mining companies namely, *Marcventures Mining & Development Corporation* (MMDC), *Agata Mining Ventures Inc.* (AMVI) and *Taganito Mining Corp.* (TMC) through analyzing stockpile ores on-site by the use of handheld XRF. On the same month, XRF and AAS were under preventive maintenance by Service Engineers from Brownstone Asia-Tech Inc. and Shimadzu Phils. Inc. respectively.



One (1) Chemist and One (1) Laboratory Technician were able to attend the 77<sup>th</sup> PIChE National Convention last February 17 to 20, 2016 at Ecovillage Resort and Convention Center, Malay, Aklan. This year's theme, "Chemical Engineers

Addressing Challenges of ASEAN Integration", focused on the role of Filipino Chemical Engineers in the ASEAN community. The convention was a good opportunity for chemical engineers to gather and share experiences and knowledge of matters related to the advancement of the practice of chemical engineering. It also encouraged Filipino chemical engineers to raise their level of competence locally and globally and to be more updated in the emerging trends and latest innovations in their field of practice.

On February 16 to 17, 2016, The Section Head of ANALAB attended a seminar on the Updates of the Philippine Chemical Regulations 2016: "An Inter-Regulatory Agency Review" in Camp Crame, Quezon City and attended the 31<sup>st</sup> Philippine Chemistry Congress last April 13 to 15, 2016 in Ilo-ilo City. The



congress is an annual gathering of Philippine-based and foreign-based chemists, scientists, researchers, and educators from the industry, academe and government engaged in stimulating exchange of ideas; strengthening local and international linkages; encourage cooperation among the delegates; and discussing challenging issues and other trends for the advancement of the chemistry profession towards the continuing progress and sustainable development of our country. This Year's theme: "*Chemistry Beyond Borders: Blurring Traditional Boundaries*".

On May 25 to 27, 2016, The Section Head of ANALAB joined MGB Inspection team for the conduct of inspection/validation in Cagdianao Mining Corp. located at Brgy. Valencia, Municipality of Cagdianao, Province of Dinagat Islands. This is in connection to the request of Cagdianao Mining Corp. for a



CERTIFICATION/ENDORSEMENT as one of the requirements for the application of their license from the Philippine National Police to purchase explosive ingredients and/or Controlled Chemicals.

On June 1 to 3, 2016, laboratory Technician attended a training course for Radiation Safety Officers of Industrial and Anti-crime X-Ray Facilities at Hotel Tavern, Surigao City. This is in connection with the XRF Facility's compliance with the Department of Health (DOH) Administrative Order No. 40 series of 1996 and the requirement of the Administrative Order No. 124 series of 1992 (Rules and Regulations Governing the Establishment, Operation, and Maintenance of an X-Ray Facility in the Philippines) demands that ***no x-ray facility may operate without a valid license issued by the DOH***, certification of a Radiation Safety Officer is required in securing the License to Operate (LTO). Operators of equipment producing radiation shall have undergone training in radiation protection.

The fumehood scrubber being an indispensable equipment in the laboratory is still under repair for more than 6 months now. We are sure that this will greatly influence the realization of planned targets for CY 2017. Initiatives to be undertaken next year will be slow or will have an imminent setback due environmental impacts caused by the fumes resulting from the analysis works.

Other concerns include the laboratory's old or obsolete sample preparation equipment, no dust collector, distilling apparatus to mention a few.

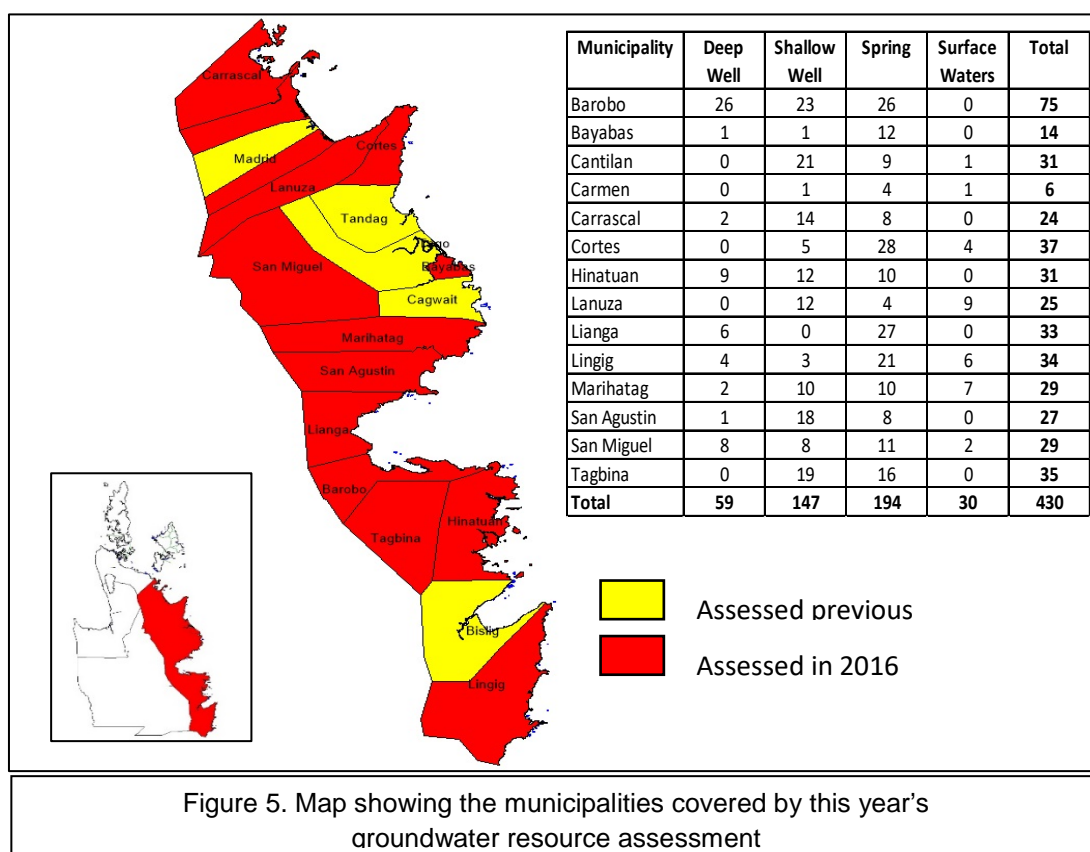
The lack of manpower to provide laboratory services especially for gold analysis.

PERFORMANCE INDICATOR	ANNUAL TARGET	ANNUAL ACCOM	% ACCOM
Samples Analyzed	1,500	1,129	75%
Determination Made	40,000	45,170	113%

**NOTE:** The 75% compliance is due to the fumehood scrubber being an indispensable equipment in the laboratory is still under repair for more than 6 months now.

## Groundwater Resources Assessment

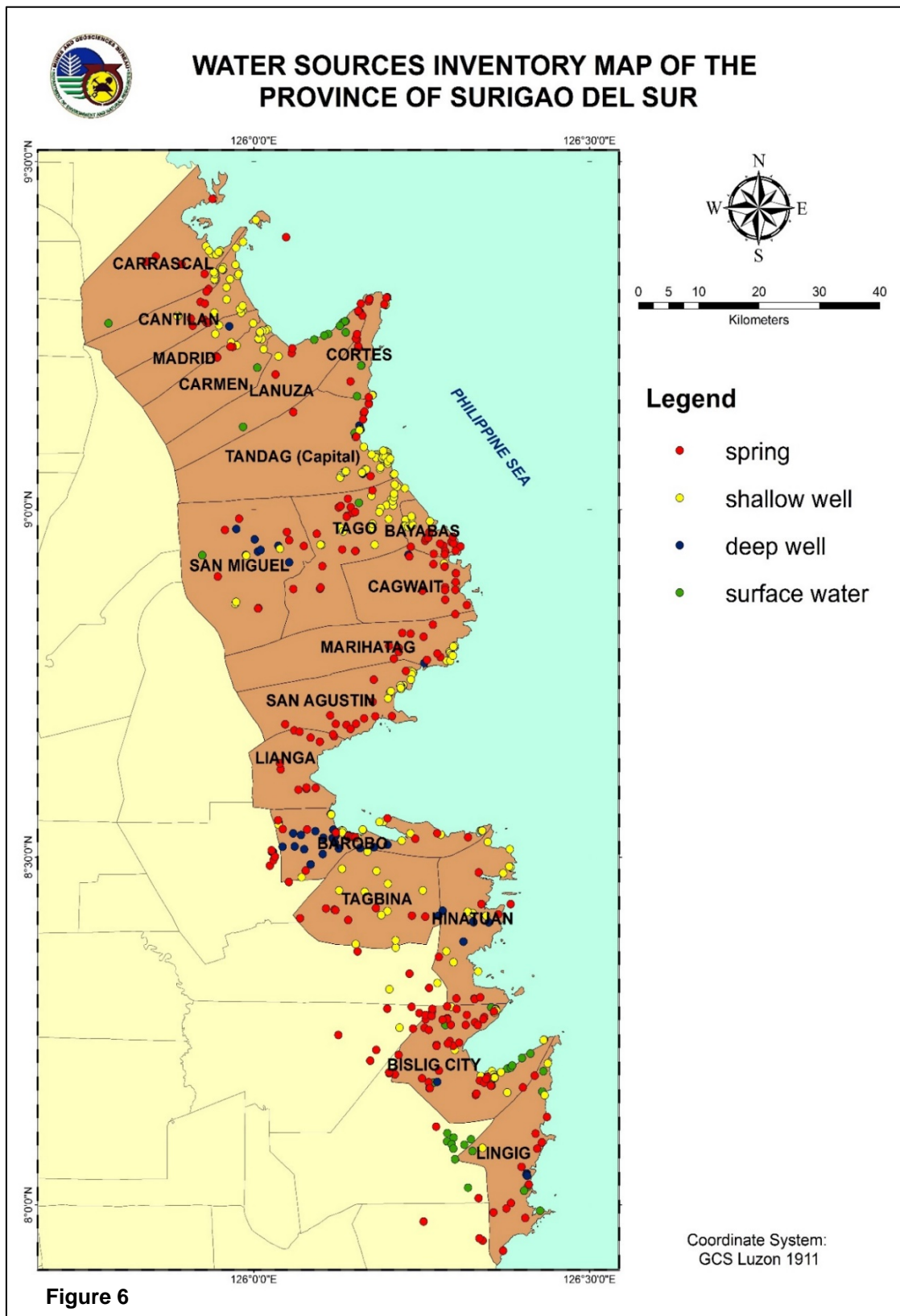
Groundwater resource survey was undertaken in the Province of Surigao del Sur. Field survey was conducted in fourteen (14) municipalities of the province namely Barobo, Bayabas, Cantilan, Carmen, Carrascal, Cortes, Hinatuan, Lanuza, Lianga, Lingig, Marihatag, San Agustin, San Miguel and Tagbina. A total of 430 domestic water sources were inventoried during the field survey. Of these 59 and 147 are abstracted from deep and shallow wells respectively while 194 are tapped from spring sources. Some barangays were also noted to derive their water source from surface waters (Figure 5).



Water quality testing was conducted at point sources in areas covered after the provision of field testing kit by MGB Central Office.

Reports and database from the five (5) LGU's of the province namely Bislig City, Cagwait, Madrid, Tago and Tandag City which were already covered by previous year's groundwater resource surveys were integrated in this year's water sources

inventory (Figure 6) to come up with a province-wide groundwater resource availability report and hydrogeological map.







## Miscellaneous Geological Services

A total of fourteen (14) geological services were provided to various clientele during the year in review. This could be further categorized based on purpose as follows:

### Geohazard Certifications

As one of the mandatory requirement for securing an Environmental Clearance Certificate for housing projects and, optionally, other land development projects as deemed applicable by the Environmental Management Bureau (EMB), Geohazard Identification Survey (GIS) was conducted on the following proposed sites:

Name of Project	Proponent	Location
North Town 2 Subdivision	VCDU Realty Corporation	Brgy. Libertad, Butuan City
North Town 3 Subdivision	VCDU Realty Corporation	Brgy. Libertad, Butuan City
New Generation Homeowner's	Leberacion T. Bahala,	Brgy. Marcos , Magallanes,

Association	President. , New Generation Homeowner's Association	Agusan del Norte.
Dream Village Resettlement Project	Ramon M. Calo Municipal Mayor Municipality of Carmen Province of Agusan del Norte	Brgy. Poblacion, Carmen, Agusan del Norte
Lanuza Resettlement Project	Salvacion S. Azarcon Municipal Mayor Municipality of Lanuza Province of Surigao del Sur	Purok 2, Brgy. Bocawe, Lanuza, Surigao del Sur.
Bayside Subdivision Housing , Phase II of NHA	Hon. Librado Navarro City Mayor Bislig City, SDS	Brgy. Poblacion, Bislig City
Alexander Patiño Homes Subdivision	Alexander Patiño	Brgy. Mabini, Placer, Surigao del Norte
Trento Resettlement Project 2	Johnmark C. Billanes Municipal Mayor Municipality of Trento Province of Agusan del Sur	Trento, Agusan del Sur
Phase 3 and Phase 4 homes Subdivision	Wet Consultancy,	Brgy. Villa Kananga, Butuan City.

### **Solid Waste Disposal Site Assessment**

---

As part of its technical support to the Environmental Management Bureau in evaluating the geological site suitability of proposed solid waste disposal sites of LGU's prior to issuance of Notice to Proceed (NTP), two (2) proposed landfill/eco-park projects were assessed, one for the LGU of Lanuza, Province of Surigao del Sur and the other for Las Nieves, Province of Agusan del Sur. Both were assessed as feasible site for development subject to some conditions to mitigate geo-environmental effects on the surrounding vicinity.

### **Other Geological-related Assessments**

---

Other studies/investigations of a geologic or geo-environmental nature were undertaken in response to requests from LGU's and/or concerned stakeholders. These are:

1. Report on the Open Pit Slope Failure Incident at Sitio Remedios, Brgy. Tambis, Barobo, Surigao del Sur which claimed three (3) casualties.
2. Report on the Geohazard Assessment of the River Scouring and historical River Morphology of Daywan River in Claver, Surigao Del Norte
3. Report on the assessment of Reported soil creep at Purok 2, Brgy. Tambis, Barobo, SDS



**MLA**

---

## Mineral Lands Administration

---

The Mineral Lands Administration has two major components namely;

1. Mineral Investment Promotion Program (MIPP); and
2. Mineral Industry Development Program (MIDP).

MIPP activities are the issuance of mining contracts/permits including areas within mineral reservations and other related permits which also have the following programs, to wit;

1. Issuance of Mining Permits;
2. Use It or Lose It Policy and Review of the Performance of Existing Mining Operations per EO no. 79;
3. Approval of SHES Program; and
4. Measures to Improve Small-Scale Mining per EO 79.

MIDP focuses on the monitoring and enforcement activities which also have the following components, to wit;

### Mining Industry:

1. Monitor/audit of approved mining contracts/permits including areas within mineral reservations as to compliance to the implementation of approved Work Program and Safety, Health, Environment and Socials Programs; and
2. Full Enforcement of Env't'l Standards in Mining Operations pursuant to EO no. 79:
  - A) Safety, Health, Environment and Socials Programs
  - B) Strengthen Multi-Partite Monitoring System

### Enforcement:

1. Resolution of Complaints/Cases /Conflicts; and
2. Anti-Illegal Mining.



## Mineral Investment Promotion Program (MIPP)

### Issuance of Mining Permits

A total of seven hundred thirty-nine (739) Ore Transport Permits and two hundred ninety (290) Certificates to Transport Ore Samples were issued for CY 2016. A decrease in number of issued Certification is noticeable, for our major clients in this undertaking are the third party laboratories (e.g. Intertek and SGS) who conduct the ore sample analysis between the Seller (Mining Companies) and the Consignee/Buyer during the



actual shipment of nickel ores. During the previous year, they will send the ore samples by batch/lot but during the previous quarters they sent it in bulk, it showed that the approximate quantity reflected in the Certification is about 500 kilograms of pulp samples compared to the previous Certifications the approximate quantity usually ranges from 90 to 110 kilograms.

For the issuance of other certificates like CEMCRR/COE, ACCREDITATION, DMPF, this Office issued a total of thirty-five (35) mining related permits. Based on record, most of the issuances are Certificate of Accreditation since this Office is requiring all processors, traders, dealers and retailers in the trading of mineral/mineral products and by products to apply for accreditation again pursuant to Chapter XIII of DAO No. 2010-21.

The issuance of a Mineral Ore Export Permit (MOEP) is a mandatory requirement in the shipment of mineral ores specially nickel. As for CY 2016 a total of six hundred eighty-one (681) Mineral Ore Export Permits were issued by this Office.

P/A/P	ANNUAL TARGET	ANNUAL ACCOM	% ACCOM
OTP/Certification	999	1029	103%
<i>OTP</i>	<i>599</i>	<i>739</i>	<i>123%</i>
<i>Certification</i>	<i>400</i>	<i>290</i>	<i>73%</i>
Others (Accreditations, CEMCRR/CoE, DMPF for RO-issued MPP)	16	35	219%
MOEP	437	681	156%

### Use It or Lose It Policy

Use it or Lose it Policy program was designed to closely monitor all mining applications in terms of its compliance in all mandatory requirements according to RA 7942 also known as the Philippine Mining Act of 1995. Additionally, a review of the performance of existing mining operations per EO no. 79 was also regularly conducted focusing on the performances of approved mining rights in terms of its compliance as stipulated on its Environmental Work Programs and Exploration Work Programs and other policies related to its mining activities or operation.

The table below will show the CY 2016 accomplishment.

P/A/P	ANNUAL TARGET	ANNUAL ACCOM	% ACCOM
Mining applications with final action	10	10	100%
Mining Permits/ Contracts reviewed/ endorsed for Cancellation	80	80	100%

Lists of Mining Applications with Final Actions:

COMPANY	REMARKS
Minimax Min. Expl'n. Corp. EXPA No. 000105-XIII	Returned: Area is within SAFDZ
Neptali P. Salcedo & Philsaga Mining Corp. EXPA No. 000114-XIII	Returned: Area is situated within the No-Go-Zone
Zhongli Mining Corp. EXPA No. 000196-XIII	Denied: Area is within SAFDZ
Shanghai Resources Corp. EXPA No. 000218-XIII	Denied: Area is within SAFDZ
Lunbatingan Mines, Inc.	Returned: Area is within the MPSA of Abacus
Century Peak EXPA No. 143-XIII	Returned: Area is within SAFDZ
Century Peak EXPA No. 090-XIII	Returned: Area is within SAFDZ
Mt. Mogan Res & Dev Corp. EXPA No. 000164-XIII	Issued with Denial Order
RF Mining & Agro-Industrial Management Inc. EXPA No. 000156-XIII	Issued with Denial Order
Solid North Mineral Corp. EXPA No. 000199-XIII	Issued with Denial Order
Solid North Mineral Corp. EXPA No. 000171-XIII	Issued with Denial Order

### Mining Tenement Statistics

As of this date, there are forty-nine (49) registered and approved Mineral Production Sharing Agreements, nine (9) Exploration Permits, two (2) Mineral Processing Permits, and two (2) Joint Operating Agreements making our new universe into 63 from 81 mining permits.

TYPE OF PERMIT	TOTAL NO. OF EXISTING/ VALID PERMIT	TOTAL NO. PERMIT CANCELLED	TOTAL NO. PERMIT EXPIRED	TOTAL NO. OF PERMIT
MPSA	49	1	2	52
EP	9		15	24
MPP	2			2
JOA	3			3
<b>TOTAL</b>	<b>63</b>	<b>1</b>	<b>17</b>	<b>81</b>

On the other hand, there are twenty-eight (28) Applications for Mineral Production Sharing Agreement, eighty-four (84) Applications for Exploration Permit. However, one hundred ninety-nine (199) total numbers of Applications for Mineral Production Sharing Agreement and one hundred thirty-one (131) numbers of applications for Exploration Permit have been denied or withdrawn.

TYPE OF PERMIT	TOTAL NO. OF APPLICATION	TOTAL NO. OF DENIED APPLICATIONS	TOTAL NO. WITHDRAWN APPLICATIONS
APSA	28	119	0
EXPA	84	108	23
<b>TOTAL</b>	<b>112</b>	<b>227</b>	<b>23</b>

Excluding the MPP and JOA, out of fifty-eight (58) existing and valid permits, twenty-five (25) permits are in operation stage and nineteen (19) are actively in exploration activities while six (6) were shutdown or suspended.

STATUS	NUMBER
Operating	25
Exploration	19
<i>MPSA</i>	<i>11</i>
<i>EP</i>	<i>8</i>
Shutdown/suspended	6
<b>TOTAL</b>	<b>50</b>

## Operating Mining Companies Statistics

---

### Operating: by permit

MPSA/OC	MPP	JOA	TOTAL
21	2	2	25

### Operating: by province

PDI	SDN	SDS	ADN	ADS	TOTAL
11	6	4	2	2	25

### Operating: by commodity

NICKEL	GOLD	CHROMITE	Nickel & Cobalt mixed Sulfite	TOTAL
20	3	1	1	25

### Operating: by commodity per province

PROVINCE	NICKEL	GOLD	CHROMITE	Nickel & Cobalt mixed Sulfite	TOTAL
ADN	2				2
ADS		2			2
SDN	4	1		1	6
SDS	4				4
PDI	10		1		11
<b>TOTAL</b>	<b>20</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>25</b>

## List of Operating Mining Companies in the Caraga

---

PROVINCE	NUMBER	NAME OF COMPANIES
Province of Dinagat	11	1. Cagdianao Mining Corp. 2. AAMPFIL-1 (JOA)

Islands		3. AAMPFIL-2 (JOA) 4. WELLEX Mining Corp. -1 5. WELLEX Mining Corp. -2 6. Libjo Mining Corp. & Westernshore Nickel 7. Century Peak Corp. – Rapid Project 8. Century Peak Corp. – Casiguran Project 9. Oriental Synergy Mining Corp. 10. Oriental Vision Mining Phils., Co. – Palhi Project 11. Krominco, Inc.
Agusan del Norte	2	1. SR Metals Inc. 2. Agata Mining Ventures Inc.
Agusan del Sur	2	1. Philsaga Mining Corp. 2. Mindanao Mineral Processing Resources Corp. (MPP)
Surigao del Norte	6	1. Taganito Mining Corp. 2. Platinum Group Metals Corp. 3. Taganito HPAL (MPP) 4. Greenstone Resources Corp. 5. Adnama Mining Resources Inc. 6. Hinatuan Mining Corp.
Surigao del Sur	4	1. Carrascal Nickel Corp. 2. CTP Construction Devt. Corp. – Dahican Project 3. CTP Construction Devt. Corp. – Adlay Project 4. Marcventures Mining Devet. Corp.

#### Operating: Shutdown/Suspended

COMPANY	COMMODITY	STATUS	LOCATION
PNPI	Nickel	Temp. Shutdown	SDN
PCPI	Cement	Temp. Shutdown	SDN
MMC	Gold	Temp. Shutdown	SDN
Shenzhou	Nickel	Suspended	SDN
Sinosteel	Nickel	Permit Expired	PDI

### Approval of SHES Program

As one of the mandatory requirements, each operating mining companies are required to submit its operation plan in terms of Safety, health, Environment, and Social plans, activities and programs. Such planning tools are needed to be reviewed and approved.

P/A/P	ANNUAL TARGET	ANNUAL ACCOM	% ACCOM	REMARKS
EPEP/FMRDP/PEIR endorsed to MRFC (no.)		2		1.AAMPFIL – 1 2.Taganito Mining Corp.
Annual EPEP approved	28	22	79%	6 companies under care and maintenance
SDMP/CDP approved	2	2	100%	
Annual SDMP approved	28	25	89%	2 companies under deferred status while 1 did not submit its SDMP/CDP plan
Annual Safety and Health Programs approved	80	80	100%	
Environmental Work Program endorsed to MMD	2	2	100%	
NGP Monitoring Reports Submitted	2	1	50%	

### Annual Environmental Protection & Enhancement Program (AEPEP) Approved

Pursuant to the Implementing Rules and Regulations of the Philippine Mining Law (Republic Act 7942), DENR Administrative Order 2010-21, Section 169, mandates all mining contractors to submit an Environmental Protection and Enhancement Program (EPEP). The program covers all the environmental impact control and rehabilitation activities proposed during the life-of-mine including costings to ensure sufficient financial resources to meet the commitments for environmental protection and enhancement. Consequently, an Annual Environmental Protection and Enhancement Program (AEPEP) is also submitted, based on the approved EPEP, that outlines the yearly environmental management programs to be undertaken by a mining contractor. Monitoring of the compliance to the AEPEP is the primary role of the Multipartite

Monitoring Team (MMT), as deputized by the Mine Rehabilitation Fund Committee (MRFC) of the region.

For C.Y. 2016, a total of twenty-two (22) operating mining companies have allotted the total amount of **Two Billion Seven Hundred Ninety-Two Million Eight Hundred Two Thousand Three Hundred Eighty Pesos and Twenty-Nine Centavos (Php 2,792,802,380.29)** for the AEPEP. Total amount utilized as of the 3<sup>rd</sup> Quarter 2016 was **One Billion Eight Hundred Eighty Seven Million Seven Hundred Fifty-Seven Thousand Eight Hundred Six Pesos (Php 1,887,757,806.00)**, 68% of the annual budget. Six (6) companies under Care and Maintenance Program (CMP) due to temporary cessation of the mining operation have a total budget amounting to **Fourteen Million Five Hundred One Thousand Four Hundred Eighty-Four Pesos and Nineteen Centavos (Php 14,501,484.19)**. Total amount utilized as of the 3<sup>rd</sup> Quarter 2016 was **Six Million Seven Hundred Eight Thousand Six Hundred Forty-Two Pesos and Forty-Four Centavos**, 46% of the annual budget. The table below shows the Annual EPEP and CMP Budget and Fund Utilization of Caraga Mining Companies for C.Y. 2016.

Among the five (5) group of companies by province, Surigao del Norte with seven (7) operating companies, has the highest AEPEP fund utilized amounting to One Billion Five Hundred Thirty One Million Eighty Six Thousand Four Hundred Ninety Seven Pesos (Php 5,581,086,497). This was mainly due to the high direct milling cost (DMC) of the operation of Taganito HPAL Nickel Corporation (THPAL) which processes low grade nickel ores (limonite) from Taganito Mining Corporation (TMC) into an export product of mixed sulfides.

Other nickel mining companies in region spent most of the 2016 AEPEP budget to construction and maintenance of settling ponds, silt collector sumps, check dams, drainage canals and other environmental structures. These were all constructed and regularly desilted to catch silt/sediments from active mining area, allow it to settle for a considerable amount of time, before finally discharged to nearby river or creeks. Another PPA with a huge amount of budget is water spraying. This is regularly conducted in major haul roads to minimize dust emission and ensures that air quality remains within DENR standards. Re-shaping and backfilling of mined-out areas which is part of the rehabilitation process that aims to restore mined-out areas and transform it back to its original state before the start of mining operation, is the third activity with the highest financial requirement in the AEPEP.

Mineral processing companies in Caraga region, spent a large amount of their 2016 AEPEP budget to tailings and wastewater neutralization. This entails the use of chemical reagents to ensure that impounded tailings and wastewater in the tailings storage facility (TSF) are maintained in neutral state that pose no detrimental effects to aquatic life.

**ANNUAL EPEP & CMP BUDGET AND FUND UTILIZATION OF CARAGA MINING COMPANIES FOR C.Y. 2016**

COMPANY		ANNUAL PLAN		Total Utilized as of 3rd qtr.	% accomp. as of todate
		CoA Ref #	Approved Budget		
Surigao del Norte					
1	Adnama Mining Resources, Inc.	RXIII-AEPEP-2016-012	19,175,515.90	10,274,546.07	54%
2	Greenstone Resources Corporation	RXIII-AEPEP-2016-015	79,944,580.00	86,564,503.00	108%
3	Hinatuan Mining Corporation - Talavera Nickel Project	RXIII-AEPEP-2016-013	67,013,050.00	58,937,642.00	88%
4	Pacific Nickel Philippines, Inc.	RXIII-AEPEP-2016-014	15,152,782.00	5,009,522.18	33%
5	Platinum Group Metals Corporation	RXIII-AEPEP-2016-011	111,497,960.00	69,418,683.63	62%
6	Taganito HPAL Nickel Corporation	RXIII-AEPEP-2016-010	1,899,845,327.00	1,207,147,653.00	64%
7	Taganito Mining Corporation	RXIII-AEPEP-2016-009	128,392,551.00	93,733,948.05	73%
Surigao del Sur					
8	Carrascal Nickel Corporation	RXIII-AEPEP-2016-003	59,210,174.00	33,513,567.00	57%
9	CTP Construction and Mining Corp.- Adlay Mining Project	RXIII-AEPEP-2016-001	72,475,236.00	39,400,818.94	54%
10	CTP Construction and Mining Corp.- Dahican Nickel Project	RXIII-AEPEP-2016-002	20,787,402.86	4,359,515.17	21%
11	Marcventures Mining and Development Corporation	RXIII-AEPEP-2016-004	20,696,477.31	29,446,979.06	142%
Agusan del Norte					
12	Agata Mining Ventures, Inc.	RXIII-AEPEP-2016-005	37,199,598.00	38,134,615.41	103%
13	SR Metals, Inc.	RXIII-AEPEP-2016-008	47,993,673.64	40,570,226.86	85%
Agusan del Sur					
14	Mindanao Mineral Processing and Refining Corp.	RXIII-AEPEP-2016-007	59,931,037.39	45,907,002.84	77%
15	Philsaga Mining Corporation	RXIII-AEPEP-2016-006	58,740,303.96	47,944,435.58	82%
Province of Dinagat Islands					
16	AAMPFIL Natural Res. Exploration and Devt. Corp. - Parcel 1	RXIII-AEPEP-2016-021	9,782,500.00	7,947,000.00	81%
17	AAMPFIL Natural Res. Exploration and Devt. Corp. - Parcel 2B	RXIII-AEPEP-2016-022	9,461,000.00	5,049,900.00	53%
18	Cagdianao Mining Corporation	RXIII-AEPEP-2016-			131%



		020	25,852,427.23	33,772,810.88	
19	Century Peak Corp. - Nickel Mining Project	RXIII-AEPEP-2016-018	6,994,000.00	3,919,167.50	56%
20	Century Peak Corp. - Parcel II Mining Project	RXIII-AEPEP-2016-019	9,083,000.00	5,257,212.50	58%
21	Libjo Mining Corporation	RXIII-AEPEP-2016-016	26,976,872.00	18,343,265.02	68%
	Westernshore Nickel Corporation		3,330,848.00	-	0%
22	Oriental Vision Mining Phils. Corp.	RXIII-AEPEP-2016-017	3,266,064.00	2,497,415.00	76%
<b>Total: 2,792,802,380.29 1,887,150,429.69</b>					<b>68%</b>
1	Krominco, Inc.	RXIII-CMP-2016-001	775,500.00	351,761.00	45%
2	Sinosteel Phils. HY Mining Corp.	RXIII-CMP-2016-002	2,199,751.19	700,658.93	32%
3	Manila Mining Corporation	RXIII-CMP-2016-003	2,365,905.00	2,350,611.00	99%
4	Oriental Synergy Mining Corp.	RXIII-CMP-2016-004	2,396,000.00	506,126.16	21%
5	Wellex Mining Corp. - Area 1	RXIII-CMP-2016-005	1,328,904.00	539,436.00	41%
6	Wellex Mining Corp. - Area 2	RXIII-CMP-2016-006	5,435,424.00	761,808.00	14%
<b>Total: 14,501,484.19 5,210,401.09</b>					<b>36%</b>

## Social Development & Management Program (SDMP)

The Mines and Geosciences Bureau Regional Office No. XIII, together with national line agencies and non-government organizations as Appropriate Experts, deliberated over the 2016 Annual Social Development and Management Program (ASDMP) of Caraga mining companies on March 8-11, 2016 and April 20-22, 2016 at the MGB Training Center in Surigao City.

The deliberation of the ASDMP were done in cluster with the objectives that there will be no duplication of Projects/Programs/Activities (PPAs) and/or double charging of PPAs to the mining companies with common communities as well as to promote transparency and social responsibility. The SDMP aims to create responsible, self-reliant and resource-based communities capable of developing, implementing and managing community development programs, projects, and activities in a manner consistent with the principle of people empowerment.

Engr. Alilo C. Ensomo, Jr., MGB XIII Regional Director, has emphasized that the SDMP as a sustainable development program is intended for the general welfare of mining communities and thereby improves the quality of life of the marginalized and disadvantaged families even after the utilization of mineral resources. The welfare or benefits of the SDMP are not meant only for a particular sector/individual but rather the benefits of SDMP should always redound to the general welfare of the marginalized residents in the host/neighboring communities. The needs and welfare of the marginalized families should be the point of reference or determinant factor to implement the SDMP.



The activity has streamlined and enhanced the SDMP through community empowerment by equipping them with attitude, skills and knowledge (ASK) to achieve a virtuous cycle of economic independence.

Appropriate Experts from the following national line agencies, academes, religious sector and non-government organizations participated in the thorough evaluation and discussion for the enhancement of the Social Development

and Management Program of Caraga mining companies:

1. Department of Health (DOH) - Caraga Regional Office
2. Department of Social Welfare and Development (DSWD) - Caraga Regional Office
3. Technical Education and Skills Development Authority (TESDA) - Caraga Regional Office
4. Department of Science and Technology (DOST) - Caraga Regional Office
5. Department of Trade and Industry (DTI) - Caraga Regional Office

6. National Economic and Development Authority (NEDA) - Caraga Regional Office
7. Department of the Interior and Local Government (DILG) - Caraga Regional Office
8. Department of Education (DepEd)
9. Department of Agriculture (DA) – Caraga Regional Office
10. Department of Tourism (DOT) – Caraga Regional Office
11. Diocese of Surigao
12. Other religious sectors
13. St. Paul University Surigao
14. Caraga State University
15. Reach Foundation, Inc. (NGO)
16. PhilGrassroots (NGO)
17. Surigao Economic Development Foundation, Inc.
18. Surigao Chamber of Commerce and Industry
19. Municipal Planning and Development Office of the LGUs concerned
20. Provincial Planning and Development Office of the Five Provinces

After the cluster deliberation, the MGB XIII Regional Director approved the SDMP of the following mining companies as endorsed by the Appropriate Experts:

<b>Mining Companies</b>	<b>Date of Approval</b>
Carrascal Nickel Corporation	March 8, 2016
CTP Construction and Mining Corp. - Adlay Mining Project	March 8, 2016
CTP Construction and Mining Corp. – Dahican Nickel Project	March 8, 2016
Marcventures Mining and Development Corporation	March 8, 2016
Agata Mining Ventures, Inc.	March 9, 2016
SR Metals, Inc.	March 9, 2016
Taganito HPAL Nickel Corporation	March 10, 2016
Adnama Mining Resources, Inc.	March 10, 2016
Platinum Group Metals Corporation	March 10, 2016
Taganito Mining Corporation	March 10, 2016
Greenstone Resources Corporation	March 11, 2016
HMC-Taganaan Nickel Project	March 11, 2016
Pacific Nickel Phils., Inc.	March 11, 2016
Cagdianao Mining Corporation	April 20, 2016
Libjo Mining Corporation/Westernshore Nickel Corp.	April 20, 2016
Oriental Vision Mining Philippines Corp.	April 20, 2016
Aam-Phil Natural Resources Explo. & Dev't. Corp. – 2B	April 20, 2016
Wellex Mining Corporation- Area 1	April 20, 2016
Wellex Mining Corporation- Area 2	April 20, 2016
Aam-Phil Natural Resources Explo. & Dev't. Corp. – 1	April 21, 2016
Krominco Inc.	April 21, 2016
Oriental Synergy Mining Corp.	April 21, 2016
SinosteelPhils. HY Mining Corporation	April 21, 2016
Philsaga Mining Corp.	April 22, 2016
Mindanao Mineral Processing & Refining Corp.	April 22, 2016

MGB XIII has released the ASDMP Certificates of Approval to the mining companies after having addressed and incorporated the suggestions of the Appropriate Experts and submitted the final copy. Caraga has a total amount of Php **599,821,597.53** for the Social Development and Management Program of the mining communities.

### 2016 ASDMP Certificates of Approval

CONTROL NO.	COMPANY	APPROVED AMOUNT IN PESOS
RXIII-ASDMP-2016-001	CTPCMC-Dahican	2,790,405.59
RXIII-ASDMP-2016-002	CTPCMC-Adlay	28,007,276.68
RXIII-ASDMP-2016-003	SRMI	25,869,700.27
RXIII-ASDMP-2016-004	PGMC	60,678,445.54
RXIII-ASDMP-2016-005	THPAL	148,102,744.07
RXIII-ASDMP-2016-006	AMRI	10,102,789.46
RXIII-ASDMP-2016-007	CNC	34,590,482.74
RXIII-ASDMP-2016-008	AMVI	10,096,226.16
RXIII-ASDMP-2016-009	GRC	26,674,671.00
RXIII-ASDMP-2016-010	TMC	78,708,372.67
RXIII-ASDMP-2016-011	HMC-TNP	28,839,206.12
RXIII-ASDMP-2016-012	PNPI	7,496,087.06
RXIII-ASDMP-2016-013	PMC	17,525,244.00
RXIII-ASDMP-2016-014	MMPRC	12,092,080.32
RXIII-ASDMP-2016-015	WMC 2	9,029,448.65
RXIII-ASDMP-2016-016	CMC	28,865,189.82
RXIII-ASDMP-2016-017	SPHYMC	794,593.00
RXIII-ASDMP-2016-018	AAMPHIL P2b	6,649,006.7
RXIII-ASDMP-2016-019	AAMPHIL P1	3,094,544.52
RXIII-ASDMP-2016-020	OSMC	1,064,109.09
RXIII-ASDMP-2016-021	LMC/ WNC	13,672,864.50
RXIII-ASDMP-2016-022	MMDC	32,977,384.96

RXIII-ASDMP-2016-023	WMC 1	1,363,788.40
RXIII-ASDMP-2016-024	KI	958,799.00
RXIII-ASDMP-2016-025	OVMPC	9,778,137.21
RXIII-ASDMP-2016-026	CPC Casiguran	3,224,811.02
RXIII-ASDMP-2016-027	CPC Esperanza	5,645,450.00
<b>TOTAL</b>		<b>610,992,854.73</b>

Section 134 of DAO 2010-21 stipulates that the Contractor/Permit Holder/Lessee shall submit to the Regional Office concerned a sworn statement of its previous year's operating costs within sixty (60) days after the end of each calendar year as basis for the implementation of the Annual SDMP wherein 75% of 1.50% shall be apportioned to implement the SDMP-Development of the Host and Neighboring Communities (DHNC), 10% of 1.50% for the implementation of Program for the Development of Mining Technology and Geosciences (DMTG) and 15% of 1.50% for the implementation of Information, Education and Communication (IEC) Program.

For this year 2016, the following mining companies/processing plants submitted its sworn statement of its previous year's operating costs (2015) as the source budget for 2016 ASDMP.

	<b>COMPANY</b>	<b>Date of Submission (Deadline 03/01/2016)</b>	<b>Amount of the 1.5% Operating Cost in Pesos</b>
1	AAMPFIL NAT. RES. E & D CORP. - PARCEL 1	no submission	
2	AAMPFIL NAT. RES. E & D CORP. - PARCEL 2B	no submission	
3	ADNAMA MINING RESOURCES INC.	April 4, 2016	10,102,789.45
4	AGATA MINING VENTURES, INC.	March 21, 2016	9,690,000.00
5	CAGDIANAO MINING CORP.	April 20, 2016	24,532,843.10
6	CARRASCAL NICKEL CORP.	April 18, 2016	27,840,483.00
7	CENTURY PEAK CORP. - CASIGURAN	March 30, 2016	1,051,323.55
8	CENTURY PEAK CORP. - RAPID CITY	March 30, 2016	1,043,615.34
9	CTP CONST. & MINING CORP. - ADLAY	February 23, 2016	22,132,769.00
10	CTP CONST. & MINING CORP. - DAHICAN	February 23, 2016	61,895.15
11	GREENSTONE RESOURCES CORP.	July 29, 2016	19,780,742.51
12	HMC-TAGANAAN NICKEL PROJECT	February 29, 2016	23,572,683.65
13	KROMINCO, INC.	February 2, 2016	600,201.49
14	LIBJO MINING CORP.	March 4, 2016	4,493,231.75
15	MARCVENTURES MINING AND DEVT.	March 2, 2016	29,700,421.00

	CORP.		
16	MINDANAO MIN. PROCESSING & REF. CORP.	January 16, 2016	9,613,859.07
17	ORIENTAL SYNERGY MINING CORP.	May 19, 2016	352,095.15
18	ORIENTAL VISION MINING PHILS. CORP.	April 19, 2016	11,266,546.80
19	PACIFIC NICKEL PHILS., INC.	March 1, 2016	1,174,000.00
20	PHILSAGA MINING CORP.	January 16, 2016	16,936,239.15
21	PLATINUM GROUP METALS CORP.	February 26, 2016	45,592,591.02
22	SINOSTEEL PHILS. HY MINING CORP.	March 16, 2016	580,000.00
23	SR METALS, INC.	February 29, 2016	25,869,700.27
24	TAGANITO HPAL NICKEL CORP.	February 29, 2016	192,200,145.00
	Visayas Slaked Limed Corp.		9,432,528.66
25	TAGANITO MINING CORP.	February 26, 2016	49,810,497.53
26	WELLEX MINING CORP. - AREA 1	June 15, 2016	1,194,886.35
27	WELLEX MINING CORP. - AREA 2	June 15, 2016	2,983,365.47
28	WESTERNSHORE NICKEL CORP.	February 29, 2016	3,067,459.00
<b>TOTAL</b>			<b>544,676,912.46</b>

The total ASDMP has reached to Php **610,992,854.73** although the sworn 1.5% Operating Cost is only Php **544,676,912.46** since the unspent amount of the previous year was added to the current year's ASDMP.

This Office has conducted the first semester ASDMP validation and submitted the complete reports to MGB Central Office. Below shows the list of the mining companies/mineral processing plant and the schedule of validation.

<b>MINING COMPANIES</b>	<b>DATE CONDUCTED</b>
Aam-Phil Natural Resources E & D Corp.- Parcel 1	August 29-30, 2016
Aam-Phil Natural Resources E & D Corp.-Parcel 2B	August 31 – Sept. 1, 2016
Adnama Mining Resources Inc.	July 21-22, 2016
Agata Mining Ventures, Inc.	October 19, 2016
Cagdianao Mining Corp.	August 29-31, 2016
Carrascal Nickel Corp.	July 28-30, 2016
Century Peak Corp. – Casiguran Nickel Project	July 4-5, 2016
Century Peak Corp. – Rapid City Nickel Project	July 6-7, 2016
CTP Construction and Mining Corp. – Adlay	Sept. 5-6, 2016
CTP Construction and Mining Corp. – Dahican	Sept. 5-6, 2016
Greenstone Resources Corp.	Sept. 7-8, 2016
Hinatuan Mining Corp.- Taganaan Nickel Project	July 21-23, 2016
Krominco, Inc.	July 6-7, 2016



Libjo Mining Corporation	March 30, 2016
Marcventures Mining & Dev't. Corp.	Aug. 31 – Sept. 1, 2016
Mindanao Mineral Processing and Refining Corp.	Sept. 29 – Oct. 1, 2016
Oriental Synergy Mining Corp.	July 4-5, 2016
Oriental Vision Mining Phils. Corp.	July 7-9, 2016
Pacific Nickel Phils., Inc.	Sept. 27-28, 2016
Philsaga Mining Corp.	Sept. 29 – Oct. 1, 2016
Platinum Group Metals Corp.	July 13-15, 2016
Sinosteel Phils. H.Y. Mining Corp.	July 8-9, 2016
SR Metals, Inc.	Sept. 26, 2016
Taganito HPAL Nickel Corp.	Sept. 29-Oct. 1, 2016
Taganito Mining Corp.	Sept. 19-20, 2016
Wellex Mining Corp. – Area 1	Sept. 1-2, 2016
Wellex Mining Corp. – Area 2	Sept. 1-2, 2016

MGB Regional office XIII has monitored and validated only the first semester of 2016 since the submission for the SDMP second semester accomplishment reports of the mining companies as basis for the validation will be on the 16<sup>th</sup> day of January 2017. Hereunder is the SDMP financial accomplishment of the mining companies/mineral processing plants as of June, 2016 with some photo-documentation.



It is affirmed by the community that they are aware of the SDMP projects implemented by the mining companies/processing plants. Likewise, these people have expressed their heartfelt thanks to the companies' SDMP for the livelihood projects and skills training they have availed for free. They considered the livelihood programs as big help to increase the family's meager income.

1st Semester 2016 ASDMP Financial Accomplishment:

COMPANY	SDMP Allocation (in Pesos)	1st sem Actual Implemented Cost (in Pesos)	Remaining Balance (in Pesos)	% of Accom- plishment
<b>PDI Companies</b>				
AAMPHIL P1	3,094,544.52	593,000.85	2,501,543.67	19%
AAMPHIL 2B	6,649,006.70	2,051,267.30	4,597,739.40	31%
CMC	28,865,189.82	6,300,175.66	22,565,014.16	22%
CPC - Casiguran	3,224,811.02	254,940.88	2,969,870.14	8%
CPC- Rapid City	5,645,450.00	40,184.52	5,605,265.48	1%
LMC	13,672,864.50	2,785,294.26	10,887,570.24	20%
KI	958,779.00	159,280.00	799,499.00	17%
OSMC	1,064,109.09	167,774.00	896,335.09	16%
OVMPC	9,778,137.21	2,672,657.32	7,105,479.89	27%
SPHYMC	794,593.00	57,725.00	736,868.00	7%
WMC 1	1,363,788.40	86,000.00	1,277,788.40	6%
WMC 2	11,330,464.68	388,250.00	10,942,214.68	3%
<b>Sub-Total</b>	<b>86,441,737.94</b>	<b>15,556,549.79</b>	<b>70,885,188.15</b>	
<b>SDN Companies</b>				
AMRI	10,102,789.46	6,747,405.05	3,355,384.41	67%
GRC	26,674,671.00	8,498,989.00	18,175,682.00	32%
HMC-TNP	28,839,206.12	8,639,766.78	20,199,439.34	30%
PNPI	7,496,087.06	2,889,464.04	4,606,623.02	39%
PGMC	60,678,445.54	14,075,424.00	46,603,021.54	23%
THPAL	148,102,744.07	61,676,153.02	86,426,591.05	42%
TMC	78,708,372.67	25,278,687.05	53,429,685.62	32%
<b>Sub-Total</b>	<b>360,602,315.92</b>	<b>127,805,888.94</b>	<b>232,796,426.98</b>	
<b>SDS Companies</b>				
CNC	34,590,482.74	4,134,600.00	30,455,882.74	12%
CTP-ADLAY	28,007,276.68	1,641,357.83	26,365,918.85	6%
CTP-DAHICAN	2,790,405.75	460,049.00	2,330,356.75	16%
MMDC	32,977,384.96	9,741,474.43	23,235,910.53	30%
<b>Sub-Total</b>	<b>98,365,550.13</b>	<b>15,977,481.26</b>	<b>82,388,068.87</b>	
<b>ADN Companies</b>				
AMVI	10,096,226.16	1,814,357.04	8,281,869.12	18%
SRMI	25,869,700.27	16,415,068.85	9,454,631.42	63%
<b>Sub-Total</b>	<b>35,965,926.43</b>	<b>18,229,425.89</b>	<b>17,736,500.54</b>	
<b>ADS Companies</b>				
MMPRC	12,092,080.31	3,638,484.45	8,453,595.86	30%
PMC	17,525,244.00	6,924,846.11	10,600,397.89	40%

Sub-Total	29,617,324.31	10,563,330.56	19,053,993.75	
<b>GRAND TOTAL</b>	<b>610,992,854.73</b>	<b>188,132,676.44</b>	<b>422,860,178.29</b>	

The companies with very low financial accomplishments were notified and directed to fast track the implementation for the remaining two quarters in order to achieve one hundred percent accomplishment. Likewise, the companies were made to explain in writing why certain activities within the ASDMP of the company were not implemented. This Office strongly recommends that implementation should be fast tracked to attain higher percentage of accomplishments both financial and physical to avoid sanction on a very low accomplishment.

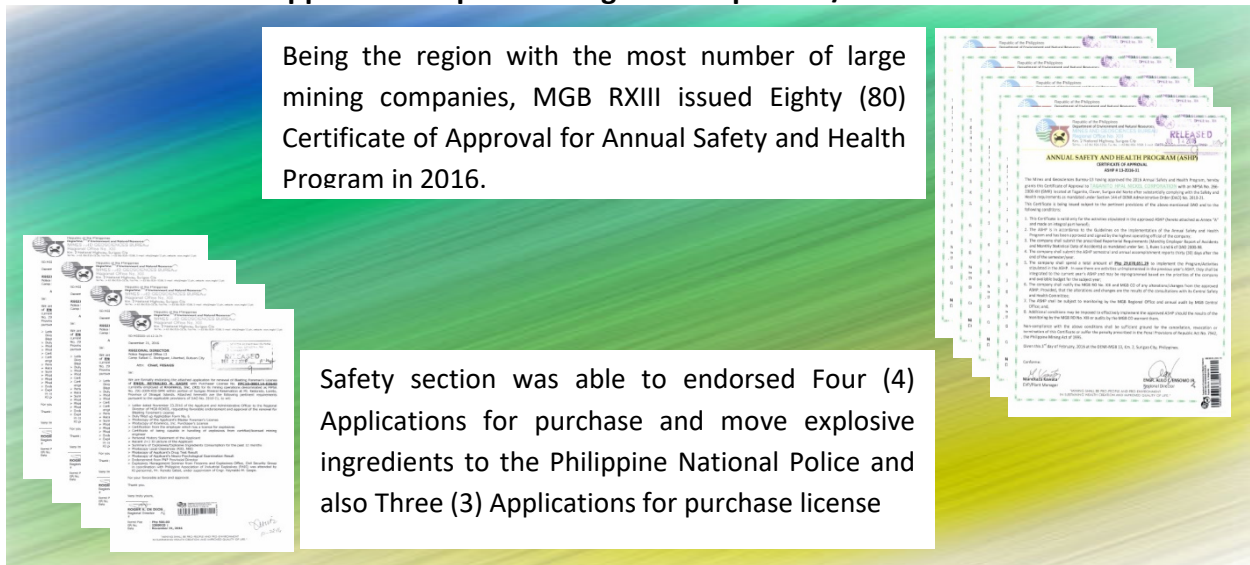
## ANNUAL SAFETY & HEALTH PROGRAM

The Mine Safety Environment and Social Development Division shall be responsible for the enforcement and monitoring of compliance with the environmental and safety provisions of Republic Act No. 7942 and its implementing Rules and Regulations. In discharging its task of developing the mining industry, the SAFETY and HEALTH Section has undertaken its regular services, namely: Evaluation of the Annual Safety and Health Program, Explosive Magazine Inspection/Verification, Electrical/Mechanical Installation Inspection, Processing of Safety Engineer/Inspector Permits and Investigation of fatal/non-fatal accident of mining companies and its contractors.

### ASHP Certificate of Approval & Explosive Magazine Inspection/Verification

Being the region with the most number of large mining companies, MGB RXIII issued Eighty (80) Certificate of Approval for Annual Safety and Health Program in 2016.

Safety section was able to endorsed Four (4) Applications for purchase and move explosive ingredients to the Philippine National Police and also Three (3) Applications for purchase license



## Registration of Safety Engineers/Inspectors

To promote safety and health of the region, Regional Director Roger A. De Dios of the Mines and Geosciences Bureau Region XIII urged mining firms to “go beyond compliance”. Pursuant to the New Regional Scheme for Application and Renewal of Safety (Engineer/Inspector) through the initiative of the safety section, applicants for safety accreditation are required to take the written examination and interview initiated by this office in order to enhance, improve and develop its knowledge about safety and health practices.

In 2016 MGB RXIII were able to registered Eighty (80) safety practitioners; Thirteen (13) Permanent Safety Engineers; Eight (8) Temporary Safety Engineers; Twenty Nine (29) Permanent Safety Inspectors and Thirty (30) Temporary Safety Inspectors.



MGB RXIII personnel conducted company-based safety men accreditation. Applicants are provided with adequate and appropriate safety information in safety matters, to enhance their knowledge and skills; covering lectures of safety rules, written examination and oral interview.

## Electrical Inspection/Mechanical Installation

To reduce the risk of fire and prevent any damage of the equipment, MGB personnel conducted Annual Inspection of Electrical and Mechanical Installation of the Twenty Eight (28) mining companies in five (5) provinces of Caraga.

## National Greening Program (NGP)

National Greening Program (NGP) served as the priority program of the government to reduce poverty, promote food security, environmental stability, biodiversity conservation, and enhance climate change mitigation and adaptation.

Executive Order 26 issued last February 24, 2011 promulgated the implementation of National Greening Program (NGP) with the Mines Sector and the subsequent issuance of Executive Order 193 in November 12, 2015 extended the implementation of NGP from 2016 to 2028 after the Philippines ranked 5<sup>th</sup> worldwide in the greatest forest area gain from 2010 to 2015 of the Food and Agriculture Organization Global Forest Resources Assessment for CY 2015.



CTP – LGU Partnership NGP Program

With the threat of climate change, forests and forestry remain as the carbon sink that could sustain the industrial development and economic growth of the country. There is still an estimated 7.1 million hectares of unproductive, denuded and degraded forestlands which calls for rehabilitation to mitigate environment-related risks of soil erosion, landslides and flooding.

Government has involved the participation and investment of the private sector to accelerate the rehabilitation and reforestation of these unproductive and denuded areas with the aimed at enabling the private companies to achieve carbon neutrality.

Mining companies are among the active partners of the government in the implementation of NGP as they too have the Mining Forest Program (MFP) that ensures the progressive rehabilitation of the mined-out areas and enhancement planting along buffer zones and undisturbed areas within and outside the Mineral Production Sharing Agreement (MPSA).

Memorandum Order 2012-11 issued on March 27, 2012 provided the implementing guidelines of the NGP for Mines Sector. Mining companies all over the country were mandated to establish 34,000 hectares of reforestation areas outside of and within Mining Contract/Permit Area, for the period of three (3) years from 2012-2014.

To attain the target within the period, the company can implement through (a) establishment of reforestation area by planting seedlings including its maintenance and protection and/or (b) donation of seedlings to other participants of the NGP.



Twenty-six (26) mining companies in Caraga Region signed a Memorandum of Agreement (MOA) in June 30, 2012 with targets computed based on the total area disturbed by each mining operation. With this, a total of 5,670.94 hectares served as commitment to be accomplished within 3 years and maintenance of 2 years thereafter.

Most of the mining companies have accomplished their targets on time while others are progressively heeding to achieve the goal. As of 3<sup>rd</sup> quarter, 2016 mining companies were able to cover an accumulated area of 6,249.15 hectares as shown in the table below:

**NATIONAL GREENING PROGRAM IMPLEMENTATION UPDATE**  
**as of Third Quarter 2016**

No.	Name of Operating Companies (Per Province)	Total Disturbed Area	Equivalent NGP Area (Based on the 1:2 has. Computation)	Seedlings planted (w/n & outside MPSA) for 3rdQtr, 2016	Area covered (3rdQtr, 2016)	No. of Seedlings Donated (3rd Qtr)	Donated Seedling (in has.)	To-Date Accompl as of Sept. 2016 (Hectares)
<b>SURIGAO DEL NORTE</b>		<b>2,063.73</b>	<b>4,087.11</b>	<b>194,477</b>	<b>599.60</b>	<b>25,340</b>	<b>0.80</b>	<b>3,621.71</b>
1	Taganito Mining Corporation	408.11	816.22	36,371	14.55			787.35
2	Taganito HPAL Nickel Corporation	387.5	775	11,200	20	1,000		374.91
3	Platinum Group Metals Corporation	220	432	46,635	13.66	1,340	0.8	504.37
4	Adnama Mining Resources Incorporated	208.47	416.94	48,233	24.78	23,000		424.40
5	Shenzou Mining Group Corporation	25.93	38.9					10
6	Pacific Cement Philippines Incorporated	26.23	39.35					18.02
7	Manila Mining Corporation	12.2	18.3					19.414
8	Greenstone Resources Corporation	104.5	209	3,500	66.8			221.88
9	Hinatuan Mining Corp.- Taganaan Nickel Project	295.7	591.4	27,105	12.28			595
10	Pacific Nickel Philippines Incorporated	375.09	750	21,433	447.53			666.37
<b>SURIGAO DEL SUR</b>		<b>497.87</b>	<b>949.26</b>	<b>2,556.00</b>	<b>0.53</b>	<b>-</b>	<b>-</b>	<b>1,123.75</b>
11	CTPCMC-Adlay Mining Project	222.3	444.6					495.83
12	CTPCMC-Dahican Nickel Project	27.41	44.12	969	0.38			54.1
13	Carrascal Nickel Corporation	177.29	354.58	1,587	0.15			452.07
14	Marcventures Mining & Development Corp.	62.64	93.96					120.65
15	PHI Gold Metallic Ore Incorporated	8.2323	12					1.1
<b>DINAGAT ISLAND</b>		<b>474.8392</b>	<b>854.99</b>	<b>9,500.00</b>	<b>10.9</b>	<b>0</b>	<b>0</b>	<b>401.392</b>
16	Oriental Vision Mining Philippines Corporation-Palhi	40.15	60.22					77.67
17	Krominco Incorporated	37.1692	55.75	6,500	8.2			32.2
18	Cagdianao Mining	123	246					165.36



	Corporation							
19	AAMPHIL -Parcel1	90	135					19
20	AAMPHIL -Parcel2							10
21	Oriental Synergy Mining Corporation -Dinagat	162.52	325.02					42.912
22	Sinosteel Philippines H.Y. Mining Corporation	22	33					29.48
23	Century Peak Corporation-Casiguran							17.36
24	Century Peak Corporation-Esperanza			3,000	2.7			7.41
AGUSAN DEL NORTE		191	382	17,743.00	22.82	0	0	370.64
25	SR Metals Incorporated	191	382	17,743	22.82			321.91
26	Agata Mining Ventures Incorporated							48.73
AGUSAN DEL SUR		89	133.5	0	0	0	0	634.02
27	Philsaga Mining Corporation	89	133.5					634.02
Sub-Total		3,316.44	6,406.86	224,276	633.85	25,340	0.80	6,151.52
EXPLORATION COMPANIES								
1	MRL Gold Phils., Inc.	4.65	4.65					26.0081
2	Silangan Mindanao Mining Company, Inc.	5	5	3,500	0.135			71.625
Sub-Total		9.65	9.65	3,500.00	0.135	0	0.00	97.63
GRAND TOTAL		3,326.09	6,416.51	227,776	633.99	25,340	0.80	6,249.15



During the CNC Intercropping Activity

Species planted varies according to commodities from endemic forest trees (Dipterocarps, Narra, Sagimsim, Mancono, Molave, Kamagong, Hindang, Doyok-doyok, Wakasan and more) to fruit trees (Durian, Rambotan, Pomela, Mango, Marang, Mangosteen, Lanzones, Avocado, Guava, Tambis, Jackfruit, among others), agroforestry crops (Falcata, Rubber, Cacao, Coffee, etc) and exotic trees such Agoho, Mangium, Mahogany and the like. Maintenance and protection of the established plantations are being employed up to 2 years.

To fast track the completion of target, mining companies tapped the local and nearby communities to provide area for the plantation. Some enter into seedling donations while others encouraged private land owners to engage into contracting. Seedlings were either raised from company's own nursery and communities' established nurseries. Procurement of seedlings was also done when the local nurseries will be run out of stocks

NGP is one of the activities of the company's Environmental Protection and Enhancement Program (EPEP) thus, financial requirement on seedling production and related costs were approved by the Mine Rehabilitation Fund Committee (MRFC) and duly monitored by the Multi-Partite Monitoring Team (MMT).

Even before NGP, mining companies were already mandated to implement the Mining Forest Program (MFP) wherein progressive rehabilitation of the mined-out and enhancement planting along denuded parcels within and outside the MPSA. For now areas planted for MFP is greater than NGP as plantation before 2011 were accounted under Mining Forest Program. For now, we are still on the process of reconciling the data as we are still undergoing the process of geo-tagging of all established plantations to facilitate the monitoring and validation.



Portion of PNPI NGP Project

## Measures to Improve Small-Scale Mining per EO 79

---

Under this program is Assistance to P/CMRB/LGU/other stakeholders. This is composed of various sub-activities, namely;

1. Provinces Inventoried for Small Scale Mining Sites;
2. Minahang Bayan Sites Identified;
3. Minahang Bayan Sites endorsed to DENR through MGBCO;
4. P/CMRBs operationalized;
5. Meetings Conducted/Participated; and
6. P/CMRB Regional Consultations Conducted.

To date a total of five (5) Small-Scale Mining Areas were inventoried in the following Provinces, to wit: Surigao del Norte, Surigao del Sur, Agusan del Norte, Agusan del Sur and the Province of Dinagat Islands. Brgy. Ella Pelar, Placer, Surigao del Norte was also identified as potential Minahang Bayan area, while Sitio Perada, Brgy. Del Pilar, Cabadbaran City, of the Province of Agusan del Norte was re-endorsed to MGB Central Office for approval into a Minahang Bayan Area.

All Provincial Mining Regulatory Board (PMRB) in the Provinces of Surigao del Norte, Surigao del Sur, Agusan del Norte & Agusan del Sur as well as the City Mining Regulatory Board (CMRB) of Butuan City, were operationalized. In compliance with our annual commitment in extending assistance to P/CMRB, the Office also conducted a Regional Consultation at Hotel Tavern, Surigao City in which participations were headed by the P/CMRBs and various small scale miners' organization in the region.

P/A/P	ANNUAL TARGET	ANNUAL ACCOM	% ACCOM
Provinces Inventoried for Small Scale Mining Sites	5	5	100%
Minahang Bayan Sites Identified	1	1	100%
Minahang Bayan Sites endorsed to DENR through MGBCO	1	1	100%
P/CMRBs operationalized	6	6	100%
P/CMRB Regional Consultations	1	1	100%

**Monitor/audit of approved mining contracts/permits including areas within mineral reservations as to compliance to the implementation of approved Work Program and Safety, Health, Environment and Socials Programs**

---

Monitoring activities are conducted regularly to all approved mining rights in the region. Being the regulatory body of the mining industry, we are committed to ensure that mining contractors/permit holders have complied with the terms and conditions of the approved mining permits and contracts.

The said activity includes site inspection, check the company's submission of accomplishment reports, evaluate and validate the company's accomplishment vis-à-vis the implementation of the approved work programs and check payments of taxes and other fiscal obligations to the concerned LGUs. Through this undertaking the Office could ascertain that the permit holder/contractor has implemented the approved work program and complied with the terms and conditions of the approved permit. Likewise, it is our mandate to ensure that all mining activities undertaken by the permit holder/contractor shall adapt the best mining practices to reduce possible impacts of mining to the environment.

For CY 2016 we have accomplished 100% of our annual target.

**Summary of Approved Permits Monitored**

---

<b>NO.</b>	<b>COMPANY MONITORED</b>	<b>PERMIT TYPE</b>	<b>MONTH CONDUCTED</b>
1	Philsaga Mining Corp.	MPSA No. 262-2008-XIII	February
2	Philsaga Mining Corp.	MPSA No. 299-2009-XIII	February
3	Das-Agan Mining Corp.	MPSA No. 343-2010-XIII	February
4	Philex Gold Phils. Inc.	MPSA No. 344-2010-XIII	February
5	Philsaga Mining Corp.	EP No. 0017-XIII	February
6	Philsaga Mining Corp.	EP No. 0032-XIII	February
7	Philsaga Mining Corp.	EP No. 0031-XIII	February
8	MMPRC	MMP NO. 001-2007-XIII	February
9	North Dinagat Min. Res. Corp.	MPSA No. 322-2010-XIII(SMR)	March
10	Taganito Mining Corp.	MPSA No. 266-2008-XIII (SMR)	April

11	Kepha Mining & Expln Company	MPSA No. 289-2009-XIII (SMR)	April
12	Silangan Mindanao Mining Co., Inc.	MPSA No. 149-99-XIII	April
13	Lascogon Mining Corp.	MPSA No. 148-99-XIII	April
14	Asia Alstron Mining & Devt. Corp.	MPSA No. 310-2010-XIII	April
15	Phil Alstron Mining & Devt. Corp.	MPSA No. 311-2010-XIII	April
16	Silanagan Mindanao Mining Co., Inc.	EP No. 000013-XIII	April
17	Kalayaan Copper-Gold Res. Corp.	EP No. 000014-XIII	April
18	Vista Buena Mining Corp. (Wellex-1)	MPSA No. 031-94-X (SMR)	May
19	East Coast Min. Res. Co. Inc. (LMC)	MPSA No. 233-2007-XIII (SMR)	May
20	Felix Chua	EP No. 000028-XIII	May
21	Greenstone Res. Corp.	MPSA: 184-2002-XIII	June
22	Greenstone Res. Corp.	MPSA: 280-2009-XIII	June
23	SEMCO Expln & Mining Corp.	EP: 000024-XIII	June
24	SEMCO Expln & Mining Corp.	EP: 000025-XIII	June
25	SR Metals Inc.	MPSA No. 261-2008-XIII	June
26	Platinum Group Mining Corp.	MPSA No. 007-92-X (SMR)	July
27	Hinatuan Mining Corp.-TNP	MPSA No. 246-2007-XIII	July
28	SEMCO Expl'n & Mining Corp.	EP No. 00026-XIII	July
29	SEMCO Expl'n & Mining Corp.	EP No. 00030-XIII	July
30	Manila Mining Corp.	MPSA No. 253-2007-XIII	September
31	Estrella F. Bautista	MPSA No. 033-95-XIII	September
32	Manila Mining Corp.	EP No. 000014-A-XIII	September
33	Coolabah Mining Corp.	EP No. 000002-XIII	September
34	Occidental Mining Corp.	EP No. 000004-XIII	September
35	Estrella F. Bautista	EP No. 000021-XIII	September
36	Minimax Mineral Expl'n Corp.	EP No. 000016-XIII	September
37	Minimax Mineral Expl'n Corp.	EP No. 000018-XIII	September
38	MRL Gold Phils.	EP No. 000022-XIII	September
39	Bunawan Mining Corp.	EP No. 033-XIII	October
40	Apical Mining Corp.	EP No. 027-XIII	October
41	Minahang Bayan ng San Jose Coop.	MPSA No. 025-94-X(SMR)	October
42	Minanahang Bayan ng Albor Coop.	MPSA No. 028-94-X (SMR)	October
43	Norweah Metals	MPSA No. 240-2007-XIII (SMR)	October
44	Norweah Metals	MPSA No. 241-2007-XIII (SMR)	October
45	Ludguron Mining Corp.	MPSA No. 247-2007-XIII (SMR)	October
46	East Coast Min. Res. Corp.	MPSA No. 232-2007-XIII (SMR)	October
47	Silangan Mindanao Mining Corp., Inc.	MPSA No. 022-94-X	November
48	AAMPIL Natural Res. Corp.	MPSA No. 328-2010	November
49	Consolidated Ores Phils, Inc	MPSA No. 109-98-XIII	November
50	Pacific Cement Phils, Inc,	MPSA No. 084-97-XIII	November

## Full Enforcement of Env't'l Standards in Mining Operations pursuant to EO no. 79

### Safety, Health, Environment and Socials Programs

The Integrated SHES (Safety and Health, Environment and Social Development) Monitoring conducted by the Mines and Geo-sciences Bureau (MGB) aimed to review and evaluate the company's SHES performance while increasing awareness of the employees on SHES management that can be useful in their interaction with other stakeholders.

It is also the intention of the Mines and Geo-sciences Bureau, through the designated monitoring team, to identify commendable SHES management initiatives of the company as well as come-up with a set of recommendations to enhance management areas with perceived need for enhancement.

The monitoring covers all the mandated reportorial and physical requirements that are primarily under the Safety and Health, Environment and Social Development, in pursuant under Chapter XV, Chapter XVI and Chapter XXIX of DENR Administrative Order 2010-21 which is known as the Implementing Rules and Regulation of Republic Act No. 7942, otherwise known as the "Philippine Mining Act of 1995". The following are the reportorial and physical requirements that the monitoring to validate:

SAFETY AND HEALTH	
Annual Safety and Health Program	Report of Accidents
Establishment of Safety Office	Monthly Report of Accident or Illness
Registration of Safety Engineer	Monthly General Accident Report
Establishment of Clinic/Hospital	Minutes of the Central Safety and Health Committee Meeting
Designation of Medical Practitioner	Monthly Explosive Consumption Report
Permit for Electrical/ Mechanical Installation	Quarterly Energy Consumption Report
Safety and Health Program Accomplishment Report	Semestral Medical Report

ENVIRONMENT	
Approved Environmental Protection and Enhancement Program (EPEP)	Submitted AEPEP Quarterly Accomplishment Report
Approved Final Mine Rehabilitation and/or Decommissioning Plan (FMRDP)	Submission of Mining Forest Semi-annual accomplishment Report
Mine Rehabilitation Fund	Submission of Mine Waste Generated Semi-annual Report
Organization of MEPE Office	NGP quarterly accomplishment
Submitted Annual EPEP	In-house Environmental Monitoring (Air, Water and Noise)
Submitted Approved Annual EPEP	IEC



<b>SOCIAL DEVELOPMENT</b>	
SDMP Fund Allocation	Payback / Re-payment Mechanism
Five-year SDMP Plan	Community Relations Office
Annual SDMP Plan	Community Technical Working Group (CTWG)
Annual SDMP budget allocation	Quarterly regular meeting or as the need arises
SDMP Accomplishment (Annual, Semi-annual, Quarterly)	Monthly monitoring reports
Memorandum of Agreement (MOA)	Quarterly monitoring reports
Certificate of Project Acceptance/ Project Turnover	Validation of Quarterly Physical and Financial Accomplishments

### ISHES 2016: HIGHLIGHTS, TARGETS AND ACCOMPLISHMENTS

It is the regular activity of the Mines and Geosciences Bureau (MGB) Regional Office No. XIII to conduct the said monitoring activity semi-annually which covers primarily all Mineral Production Sharing Agreements (MPSA), Exploration Permits (EP) and Mineral Processing Permits (MPP) within the region.

For the year 2016, MGB RO XIII had a total of forty-four (44) ISHES monitoring broken down as follows: twenty-five (25) MPSA, eighteen (18) EP and one (1) MPP. The highlight of this year's ISHES monitoring by the MSESDD was teaming up with the Mine Management Division (MMD) with their Mining Rights Monitoring since both of the two (2) divisions will monitor the same permits for this year. The following were the companies monitored and validated:



ISHES Monitoring Conducted at WMC

### Summary of ISHES Monitored

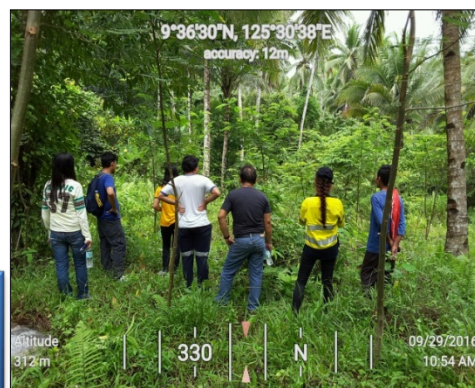
<b>NO.</b>	<b>COMPANY MONITORED</b>	<b>PERMIT TYPE</b>	<b>MONTH CONDUCTED</b>
1	Philsaga Mining Corp.	MPSA No. 262-2008-XIII	February
2	Philsaga Mining Corp.	MPSA No. 299-2009-XIII	February
3	Das-Agan Mining Corp.	MPSA No. 343-2010-XIII	February
4	Philex Gold Phils. Inc.	MPSA No. 344-2010-XIII	February
5	Philsaga Mining Corp.	EP No. 0017-XIII	February
6	Philsaga Mining Corp.	EP No. 0032-XIII	February

7	Philsaga Mining Corp.	EP No. 0031-XIII	February
8	MMPRC	MMP NO. 001-2007-XIII	February
9	North Dinagat Min. Res. Corp.	MPSA No. 322-2010-XIII(SMR)	March
10	Taganito Mining Corp.	MPSA No. 266-2008-XIII (SMR)	April
11	Kepha Mining & Expln Company	MPSA No. 289-2009-XIII (SMR)	April
12	Silangan Mindanao Mining Co., Inc.	MPSA No. 149-99-XIII	April
13	Lascogon Mining Corp.	MPSA No. 148-99-XIII	April
14	Asia Alstron Mining & Devt. Corp.	MPSA No. 310-2010-XIII	April
15	Phil Alstron Mining & Devt. Corp.	MPSA No. 311-2010-XIII	April
16	Silanagan Mindanao Mining Co., Inc.	EP No. 000013-XIII	April
17	Kalayaan Copper-Gold Res. Corp.	EP No. 000014-XIII	April
18	Vista Buena Mining Corp. (Wellex-1)	MPSA No. 031-94-X (SMR)	May
19	East Coast Min. Res. Co. Inc. (LMC)	MPSA No. 233-2007-XIII (SMR)	May
20	Felix Chua	EP No. 000028-XIII	May
21	Greenstone Res. Corp.	MPSA: 184-2002-XIII	June
22	Greenstone Res. Corp.	MPSA: 280-2009-XIII	June
23	SEMCO Expln & Mining Corp.	EP: 000024-XIII	June
24	SEMCO Expln & Mining Corp.	EP: 000025-XIII	June
25	SR Metals Inc.	MPSA No. 261-2008-XIII	June
26	Platinum Group Mining Corp.	MPSA No. 007-92-X (SMR)	July
27	Hinatuan Mining Corp.-TNP	MPSA No. 246-2007-XIII	July
28	SEMCO Expl'n & Mining Corp.	EP No. 00026-XIII	July
29	SEMCO Expl'n & Mining Corp.	EP No. 00030-XIII	July
30	Manila Mining Corp.	MPSA No. 253-2007-XIII	September
31	Estrella F. Bautista	MPSA No. 033-95-XIII	September
32	Manila Mining Corp.	EP No. 000014-A-XIII	September
33	Coolabah Mining Corp.	EP No. 000002-XIII	September
34	Occidental Mining Corp.	EP No. 000004-XIII	September
35	Estrella F. Bautista	EP No. 000021-XIII	September
36	Minimax Mineral Expl'n Corp.	EP No. 000016-XIII	September
37	Minimax Mineral Expl'n Corp.	EP No. 000018-XIII	September
38	MRL Gold Phils.	EP No. 000022-XIII	September
39	Bunawan Mining Corp.	EP No. 033-XIII	October
40	Minahang Bayan ng San Jose Coop.	MPSA No. 025-94-X(SMR)	October
41	Minanahang Bayan ng Albor Coop.	MPSA No. 028-94-X (SMR)	October
42	Norweah Metals	MPSA No. 240-2007-XIII (SMR)	October
43	Norweah Metals	MPSA No. 241-2007-XIII (SMR)	October
44	East Coast Min. Res. Corp.	MPSA No. 232-2007-XIII (SMR)	October



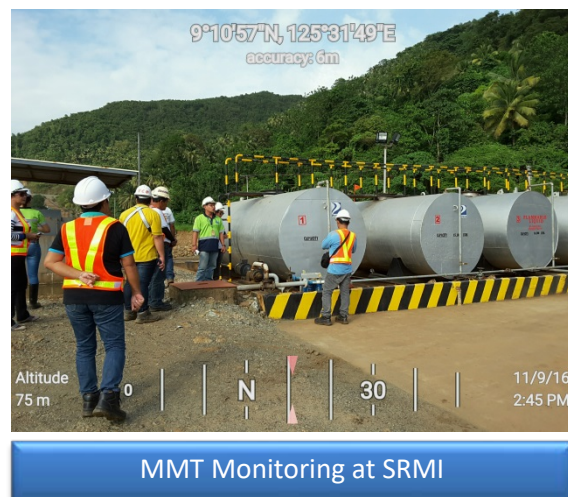
ISHES Monitoring at  
LMC

ISHES Monitoring at  
OSMC



### Strengthen Multi-Partite Monitoring System

Pursuant to Sections 182 to 185, Chapter 18, of DENR Administrative Order (DAO) No. 2010-21 under the Contingent Liability and Rehabilitation Fund (CLRF), the creation of the Mine Rehabilitation Fund Committee (MRFC) and the Multipartite Monitoring Team (MMT) is herein mandated. Cognizant of the need to ensure just and timely checking of the performance and compliance of the mining companies, an MMT, under Section 174 of DAO 2010-21, shall monitor every quarter, or more frequently as may be deemed necessary the activities stipulated in the mandatory programs subject for presentation and approval to the MRFC.



Upon appraising the integrity of the EIS System along with the compliance to the requirements of DENR Administrative Order No. 2015-02 pertaining to the “Harmonization of the Implementation of the Philippine Environmental Impact Statement System and the Philippine Mining Act of 1995 in Relation to Mining Projects”, Mines and Geosciences Bureau is bound to monitor the mandates under DAO 96-40- IRR of RA 7942, DAO 2000-99 – Social Development, DAO 2000-98 – Mine Safety, DAO 99-32 – Tailings Pond Standard, Environmental Protection and Enhancement Program (EPEP), EMP and DAO 2005-07 - Final Mine Rehabilitation and Decommissioning Plan. On the other hand, Environmental Management Bureau (EMB) focuses on the compliance of the company towards the ECC Conditionality in lieu to the Philippine Environmental Impact Statement System (PD 1586) covering all mandates under DAO 96-37-EIS IRR, DAO 34 & 35 – Water Standards, PD 984- Pollution Control, RA 6969 – Toxic Wastes/Chemicals, RA 9275 – Clean Water, RA 8749 – Clean Air.

#### **MMT: SCOPE OF WORK**

- The Multi-partite Monitoring Team (MMT) monitors the company’s compliance to the ECC and the approved EPEP on a quarterly basis.
- Deputized monitoring body of the Mine Rehabilitation fund Committee (MRFC)
- Submits quarterly monitoring report to MRFC

### **The Annual EPEP**

- The Environmental Protection and Enhancement Program (EPEP) provides the operational link between the ECC and the environmental protection and enhancement commitments of the company.
- Focuses on the progressive land restoration and subsequent reforestation.
- Sets out the life-of-mine environmental protection and enhancement strategies based on best mining practices.
- Expenses for the AEPEP should be included in the Project's annual budget and is subject to annual audit by the MRFC;



MMT Monitoring at GRC

- Operating a mining project without an approved EPEP/AEPEP is subject to penalties;
- Must be submitted to the Mines office at least 30 days prior to the beginning of every calendar year.
- Failure to comply with the EPEP requirement would be sufficient ground for the suspension of mining contract/permit.

### **The ECC**

- Document certifying that all identified impacts and concerns are addressed, discussed and agreed upon.
- Scientific and acceptable mitigating measures focusing on environment in executing the project are translated into conditionality.
- Unjustifiable compliance with the conditionality compels the issuing agency to impose penalties and/or sanctions.

### **MMT 2016: HIGHLIGHTS, TARGETS AND ACCOMPLISHMENTS**

Mines and Geosciences Bureau (MGB) Regional Office No. XIII conducted a total of 56 regular MMT Monitoring for the year 2016 in which 28 companies were validated for the 1<sup>st</sup> Quarter and another 28 for 2<sup>nd</sup> and 3<sup>rd</sup> Quarters of the same year. The following were the companies monitored and validated:



## Summary of MMT

COMPANY	PERMIT NO.
<b>SURIGAO DEL NORTE</b>	
Adnama Mining Resources Incorporated (AMRI)	MPSA No. 259-2007-XIII-SMR
Greenstone Resources Corporation (GRC)	MPSA No. 184-2002-XIII
Hinatuan Mining Corporation – Talavera Nickel Project (HMC-TNP)	MPSA No. 246-2007-XIII-SMR
Manila Mining Corporation (MMC)	MPSA No. 253-2007-XIII
Pacific Nickel Philippines Incorporated (PNPI)	MPSA No. 072-97-XIII
Platinum Group Metals Corporation (PGMC)	MPSA No. 007-92-X
Taganito HPAL Nickel Corporation (THPAL)	MPP No. 14-2013-XIII
Taganito Mining Corporation (TMC)	MPSA No. 266-2008-XIII-SMR
<b>SURIGAO DEL SUR</b>	
Carrascal Nickel Corporation (CNC)	MPSA No. 243-2007-XIII-SMR
CTP Construction and Mining Corporation – Adlay Mining Project (CTPCMC-AMP)	MPSA No. 018-93-XI
CTP Construction and Mining Corporation – Dahican Nickel Project (CTPCMC-DNP)	MPSA No. 158-2000-XIII-SMR
Marcventures Mining & Development Corporation (MMDC)	MPSA No. 016-93-XIII
<b>PROVINCE OF DINAGAT ISLANDS</b>	
AAMPHIL Natural Resources Exploration and Development Corporation – Loreto (AAMPHIL-1)	JOA
AAMPHIL Natural Resources Exploration and Development Corporation – Basilisa (AAMPHIL-2B)	JOA
Cagdianao Mining Corporation (CMC)	MPSA No. 078-97-XIII-SMR
Century Peak Corporation – Casiguran Nickel Mining Project (CPC-CNMP)	MPSA No. 010-92-X
Century Peak Corporation – Rapid City Nickel Mining Project (CPC-RNMP)	MPSA No. 283-2009-XIII-SMR
Krominco Inc. (KI)	MPSA No. 291-2009-XIII-SMR
Libjo Mining Corporation (LMC)	MPSA No. 233-2007-XIII-SMR
Oriental Synergy Mining Corporation (OSMC)	MPSA No. 001-92-X
Oriental Vision Mining Philippines Corporation – Palhi Project (OVMPC-Palhi)	MPSA No. 242-2007-XIII-SMR
Sinosteel Philippines HY Mining Corporation (SPHYMC)	MPSA No. 002-90-X-SMR
Wellex Mining Corporation – Area 1 (WMC-1)	MPSA No. 031-94-X
Wellex Mining Corporation – Area 2 (WMC-2)	MPSA No. 031-94-X
<b>AGUSAN DEL NORTE</b>	
Agata Mining Ventures Incorporated (AMVI)	MPSA No. 134-99-XIII
SR Metals Incorporated (SRMI)	MPSA No. 261-2008-XIII
<b>AGUSAN DEL SUR</b>	
Mindanao Mineral Processing and Refining Corporation (MMPRC)	MPP No. 001-2007-XIII
Philsaga Mining Corporation (PMC)	MPSA No. 262-2008-XIII



Special MMT Monitoring was conducted as may be deemed necessary depending on the veracity and gravity of the need aroused. For the year 2016, this Office highlighted two (2) Special MMT Monitoring conducted at Agata Mining Ventures Incorporated (AMVI) for the Alleged Washed-Out Settling Pond Structure at Lawigan Area disturbing the nearby Sua Creek and another one at Shenzhou Mining Group Corporation (SMGC) for the reported coastal heavy siltation.

### **MMT 2017: CRAFTING THE ROADMAP**

In lieu with the Finalization, Deliberation and Approval of the MMT's Manual of Operation (MOO), the Mines and Geosciences Bureau (MGB) Regional Office No. XIII, Surigao City will be hosting a 2-day Capacity Building Activity to all members of the Multipartite Monitoring Team and Mine Rehabilitation Fund Committee within Caraga Region. The primary purpose of the activity is to hone the intellectual and individual capacity of the members as environmental law-enforcers along with the concerned stakeholder to uplift and enhance the Monitoring Strategy and Scheme. An Orientation of the Approved Manual of Operation (MOO) is to be integrated on the said activity to all the members of the team.

The technical vitality to be acquired from the activity is an essential tool for the fact-based legally-bounded disclosures that each member may contribute to serve the purpose of attaining sustainability and enhancing the region-wide practices of Responsible Mining.



## Enforcement

### Resolution of Complaints/Cases /Conflicts



Picture shows equipment's being padlocked by the team during the



This Office is intensifying its campaign to curb the illegal small-scale mining activities within the region. The proliferation of these illegal activities has drawn numerous appeals from the local community to immediately stop

these illegal operations which had caused environmental degradation within the concerned locality. This Office had already issued Cease and Desist Orders on three identified illegal operators, specifically in the Municipality of Barobo, Surigao del Sur and Cabadbaran City and already filed case against them at the City Prosecutors Office in Cabadbaran City.

### Resolution of Complaints/Cases /Conflicts

PERFORMANCE INDICATOR	ANNUAL TARGET	ANNUAL ACCOM	% ACCOM
MGB	5	13	260%
Panel of Arbitrators	0	0	
Quarterly Accomplishment/Inventory Report of the Panel of Arbitrators	2	2	100%
Complaints/Charges filed with the Provincial/City Prosecutors office	3	3	100%
Illegal mining sites with Ceased and Deceased Order (CDO) issued/implemented	3	3	100%



**MRS**

As of November 2016, Caraga has a total of Twenty Three (23) producing mining companies with the Provincial Distribution:

Province	No. of Producing Companies	Mining Companies
Agusan del Sur	2	Philsaga Mining Corp.
		Mindanao Mineral Processing & Refining Corp.
Agusan del Norte	2	SR Metals, Inc.
		Agata Mining Ventures, Inc.
Surigao del Norte	7	Hinatuan Mining Corp.
		Adnama Mining Resources, Inc.
		Platinum Group Metals Corp.
		Taganito Mining Corp.
		TAGANITO HPAL NICKEL CORP. - Hydrometallurgical Processing Plant for Nickeliferous ore
		Greenstone Resources Corp.
		Claver Minerals Dev't. Corp. <i>(under suspension) within the boundary conflict of Surigao del Norte &amp; Sur</i>
Surigao del Sur	3	Marcventures Mining & Dev't. Corp.
		Carrascal Nickel Corp.
		CTP Construction & Dev't. Corp.
		Claver Minerals Dev't. Corp. <i>(under suspension) within the boundary conflict of Surigao del Norte &amp; Sur</i>
Dinagat Islands	9	Cagdianao Mining Corp.
		Libjo Mining Corp.
		Alnor NAC's
		Oriental Vision Mining Philippines Corp.
		Oriental Synergy Mining Corp.
		Aam-Phil Natural Resources Exploration & Dev't. Corp. - Parcel 1
		Century Peak Corp. - Casiguran
		Century Peak Corp. – Rapid City
		Krominco, Inc.

A total of 4,323.34kg of gold and 2,512.73kg of silver was sold in Hong Kong and Switzerland by Philsaga/MMPRC and Greenstone Resources Corp. It has a Gross Value of Php 8,245,716,878.76.

Nickel ores as of November 2016, has a total sales volume of 23,122,174.23DMT with a gross value of Php 24,474,737,532.78. These were shipped to Japan for Saprolite Ores and China for the Limonite or Low grade nickel ores.

The lone producer of Metallurgical Chromite in the region which is Krominco, Inc. had shipped out 2,620.67MT to Hong Kong with a total gross value of Php 23,855,376.49.

Based on the submitted MGB Form 29, the total employment of mining permittees/companies is 28,653. 97% was employed in metallic mining operations where 69% was employed in nickel producing companies.

**MINERAL PRODUCTION & SALES BY COMMODITY  
AS OF NOVEMBER 2016**

Mineral Commodity / Mineral Products	Unit Used	PRODUCTION		SALES	
		Quantity	Value in Pesos	Quantity	Value in Pesos
Nickel Ore	DMT	21,235,995.16	19,083,438,331.84	23,122,174.23	24,474,737,532.78
Mixed Sulfides (Ni & Co)	DMT	42,310.20	5,710,954,661.68	34,761.88	7,955,349,447.50
Gold	Kg	4,207.30	8,128,012,044.95	4,323.34	8,178,798,301.22
Silver	Kg	2,538.14	67,851,980.76	2,512.73	66,918,577.54
Metallurgical Chromite	DMT	-	-	2,620.67	23,855,376.49
<b>Total Metallics</b>			<b>32,990,257,019.23</b>		<b>40,699,659,235.53</b>
Limestone	cu.m.	8,294.00	504,726.00	8,294.00	698,000.00
Pebbles	cu.m.	-	-	-	-
Blasted Rock	cu.m.	4,550.00	164,575.00	4,550.00	910,000.00
Eathfill	cu.m.	14,640.00	175,080.00	14,640.00	233,440.00
Sand and Gravel	cu.m.	840,340.51	14,536,855.50	540,484.51	14,464,254.00
<b>Total Non-Metallics</b>			<b>15,381,236.50</b>		<b>16,305,694.00</b>
<b>Caraga Region No. XIII</b>			<b>33,005,638,255.73</b>		<b>40,715,964,929.53</b>

**COMPARATIVE STATEMENT OF ROYALTY INCOME COLLECTED**  
**CY 2015 – 2016**

PERIOD	2015	2016
January	3,749,508.82	1,428,681.80
February	45,982,384.01	13,874,022.84
March	131,151,627.74	80,205,031.65
<b>FIRST QUARTER TOTAL</b>	<b>180,883,520.57</b>	<b>95,507,736.29</b>
April	115,430,551.96	87,311,161.54
May	128,535,680.52	108,319,223.46
June	235,956,398.96	152,122,157.41
<b>SECOND QUARTER TOTAL</b>	<b>479,922,631.44</b>	<b>347,752,542.41</b>
July	155,088,130.43	103,857,458.95
August	125,434,763.87	155,586,974.61
September	148,381,779.57	246,203,898.26
<b>THIRD QUARTER TOTAL</b>	<b>428,904,673.87</b>	<b>505,648,331.82</b>
October	77,029,337.34	66,633,556.54
November	6,251,493.67	3,382,724.60
December	15,756,650.23	21,295,004.93
<b>FOURTH QUARTER TOTAL</b>	<b>99,037,481.24</b>	<b>91,311,286.07</b>
<b>GRAND TOTAL</b>	<b>1,188,748,307.12</b>	<b>1,040,219,896.59</b>

## NUMBER OF EMPLOYMENT

MINERAL COMMODITY/MINING COMPANY/OPERATOR	MINE/MILL LOCATION	EMPLOYMENT		
		MALE	FEMALE	TOTAL
GOLD and SILVER (Kg)				
Philsaga Mining Corporation	Mine: Bunawan, Agusan del Sur and Mill: Rosario, Agusan del Sur	5,286	290	5,576
Greenstone Resources Corporation	Mainit & Tubod, Surigao del Norte	1,062	90	1,152
CHROMITE (MT)				
Krominco, Inc.	Loreto, Dinagat Islands	32	12	44
NICKEL (DMT)				
SR Metals, Inc.	Binoangan, Tunbay, Agusan del Norte	1,498	229	1,727
Agata Mining Ventures, Inc.	Tubay, Agusan del Norte	3,151	158	3,309
Libjo MiningCorporation	Libjo and Tubajon,Dinagat Islands	1,129	89	1,218
Sinosteel H.Y. Philippines Corporation	Loreto, Dinagat Islands	8	4	12
Oriental Synergy Mining Corporation	Loreto, Dinagat Islands	130	18	148
Century Peak Corp.-Esperanza	Esperanza, Loreto, Dinagat Islands	212	32	244
Century Peak Corp.-Casiguran	Panamaon, Loreto, Dinagat Islands	150	31	181
Aam-Phil Natural Resources Exploration and Dev't. Corp.-Parcel 1	Panamaon, Loreto, Dinagat Islands	108	12	120
Aam-Phil Natural Resources Exploration and Dev't. Corp.-Parcel 2B	Basilisa and Libjo, Dinagat Islands	29	11	40
Wellex Mining Corp.-Area 1	Plaridel, Dinagat Islands	33	7	40
Wellex Mining Corp.-Area 2	Loreto and Tubajon, Dinagat Islands	22	4	26
Oriental Vision Mining Phil. Corp.	Tubajon, Dinagat Islands	260	32	292
Cagdianao Mining Corporation	Cagdianao, Dinagat Islands	1,193	178	1,371
Carrascal Nickel Corp.	Carrascal, Surigao del Sur	1,701	106	1,807
Marcventures Mining and Dev't. Corp.	Cantilan & Carrascal, Surigao del Sur	1,255	95	1,350
CTP Construction & Mining Corp. - Adlay Nickel Project	Adlay, Carrascal, Surigao del Sur	1,211	38	1,249
CTP Construction & Mining Corp. - Dahican Nickel Project	Dahican, Carrascal, Surigao del Sur	741	55	796
Adnama Mining Resources, Inc.	Urbiztondo, Claver, Surigao del Norte	389	48	437
Hinatuan Mining Corporation	Hinatuan Island, Talavera, Taganaan, Surigao del Norte	1,640	187	1,827
Taganito Mining Corporation	Taganito, Claver,Surigao del Norte	1,148	87	1,235



<i>Platinum Group Metals Corp.</i>	<i>Sitio Kinalablaban, Cagdianao, Claver, Surigao del Norte</i>	2,936	378	3,314
<b>NICKEL AND COBALT MIXED SULFIDES (DMT)</b>				
<i>Taganito HPAL Nickel Corporation - Hydrometallurgical Processing Plant for Nickeliferous ore</i>	<i>TSEZ, Taganito, Claver, Surigao del Norte</i>	<b>2,936</b>	<b>378</b>	<b>3,314</b>
<b>GRAND TOTAL</b>		<b>28,260</b>	<b>2,569</b>	<b>30,829</b>



**GAD**

## GENDER AND DEVELOPMENT

### Annual Accomplishment Report

January –December, 2016

The Mines and Geosciences Bureau, Regional Office No. 13, Surigao City has been the vanguard in regulating the mineral resources development in Caraga Region. CY 2016 ushered new challenges and opportunities in MGB-13 implementation on its set targets but then again, it was still bothered by disinformation, misinformation and anti-mining sentiments.

Definitely the realization of MGB-13 programs/projects/activities this year may be credited to the steadfast support of the management, commitment combined with enthusiasm and hard work of the output-driven women and men of MGB-13 in the providing quality public service.

The benefits of the mineral industry in terms of increase in revenue collection, generation of more jobs, and build-up of trade and industry have paved the way to progress in Caraga and improvement in the quality of life of its people.



The strict compliance of mining permits, Memorandum of Agreements, etc. as embodied in the “Philippine Mining Act of 1995” and its IRR have been monitored and enforced to heighten environmental policy statements and social performance.

The institutionalization of Gender and Development in MGB-13 has been strengthened per MGB-13 Special Order No. 29, 2016 dated May 4, 2016. As stipulated in the CY 2016 GAD Plan, it has a budget of **Php 300,000.00**.

In MGB-13 regional office, FLEXI GLIDING TIME is being practiced. Employees who had attended seminars, conferences, workshops, meetings were based on one's qualifications, work responsibilities and capability building needs of one's job.



In pursuing for gender equality and women empowerment, MGB-13 Gender and Development Focal Point System (GADFPS) recognized the dynamic role of women in various aspects of development. Networking with local government units, national line agencies, academe, mining companies, mining communities, church, civil society and media have been crucial in sustaining its GAD initiatives.

Office policies, memoranda, special orders, EOs have been reviewed to ensure equal opportunities in terms of hiring, promotion, and career advancement of MBG-13 employees.

The GAD Chairperson has made representation as a member of the Selection and Promotion Board, Personnel Evaluation Review Committee, Committee on Decorum and Investigation and Grievance Committee. Moreover, in decision-making bodies on environmental protection and social development.



MGB-13 GADFPS is a member of the Regional Development Council-Gender and Development Coordinating Committee (RDC-GADCC), Caraga; LGU-Surigao City GAD Team and LGU-Surigao del Norte Provincial GAD Coordinating Council.

A GAD Bulletin Board has been installed and maintained to post announcements, special orders, memoranda and other GAD-related articles.

***Per HRMS Report as of November, 2016 :***

MGB-13 has a **Manpower Strength** of 48 permanent personnel (44% women and 56% men) and 39 contract of service personnel (38% women and 62% men). MGB-13 is a male dominated office.

According to **Salary Grade Level** for permanent, regular employees:

Salary Grade	0-10	Female = 7	Male= 10
Salary Grade	11-24	Female= 14	Male = 15
Salary Grade	26	Female = 0	Male = 2

Pursuant to Executive Order 366, MGB-13 has 54 approved positions in the Rationalization Plan.

List of MGB-13 employees promoted:

**CY 2016**

SG	Name	Female	Male
14	NievaDeang	1	
16	EsperidionAmper, Jr.		1

**CY 2015**

SG	Name	Female	Male
22	VerlinMarie Baldapan	2	
15	Rhodora Tan		
24	Jose Salve Cabiling		5
22	Francis Glenn Suante		
22	ElecitoEscuyos		
18	Raymond Polinar		
14	Carl OrvenEludo		

List of MGB-XIII employees newly hired:

**CY 2016**

SG	Name	Female	Male
22	Elaine Galido	2	
8	ArchielynNimez		
22	Melvin Mantilla		1

**CY 2015**

SG	Name	Female	Male
16	LilibethGimot	6	
15	Liza Pacete		
15	Kate Boquilon		
15	Marie Pennelope Fang		
8	MelynDelamede		
7	IveeDreaCanoy		
16	JunreyParonda		1

MGB-13 GAD Focal Point System has actively participated in observance of the Women's Month in March, Earth Month in April, Ocean Month in May, Environment Month in June, National Disaster Consciousness Month in July, 18 Day Campaign to End Violence Against Women and Children( November 25-December 12), to mention a few.



Several activities has been conducted/attended to highlight a celebration like hanging of tarpaulin, distribution of GAD-related information materials, motorcade, funwalk, GAD meetings, opening/culmination programs, seminars, fora, workshops, among others.

Segregation of waste is enjoined in the office. Waste bins are provided in visible, designated areas in the office premises.

"NO SMOKING "policyis strictly implemented per MGB-13 Memorandum dated January 30, 2015.

Advocacies on women's laws were presented/discussed to MGB-13 employees aimed on increasing awareness on women's rights and to live in VAW-free communities

The GADFPS has vigorously participated in the formal IEC Campaign on 1:10,000-scale training workshop on map reading and interpretation to 28 LGU's of Caraga Region and "Results of the Landslide and Flood Susceptibility Rating" at the purok level were presented.An open forum was conducted after each presentation to get



feedbacks from barangay officials thus, updating its database. Furthermore, distribution of 10K geohazard quadrangle maps for the remaining 45 LGU's of the region was undertaken.

Part of the IEC Campaign, in line with the GAD Program to integrate gender perspective to geohazard mapping and vulnerability risk assessment, the GADFPS gave an orientation on Demographic Profiling Program and importance of data collected (up to purok level in every barangay) especially to LGU's in their planning, preparations and actions for disaster

risk reduction-climate change adaptation measures in their locality. The GADFPS distributed PROFILE forms and IEC materials: abriefer on Republic Act 9262 otherwise known as the "Anti-Violence Against Women and Children Act" & a flyer on the "Importance of Minerals" directly given to barangay officials.









**2017**  
direction

---

## 2017 DIRECTION

---

With the changes in the management and implementation of new policies in the Bureau, MGB RXIII is looking forward to CY 2017. It is the most appropriate time for the minerals industry to stand and prove that it is a key player in socio-economic development.

Though it is a given fact that environmental disturbances during mining operations, causes all the negativity in the industry, but with the proper and full implementation of the provision of R.A 7942 and Executive Order No. 79 by the MGB, issues regarding the environment can be minimized if not totally resolved.

Optimisms are high for the minerals industry to bounce back this year after a major setback in the previous year. Though it is a herculean job to do for this industry to be environmentally acceptable to society, as it is also a major issue for some environmental groups, but with all the determinations made by the mining companies who are affected by the policies set by the government in terms of the minerals industry's contribution to the environment, economic and social aspect of mining operation, MGB RXIII is looking positive for the minerals industry in Caraga Region. According to the National Economic and Development Authority (NEDA) - Caraga, the local minerals industry remains the top economic driver in the region.

Based on CY 2017 Work and Financial Plan, new programs will be implemented most especially on the monitoring activities under the Mineral Lands Administration. Major programs shall strictly be implemented in accordance to mining laws, rules and regulations.

Shortage of technical personnel will remain as a challenge most specially that several monitoring activities are required to be conducted this year. In Mining Safety, Environment, Social Development Division alone, in compliance to the full implementation of mining policies, more monitoring programs have been added to its annual work plan.

Being considered as the mining capital of the country with several big scale mining operations in the region, the conduct of umpiring activities rests as the major concern. Based on plantilla, the number of umpiring activities does not correspond to the number of technical personnel who will conduct the said major activity. This is not to mention the other major programs of the Mine Management Division which also needs major attention. Same concern was also noted for the Geosciences Division wherein based on its annual work program, all targets have been increased. Yet, the capability to conduct such activities would be an incredible challenge, considering the limited number of technical personnel who has the authority to conduct geo-related programs.

In budgetary aspect, CY 2017 has Twenty-One Million Three Hundred Forty Thousand Pesos (21,340,000.00) charged to Professional Services and another Twenty-One Million Three Hundred Ninety-Five Thousand Pesos (21,395,000.00) the allocated for the Maintenance and Other Operating Expenses (MOOE). A total of Forty-Two Million Seven Hundred Thirty-Five Thousand Pesos (42,735,000.00), is the approved annual budget for this Office for implementation in CY 2017.

[See Annex B \(MGB 13 Work & Financial Plan for 2017\)](#)

To better manage and control of the entire office operation, a total budget of Three Million Seven Hundred Thousand Pesos (3,700,000.00) was allocated for ISO accreditation. For the upcoming year, two major activities will change the landscape of MGB RXII, to wit;

1. MGB RXIII Laboratory Operation (ISO No. 17025:2005); and
2. MGB RXIII Office Operation (ISO: Quality Management System)

Aside from the mentioned major activities for the coming year, MGB RXIII is also expectant in giving workshops, trainings, seminars for our personnel in terms of monitoring, validation, technical writing and values formation programs. This is to enhance the capability of the men and women of MGB RXIII in rendering quality government service.

# ANNEX A

Brgys Covered  
With IECs

**NAME OF BARANGAYS COVERED WITH IEC  
CY 2016**

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
June		<b>DINAGAT</b>	Province of Dinagat Islands
	1	Cab-ilan	
	2	Cabayawan	
	3	Escolta (Pob.)	
	4	Gomez	
	5	Magsaysay	
	6	Mauswagon (Pob.)	
	7	White Beach (Pob.)	
	8	Bagumbayan	
	9	New Mabuhay	
	10	Wadas	
	11	Cayetano	
	12	Justiniana Edera	
		<b>LIBJO (ALBOR)</b>	Province of Dinagat Islands
	1	Albor (Pob.)	
	2	Arellano	
	3	Bayanihan	
	4	Doña Helen	
	5	Garcia	
	6	General Aguinaldo (Bolod-bolod)	
	7	Kanihaan	
	8	Magsaysay	
	9	Osmeña	
	10	Plaridel	
	11	Quezon	
	12	San Antonio (Pob.)	
	13	San Jose	
	14	Santo Niño	
	15	Llamera	
	16	Rosita	
		<b>BUENAVISTA</b>	Agusan del Norte
	1	Abilan	
	2	Agong-ong	
	3	Alubijid	
	4	Guinabsan	
	5	Macalang	
	6	Malapong	
	7	Malpoc	
	8	Manapa	
	9	Matabao	
	10	Poblacion 1	
	11	Poblacion 2	
	12	Poblacion 3	
	13	Poblacion 4	
	14	Poblacion 5	
	15	Poblacion 6	
	16	Poblacion 7	
	17	Poblacion 8	
	18	Poblacion 9	
	19	Poblacion 10	
	20	Rizal	



MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
June		<b>BUENAVISTA</b>	Agusan del Norte
	21	Sacol	
	22	Sangay	
	23	Talo-ao	
	24	Lower Olave <sup>2</sup>	
	25	Simbalan <sup>3</sup>	
July		<b>KITCHARAO<sup>c</sup></b>	Agusan del Norte
	1	Bangayan	
	2	Canaway	
	3	Crossing	
	4	Hinimbangan	
	5	Jaliobong <sup>d</sup>	
	6	Mahayahay	
	7	Poblacion	
	8	San Isidro	
	9	San Roque	
	10	Sangay	
	11	Songkoy	
		<b>SANTIAGO</b>	Agusan del Norte
	1	Curva	
	2	Jagupit	
	3	La Paz	
	4	Poblacion I	
	5	San Isidro	
	6	Tagbuyacan	
	7	Estanislao Morgado	
	8	Poblacion II <sup>7</sup>	
		<b>ALEGRIA</b>	Surigao del Norte
	1	Poblacion (Alegria)	
	2	Alipao	
	3	Budlingin	
	4	Camp Eduard (Geotina)	
	5	Ombong	
	6	Pongtud	
	7	San Pedro	
	8	Ferlda	
	9	Julio Ouano (Pob.)	
	10	San Juan	
	11	Anahaw <sup>2</sup>	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
July		<b>ALEGRIA</b>	Surigao del Norte
	12	Gamuton	
		<b>DEL CARMEN</b>	
	1	Bagakay (Alburo)	
	2	Antipolo	
	3	Bitoon	
	4	Cabugao	
	5	Cancohoy	
	6	Caub	
	7	Del Carmen (Pob.)	
	8	Domoyog	
	9	Esperanza	
	10	Halian	
	11	Jamoyaon	
	12	Katipunan	
	13	Lobogon	
	14	Mabuhay	
	15	Mahayahay	
	16	Quezon	
	17	San Fernando	
	18	San Jose (Pob.)	
	19	Sayak	
	20	Tuboran	
		<b>GENERAL LUNA</b>	Surigao del Norte
	1	Anajawan	
	2	Cabitoonan	
	3	Catangnan	
	4	Consuelo	
	5	Corazon	
	6	Daku	
	7	Poblacion I (Purok I)	
	8	Poblacion II (Purok II)	
	9	Poblacion III (Purok III)	
	10	Poblacion IV (Purok IV)	
	11	Poblacion V (Purok V)	
	12	La Januza	
	13	Libertad	
	14	Magsaysay	
	15	Malinao	
	16	Santa Cruz	
	17	Santa Fe	
	18	Suyangan	
	19	Tawin-tawin	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
July		<b>PILAR</b>	Surigao del Norte
	1	Caridad	
	2	Katipunan	
	3	Maasin	
	4	Mabini	
	5	Mabuhay	
	6	Salvacion	
	7	San Roque	
	8	Asinan (Pob.)	
	9	Centro (Pob.)	
	10	Pilaring (Pob.)	
	11	Punta (Pob.)	
	12	Consolacion	
	13	Datu	
	14	Dayaohay	
	15	Jaboy	
		<b>SAN BENITO</b>	Surigao del Norte
	1	Bongdo	
	2	Maribojoc	
	3	Nuevo Campo	
	4	San Juan	
	5	Santa Cruz (Pob.)	
	6	Talisay (Pob.)	
		<b>DAPA</b>	Surigao del Norte
	1	Bagakay	
	2	Barangay 1 (Pob.)	
	3	Barangay 13 (Pob.)	
	4	Buenavista	
	5	Cabawa	
	6	Cambas-ac	
	7	Consolacion	
	8	Corregidor	
	9	Dagohoy	
	10	Don Paulino	
	11	Jubang	
	12	Montserrat	
	13	Osmeña	
	14	Barangay 10 (Pob.)	
	15	Barangay 11 (Pob.)	
	16	Barangay 12 (Pob.)	
	17	Barangay 2 (Pob.)	
	18	Barangay 3 (Pob.)	
	19	Barangay 4 (Pob.)	
	20	Barangay 5 (Pob.)	
	21	Barangay 6 (Pob.)	
	22	Barangay 7 (Pob.)	
	23	Barangay 8 (Pob.)	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
July		<b>DAPA</b>	Surigao del Norte
	24	Barangay 9 (Pob.)	
	25	San Carlos	
	26	San Miguel	
	27	Santa Fe	
	28	Union	
	29	Santa Felomina	
		<b>SAN ISIDRO</b>	Surigao del Norte
	1	Buhing Calipay	
	2	Del Carmen (Pob.)	
	3	Del Pilar	
	4	Macapagal	
	5	Pacifico	
	6	Pelaez	
	7	Roxas	
	8	San Miguel	
	9	Santa Paz	
	10	Santo Niño	
	11	Tambacan	
	12	Tigasao	
		<b>SANTA MONICA (SAPAO)</b>	Surigao del Norte
	1	Abad Santos	
	2	Alegria	
	3	T. Arlan (Pob.)	
	4	Bailan	
	5	Garcia	
	6	Libertad	
	7	Mabini	
	8	Mabuhay (Pob.)	
	9	Magsaysay	
	10	Rizal	
	11	Tangbo	
		<b>SOCORRO</b>	Surigao del Norte
	1	Del Pilar	
	2	Helene	
	3	Honrado	
	4	Navarro (Pob.)	
	5	Nueva Estrella	
	6	Pamosaingan	
	7	Rizal (Pob.)	
	8	Salog	
	9	San Roque	
	10	Santa Cruz	
	11	Sering	
	12	Songkoy	
	13	Sudlon	
	14	Albino Taruc <sup>12</sup>	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
August		<b>BAYUGAN</b>	Agusan del Sur
	1	Calaitan	
	2	Sagmone	
	3	Saguma	
	4	Salvacion	
	5	San Isidro	
	6	Santa Irene	
	7	Charito	
	8	Bucac	
	9	Fili	
	10	Cagbas	
	11	Hamogaway	
	12	Canayugan	
	13	Katipunan	
	14	Mabuhay	
	15	Claro Cortez	
	16	Gamao	
	17	Marcelina	
	18	Maygatasan	
	19	Noli	
	20	Osmeña	
	21	Getsemane	
	22	Panaytay	
	23	Poblacion	
	24	Taglatawan	
	25	Verdu	
	26	Wawa	
	27	Berseba	
	28	Grace Estate	
	29	Magkiangkang	
	30	Mahayag	
	31	Montivesta	
	32	Mt. Ararat	
	33	Mt. Carmel	
	34	Mt. Olive	
	35	New Salem	
	36	Pinagalaan	
	37	San Agustin	
	38	San Juan	
	39	Santa Teresita	
	40	Santo Niño	
	41	Taglibas	
	42	Tagubay	
	43	Villa Undayon	
		<b>TALACOGON</b>	Agusan del Sur
	1	Balucan <sup>3</sup>	
	2	BuenaGracia	
	3	Causwagan	
	4	Culi	
	5	Del Monte	
	6	Desamparados	
	7	La Flora	
	8	Labnig	
	9	Maharlika	
	10	Marbon	
	11	Sabang Gibung	
	12	San Agustin (Pob.)	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
August		<b>TALACOGON</b>	Agusan del Sur
	13	San Isidro (Pob.)	
	14	San Nicolas (Pob.)	
	15	Zamora	
	16	Zillovia	
		<b>ROSARIO</b>	Agusan del Sur
	1	Bayugan 3	
	2	Cabantao	
	3	Cabawan	
	4	Marfil	
	5	Novele	
	6	Poblacion	
	7	Santa Cruz	
	8	Tagbayagan	
	9	Wasi-an	
	10	Libuac	
	11	Maligaya	
		<b>SAN FRANCISCO</b>	Agusan del Sur
	1	Alegria	
	2	Barangay 1 (Pob.)	
	3	Barangay 2 (Pob.)	
	4	Barangay 3 (Pob.)	
	5	Barangay 4 (Pob.)	
	6	Barangay 5 (Pob.)	
	7	Bayugan 2	
	8	Bitan-agan	
	9	Borbon	
	10	Buenasuerte	
	11	Caimpugan	
	12	Das-agan	
	13	Ebro	
	14	Hubang	
	15	Karaus	
	16	Ladgadan	
	17	Lapinigan	
		<b>SAN FRANCISCO</b>	Agusan del Sur
	18	Lucac	
	19	Mate	
	20	New Visayas	
	21	Ormaca	
	22	Pasta	
	23	Pisa-an	
	24	Rizal	
	25	San Isidro	
	26	Santa Ana	
	27	Tagapua	



MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
August		<b>PROSPERIDAD (Capital)</b>	Agusan del Sur
	1	Aurora	
	2	Awa	
	3	Azpetia	
	4	La Caridad	
	5	La Perian	
	6	La Purisima	
	7	La Suerte	
	8	La Union	
	9	Las Navas	
	10	Libertad	
	11	Los Arcos	
	12	Lucena	
	13	Mabuhay	
	14	Magsaysay	
	15	Mapaga	
	16	Napo	
	17	New Maug	
	18	Patin-ay	
	19	Poblacion (Bahbah)	
	20	Salimbogaon	
	21	Salvacion	
	22	San Joaquin	
	23	San Jose	
	24	San Lorenzo	
	25	San Martin	
	26	San Pedro	
	27	San Rafael	
	28	San Roque	
	29	San Salvador	
	30	San Vicente	
	31	Santa Irene	
	32	Santa Maria	
September		<b>SANTIAGO</b>	Agusan Del Norte
	1	Pangalayan	
		<b>BACUAG</b>	Surigao Del Norte
	1	Cabugao	
	2	Cambuayon	
	3	Campo	
	4	Dugsangon	
	5	Pautao	
	6	Payapag	
	7	Poblacion	
	8	Pungtod	
	9	Santo Rosario	
		<b>TUBOD</b>	Surigao Del Norte
	1	Capayahan	
	2	Cawilan	
	3	Del Rosario	
	4	Marga	
	5	Motorpool	
	6	Poblacion (Tubod)	
	7	San Isidro	
	8	Timamana	
	9	San Pablo	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
		<b>CANTILAN</b>	Surigao Del Sur
	1	Bugsukan	
	2	Buntalid	
	3	Cabangahan	
	4	Cabas-an	
	5	Calagdaan	
	6	Consuelo	
	7	General Island	
	8	Lininti-an (Pob.)	
	9	Magasang	
	10	Magosilom (Pob.)	
	11	Pag-Antayan	
	12	Palasao	
	13	Parang	
	14	Tapi	
	15	Tigabong	
	16	Lobo	
	17	San Pedro	
		<b>CARASCAL</b>	Surigao Del Sur
	1	Adlay	
	2	Babuyan	
	3	Bacolod	
	4	Baybay (Pob.)	
	5	Bon-ot	
	6	Caglayag	
	7	Dahican	
	8	Doyod (Pob.)	
	9	Embarcadero (Pob.)	
	10	Gamuton	
	11	Panikian	
	12	Pantukan	
	13	Saca (Pob.)	
	14	Tag-Anito	
		<b>MARIHATAG</b>	Surigao Del Sur
	1	Alegria	
	2	Amontay	
	3	Antipolo	
	4	Arorogan	
	5	Bayan	
	6	Mahaba	
	7	Mararag	
	8	Poblacion	
	9	San Antonio	
	10	San Isidro	
	11	San Pedro	
	12	Santa Cruz	
		<b>SAN AGUSTIN</b>	Surigao Del Sur
	1	Bretania	
	2	Buatong	
	3	Buhisan	
	4	Gata	
	5	Hornasan	
	6	Janipaan	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
September		<b>SAN AGUSTIN</b>	Surigao Del Sur
	7	Kauswagan	
	8	Oteiza	
	9	Poblacion	
	10	Pong-on	
	11	Pongtod	
	12	Salvacion	
	13	Santo Nino	
		<b>ESPERANZA</b>	Agusan Del Sur
	1	Aguinaldo	
	2	Anolinga	
	3	Bakingking	
	4	Balubo	
	5	Bentahon	
	6	Bunaguit	
	7	Catmonon	
	8	Cebulan	
	9	Concordia	
	10	Crossing Luna	
		<b>ESPERANZA</b>	Agusan Del Sur
	11	Cubo	
	12	Dakutan	
	13	Duangan	
	14	Guadalupe	
	15	Guibonon	
	16	Hawilian	
	17	Kalabuan	
	18	Kinamaybay	
	19	Labao	
	20	Langag	
	21	Mac-Arthur	
	22	Mahagcot	
	23	Maliwanag	
	24	Milagros	
	25	Nato	
	26	New Gingoog	
	27	Odiong	
	28	Oro	
	29	Piglawigan	
	30	Poblacion	
	31	Remedios	
	32	Salug	
	33	San Isidro	
	34	San Jose	
	35	San Toribio	
	36	San Vicente	
	37	Santa Fe	
	38	Segunda	
	39	Sinakungan	
	40	Tagabase	
	41	Taganahaw	
	42	Tagbalili	
	43	Tahina	
	44	Tandang Sora	
	45	Valentina	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
October		<b>SANTA JOSEFA</b>	Agusan Del Sur
	1	Angas	
	2	Aurora	
	3	Awao	
	4	Tapaz	
	5	Patrocinio	
	6	Poblacion	
	7	San Jose	
	8	Santa Isabel	
	9	Sayon	
	10	Concepcion	
	11	Pag-asa	
		<b>TRENTO</b>	Agusan Del Sur
	1	Basa	
	2	Cuevas	
	3	Kapatungan	
	4	Langkila-an	
	5	New Visayas	
	6	Poblacion	
	7	Pulang-lupa	
	8	Salvacion	
	9	San Ignacio	
	10	San Isidro	
	11	San Roque	
	12	Santa Maria	
	13	Tudela	
	14	Cebolin	
	15	Manat	
	16	Pangyan	
		<b>BISLIG<sup>2</sup></b>	Surigao del Sur
	1	Bucto	
	2	Burboanan	
	3	San Roque (Cadanglasan)	
	4	Caguyao	
	5	Coletto	
	6	Labisma	
	7	Lawigan	
	8	Mangagoy	
	9	Mone	
	10	Pamaypayan	
	11	Poblacion	
	12	San Antonio	
	13	San Fernando	
	14	San Isidro (Bagnan)	
	15	San Jose	
	16	San Vicente	
	17	Santa Cruz	
	18	Sibaroy	
	19	Tabon	
	20	Tumanan	
	21	Pamanlinan	
	22	Kahayag	
	23	Maharlika	
	24	Comawas <sup>3</sup>	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
October		<b>SISON</b>	Surigao Del Norte
	1	Biyabid	
	2	Gacepan	
	3	Ima	
	4	Lower Patag	
	5	Mabuhay	
	6	Mayag	
	7	Poblacion (San Pedro)	
	8	San Isidro	
	9	San Pablo	
	10	Tagbayani	
	11	Tinogpahan	
	12	Upper Patag	
		<b>MAINIT</b>	
	1	Binga	
	2	Bobona-on	
	3	Cantugas	
	4	Dayano	
	5	Mabini	
	6	Magpayang	
	7	Magsaysay (Pob.)	
	8	Mansayao	
	9	Marayag	
	10	Matin-ao	
	11	Paco	
	12	Quezon (Pob.)	
	13	Roxas	
	14	San Francisco	
	15	San Isidro	
	16	San Jose	
	17	Siana	
	18	Silop	
	19	Tagbuyawan	
	20	Tapi-an	
	21	Tolingon	
		<b>SAN FRANCISCO (ANAO-AON)</b>	Surigao Del Norte
	1	Amontay	
	2	Balite	
	3	Banbanon	
	4	Diaz	
	5	Honrado	
	6	Jubgan	
	7	Linongganan	
	8	Macopa	
	9	Magtangale	
	10	Oslao	
	11	Poblacion	
		<b>MALIMONO</b>	Surigao Del Norte
	1	Doro (Binocaran)	
	2	Bunyasán	
	3	Cantapoy	
	4	Cagtinae	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
October		<b>MALIMONO</b>	Surigao Del Norte
	5	Cayawan	
	6	Hanagdong	
	7	Karihatag	
	8	Masgad	
	9	Pili	
	10	San Isidro (Pob.)	
	11	Tinago	
	12	Cansayong	
	13	Can-aga	
	14	Villariza	
		<b>LIANGA</b>	
	1	Anibongan	
	2	Banahao	
	3	Ban-as	
	4	Baucawe	
	5	Diatagon	
	6	Ganayon	
	7	Liatimco	
	8	Manyayay	
	9	Payasan	
	10	Poblacion	
	11	Saint Christine	
	12	San Isidro	
	13	San Pedro	
November		<b>Gigaquit</b>	Surigao Del Norte
	1	Alambique (Pob.)	
	2	Anibongan	
	3	Camam-onan	
	4	Cam-boayon	
	5	Ipil (Pob.)	
	6	Lahi	
	7	Mahanub	
	8	Poniente	
	9	San Antonio (Bonot)	
	10	San Isidro	
	11	Sico-sico	
	12	Villaflor	
	13	Villafranca	
		<b>Claver</b>	
	1	Cabugo	
	2	Cagdianao	
	3	Daywan	
	4	Hayanggabon	
	5	Ladgaron (Pob.)	
	6	Lapinigan	
	7	Magallanes	
	8	Panatao	
	9	Tayaga (Pob. East)	
	10	Bagakay (Pob. West)	
	11	Sapa	
	12	Taganito	
	13	Urbiztondo	
	14	Wangke	



MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
November		<b>San Luis</b>	Agusan Del Sur
	1	Anislagan	
	2	Baylo	
	3	Coalicion	
	4	Culi	
	5	Nuevo Trabajo	
	6	Poblacion	
	7	Santa Ines	
	8	Balit	
	9	Binicalan	
	10	Cecilia	
	11	Dimasalang	
	12	Don Alejandro	
	13	Don Pedro	
	14	Doña Flavia	
	15	Mahagsay	
	16	Mahapag	
	17	Mahayahay	
	18	Muritula	
	19	Policarpo	
	20	San Isidro	
	21	San Pedro	
	22	Santa Rita	
	23	Santiago	
	24	Wegguam	
	25	Doña Maxima	
		<b>La Paz</b>	Agusan Del Sur
	1	Bataan	
	2	Comota	
	3	Halapitan	
	4	Langasian	
	5	Osmeña, Sr.	
	6	Poblacion	
	7	Sagunto	
	8	Villa Paz	
	9	Angeles	
	10	Kasapa II	
	11	Lydia	
	12	Panagangan	
	13	Sabang Adgawan	
	14	San Patricio	
	15	Valentina	
		<b>Loreto</b>	Agusan Del Sur
	1	Binucayan	
	2	Johnson	
	3	Magaud	
	4	Nueva Gracia	
	5	Poblacion	
	6	San Isidro	
	7	San Mariano	
	8	San Vicente	
	9	Santa Teresa	
	10	Santo Tomas	
	11	Violanta	
	12	Waloe	
	13	Kasapa	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
November		<b>Loreto</b>	Agusan Del Sur
	14	Katipunan	
	15	Kauswagan	
	16	Santo Niño	
	17	Sabud	
		<b>Lingig</b>	Surigao Del Sur
	1	Valencia	

### Brgys. Covered with IEC in RVIII

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
November		<b>Pastrana</b>	Leyte
	1	Arabunog	
	2	Aringit	
	3	Bahay	
	4	Cabaohan	
	5	Calsadahay	
	6	Cancaraja	
	7	Caninoan	
	8	Capilla	
	9	Colawen	
	10	Dumarag	
	11	Guindapunan	
	12	Halaba	
	13	Jones	
	14	Lanawan	
	15	Lima	
	16	Macalpiay	
	17	Malitbogay	
	18	Manaybanay	
	19	Maricum	
	20	Patong	
	21	District 1 (Pob.)	
	22	District 2 (Pob.)	
	23	District 3 (Pob.)	
	24	District 4 (Pob.)	
	25	Sapsap	
	26	Socsocon	
	27	Tingib	
	28	Yapad	
	29	Lourdes	
		<b>Tolosa</b>	Leyte
	1	Burak	
	2	Canmogsay	
	3	Cantariwis	
	4	Capangihan	
	5	Malbog	
	6	Olot	
	7	Opong	
	8	Poblacion	
	9	Quilao	
	10	San Roque	
	11	San Vicente	
	12	Tanghas	
	13	Telegrafo	
	14	Doña Brigida	
	15	Imelda	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
November	<b>Sta. Fe</b>		Leyte
	1 Baculanad		
	2 Badiangay		
	3 Bulod		
	4 Catoogan		
	5 Katipunan		
	6 Milagrosa		
	7 Pilit		
	8 Pitogo		
	9 Zone 1 (Pob.)		
	10 Zone 2 (Pob.)		
	11 Zone 3 (Pob.)		
	12 San Isidro		
	13 San Juan		
	14 San Miguelay		
	15 San Roque		
	16 Tibak		
	17 Victoria		
	18 Cutay		
	19 Gapas		
	20 Zone 4 Pob. (Cabangcalan)		
	<b>Babatngon</b>		Leyte
	1 Biasong		
	2 Gov. E. Jaro (Bagahupi)		
	3 Malibago		
	4 Magcasuang		
	5 Planza		
	6 Poblacion District I		
	7 Poblacion District II		
	8 Poblacion District III		
	9 Poblacion District IV		
	10 Rizal I		
	11 San Ricardo		
	12 Sangputan		
	13 Pagsulhugon		
	14 Taguite		
	15 Uban		
	16 Victory		
	17 Villa Magsaysay		
	18 Bacong		
	19 Bagong Silang		
	20 Lukay		
	21 Rizal II		
	22 San Agustin		
	23 Guintigui-an		
	24 Naga-asan		
	25 San Isidro		

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
November		<b>Barugo</b>	Leyte
	1	Abango	
	2	Amahit	
	3	Balire	
	4	Balud	
	5	Bukid	
	6	Bulod	
	7	Busay	
	8	Cabolo-an	
	9	Calingcaguing	
	10	Can-isak	
	11	Canomantag	
	12	Duka	
	13	Guindaohan	
	14	Hiagsam	
	15	Hilaba	
	16	Hinugayan	
	17	Ibag	
	18	Minuhang	
	19	Minuswang	
	20	Pikas	
	21	Pitogo	
	22	Poblacion Dist. I	
	23	Poblacion Dist. II	
	24	Poblacion Dist. III	
	25	Poblacion Dist. IV	
	26	Poblacion Dist. V	
	27	Poblacion Dist. VI (New Road)	
	28	Pongso	
	29	Roosevelt	
	30	San Isidro	
	31	Santa Rosa	
	32	Santarin	
	33	Tutug-an	
	34	Cabarasan	
	35	Cuta	
	36	Domogdog	
	37	San Roque	
		<b>San Miguel</b>	Leyte
	1	Bagacay	
	2	Bahay	
	3	Bairan	
	4	Cabatianuhan	
	5	Canap	
	6	Capilihan	
	7	Caraycaray	
	8	Libtong (East Poblacion)	
	9	Guinciaman	
	10	Impo	
	11	Kinalumsan	
	12	Lukay	
	13	Malaguinabot	
	14	Malpag	
	15	Mawodpawod	
	16	Patong	
	17	Pinarigusan	
	18	San Andres	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
November		<b>San Miguel</b>	Leyte
	19	Santa Cruz	
	20	Santol	
	21	Cayare (West Poblacion)	
		<b>Palo</b>	Leyte
	1	Anahaway	
	2	Arado	
	3	Baras	
	4	Barayong	
	5	Cabarasan Daku	
	6	Cabarasan Guti	
	7	Campetik	
	8	Candahug	
	9	Cangumbang	
	10	Canhidoc	
	11	Capirawan	
	12	Castilla	
	13	Cogon (Cogon San Joaquin)	
	14	Gacao	
	15	Guindapunan	
	16	Libertad	
	17	Naga-naga	
	18	Pawing	
	19	Buri (Pob.)	
	20	Cavite East (Pob.)	
	21	Cavite West (Pob.)	
	22	Luntad (Pob.)	
	23	Santa Cruz (Pob.)	
	24	Salvacion	
	25	San Agustin	
	26	San Antonio	
	27	San Isidro	
	28	San Joaquin	
	29	San Jose	
	30	San Miguel (Pob.)	
	31	Tacuranga	
	32	Teraza	
	33	San Fernando	
		<b>Tunga</b>	Leyte
	1	Astorga (Upart)	
	2	Balire	
	3	Banawang	
	4	San Antonio (Pob.)	
	5	San Pedro	
	6	San Roque	
	7	San Vicente (Pob.)	
	8	Santo Niño (Pob.)	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
November		<b>Tacloban City</b>	Leyte
	1	Barangay 2	
	2	Nula-tula (Bgys. 3 & 3A)	
	3	Libertad (Barangays 1 & 4)	
	4	Barangay 5	
	5	Barangay 6	
	6	Barangay 6-A	
	7	Barangay 7	
	8	Barangay 8	
	9	Barangay 100 (San Roque)	
	10	Barangay 101 (New Kawayan)	
	11	Barangay 102 (Old Kawayan)	
	12	Barangay 103 (Palanog)	
	13	Barangay 103-A (San Paglaum)	
	14	Barangay 104 (Salvacion)	
	15	Barangay 105 (Suhi)	
	16	Barangay 106 (Santo Niño)	
	17	Barangay 107 (Santa Elena)	
	18	Barangay 108 (Tagapuro)	
	19	Barangay 12 (Palanog Resettlement)	
	20	Barangay 13	
	21	Barangay 14	
	22	Barangay 15	
	23	Barangay 16	
	24	Barangay 17	
	25	Barangay 18	
	26	Barangay 19	
	27	Barangay 20	
	28	Barangay 21	
	29	Barangay 21-A	
	30	Barangay 22	
	31	Barangay 23	
	32	Barangay 24	
	33	Barangay 25	
	34	Barangay 26	
	35	Barangay 27	
	36	Barangay 28	
	37	Barangay 29	
	38	Barangay 30	
	39	Barangay 31	
	40	Barangay 32	
	41	Barangay 33	
	42	Barangay 34	
	43	Barangay 35	
	44	Barangay 35-A	
	45	Barangay 36	
	46	Barangay 37	
	47	Barangay 37-A	
	48	Barangay 38	
	49	Barangay 39	
	50	Barangay 40	
	51	Barangay 41	
	52	Barangay 42	
	53	Barangay 43	
	54	Barangay 43-A	
	55	Barangay 43-B	
	56	Barangay 44	
	57	Barangay 44-A	

MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
November		<b>Tacloban City</b>	Leyte
	58	Barangay 45	
	59	Barangay 46	
	60	Barangay 47	
	61	Barangay 48	
	62	Barangay 49	
	63	Barangay 50	
	64	Barangay 50-A	
	65	Barangay 50-B	
	66	Barangay 51	
	67	Barangay 52	
	68	Barangay 53	
	69	Barangay 54	
	70	El Reposo (Barangays 55 & 55A)	
	71	Barangay 56	
	72	Barangay 57	
	73	Barangay 58	
	74	Barangay 59	
	75	Barangay 60	
	76	Barangay 60-A	
	77	Barangay 61	
	78	Barangay 62	
	79	Barangay 63	
	80	Barangay 64	
	81	Barangay 65	
	82	Barangay 66	
	83	Barangay 66-A	
	84	Barangay 67	
	85	Barangay 68	
	86	Barangay 69	
	87	Barangay 70	
	88	Barangay 71	
	89	Barangay 72	
	90	Barangay 73	
	91	Barangay 74	
	92	Barangay 75	
		<b>Tabontabon</b>	Leyte
	1	Amandangay	
	2	Aslum	
	3	Balingasag	
	4	Belisong	
	5	Cambuciao	
	6	Capahuan	
	7	Guingawan	
	8	Jabong	
	9	Mercadohay	
	10	Mering	
	11	Mohon	
	12	District I Pob. (Quezon)	
	13	District II Pob. (Rizal)	
	14	District III Pob. (Bonifacio)	
	15	District IV Pob. (Macarthur)	
	16	San Pablo (Mooc)	



MONTH	NO.	MUNICIPALITY/BRGY	PROVINCE
December		<b>Esperanza</b>	Agusan del Sur
	1	Agsabu	
	2	Maasin	



# **ANNEX B**

## **CY 2017 WFP**



# **MINES AND GEOSCIENCES BUREAU**

## **2017 WORK AND FINANCIAL PLAN REGIONAL OFFICE No. - XIII -**





# SUMMARY OF 2017 WFP

BUDGET ITEM	GASS ('000)	STO ('000)	OPERATIONS ('000)	TOTALS ('000)
PS	8845		12495	21340
MOOE	6340	92	14963	21395
CO				
Total	15185	92	27458	42735





# SUMMARY OF 2017 WFP

BUDGET ITEM	OPERATIONS		
	MFO 1 (‘000)	MFO 2 (‘000)	TOTALS (‘000)
PS	3379	9116	12495
MOOE	12369	2594	14963
CO			
Total	15748	11710	27458





# General Administration and Support Services

Activity: Administrative Services

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target</b>	1	1	1	1	1	1	1	1	1	1	1	1	12
<b>% Accomp</b>										83%	92%	100%	
<b>Total MOOE Budget</b>	165	141	3343	75	183	215	75	75	90	110	188	75	4735
Cumulative MOOE Budget	165	306	3649	3724	3907	4122	4197	4272	4362	4472	4660	4735	
% Cumulative Budget	3%	6%	77%	79%	83%	87%	89%	90%	92%	94%	98%	100%	
<b>Mandatories</b>	75	75	75	75	75	75	75	75	75	75	75	75	900
<b>Impositions</b>											113		113
<b>Net Budget Allocation</b>	90	66	3268	0	108	140	0	0	15	35	0	0	3722
Travel	90	66	68		108	140			15	35			522
APP			3200										3200

APP Budget (3,250) is for Tier 2





# General Administration and Support Services

Activity: Financial Management Services

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target</b>	1	1	1	1	1	1	1	1	1	1	1	1	12
<b>% Accomplishment</b>										83%	92%	100%	
<b>Total MOOE Budget</b>	54	54	54	54	54	54	54	54	54	69	76	54	680
Cumulative MOOE Budget	54	107	161	214	268	321	375	429	483	551	627	680	
% Cumulative Budget	8%	16%	24%	32%	39%	47%	55%	63%	71%	81%	92%	100%	
<b>Mandatories</b>	54	54	54	54	54	54	54	54	54	54	54	54	643
<b>Impositions</b>											7		7
<b>Net Budget Allocation</b>	0	0	0	0	0	0	0	0	0	15	15	0	30
Travel										15	15		30
APP													







## Activity: Planning and Policy Formulation

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target</b>	1	1	1	2	1	1	1	1	1	2	1	1	14
<b>% Accomp</b>										90%	93%	100%	
<b>Total MOOE Budget</b>	43	43	43	207	43	43	43	43	43	288	43	43	924
<b>Cumulative MOOE Budget</b>	43	86	129	335	378	421	464	506	549	837	881	924	
<b>% Cumulative Budget</b>	5%	9%	14%	36%	41%	46%	50%	55%	59%	91%	95%	100%	100%
<b>Mandatories</b>	43	43	43	43	43	43	43	43	43	43	43	43	514
<b>Impositions</b>										79			79
<b>Net Budget Allocation</b>	0	0	0	164	0	0	0	0	0	166	0	0	330
<b>Travel</b>				164						166			330
<b>APP</b>													0





# Support to Operations

Activity: Planning and Policy Formulation

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target</b>													
<b>% Accomplishment</b>													
<b>Total MOOE Budget</b>			92										92
<b>Cumulative MOOE Budget</b>			92										
<b>% Cumulative Budget</b>			100%										100%
<b>Mandatories</b>													
<b>Impositions</b>													0
<b>Net Budget Allocation</b>	0	0	92	0	0	0	0	0	0	0	0	0	92
<b>Travel</b>													0
<b>APP</b>			92										92

For ROs CAR, III, IVA, IVB, V, VI, VII, X, XI and XIII





- **A-1: Dialogues with Sanggunian**
- **A-2: Dialogues with Other Groups**

## B: Radio/TV Guestings

## C: Press releases/Photo Releases/Feature Stories

[illegible]



- **A-1: MGB Personnel**
- **A-2: LGUs and Other Stakeholders**
- **A-3: Small-Scale Miners**

[illegible]



- **A-1: Website Maintained**
- **A-2: Website Article Posted**
- **A-3: IEC Materials Produced**
- **A-4: IEC Materials Reproduced**
- **A-5: Statistics Reports submitted to MGB CO**
- **A-6: Maps/Map Info Database submitted to MGB CO**
- **A-7: MRGD Reports submitted to MGB CO**

[illegible]



# Operations

## MFO 1: Mineral Resource Development Service Communication Plan

### A: National Linkages

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A</b>	1	1	1	1	1	1	1	1	1	1	1	1	12
<b>% Accomplishment</b>										90%	92%		
<b>Total MOOE Budget</b>	10	10	10	10	10	10	10	10	10	10	10	10	125
<b>Cumulative MOOE Budget</b>	10	21	31	42	52	63	73	84	94	105	115	125	
<b>% Cumulative Budget</b>	8%	17%	25%	33%	42%	50%	58%	67%	75%	83%	92%	100%	
<b>Mandatories</b>	10	10	10	10	10	10	10	10	10	10	10	10	125
<b>Impositions</b>													
<b>Net Budget Allocation</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Travel</b>													
<b>APP</b>													





# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

#### A: Geohazard Assessment Program

- A-1: VRA – LGUs (City/Municipality) Assessed
- A-2: VRA – Reports Prepared

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>		2	2	2			2	2	2				12
<b>Target: A-2</b>				2	2	2			2	2	2		12
<b>% Accomplishment</b>										92%	100%	100%	
<b>Total MOOE Budget</b>	1840	201	181	1978	61	61	181	201	201	661	507	61	6132
<b>Cumulative MOOE Budget</b>	1840	2041	2222	4199	4260	4321	4502	4703	4904	5564	6071	6132	
<b>% Cumulative Budget</b>	30%	33%	36%	68%	69%	70%	73%	77%	80%	91%	99%	100%	
<b>Mandatories</b>	61	61	61	61	61	61	61	61	61	61	61	61	730
<b>Impositions</b>										600	446		1046
<b>Net Budget Allocation</b>	1779	140	120	1917	0	0	120	140	140	0	0	0	4356
<b>Travel</b>		140	120	140			120	140	140				800
<b>APP</b>	1779			1777									3556

**NOTE: Instead of Loreto MGB XIII will conduct VRA at San Jose bec. MGB CO already conducted VRA at Loreto**







# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

#### A: Geohazard Assessment Program

- A-1: Updating – LGUs (City/Municipality) Assessed
- A-2: Updating – Reports Prepared

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>				1									1
<b>Target: A-2</b>							1						1
<b>% Accomplishment</b>				50%	50%	50%	100%						
<b>Total MOOE Budget</b>	0	0	0	190	0	0	0	0	0	23	23	0	236
<b>Cumulative MOOE Budget</b>	0	0	0	190	190	190	190	190	190	213	236	236	236
<b>% Cumulative Budget</b>	0%	0%	0%	81%	81%	81%	81%	81%	81%	90%	100%	100%	100%
<b>Mandatories</b>													0
<b>Impositions</b>										23	23		46
<b>Net Budget Allocation</b>	0	0	0	190	0	0	0	0	0	0	0	0	190
<b>Travel</b>				80									80
<b>APP</b>		110											110





# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

#### A: Geohazard Assessment Program

- A-1: Subsurface – LGUs (City/Municipality) Assessed
- A-2: Subsurface – Reports Prepared

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>										1			1
<b>Target: A-2</b>												1	1
<b>% Accompl</b>										100%			
<b>Total MOOE Budget</b>													
<b>Cumulative MOOE Budget</b>													
<b>% Cumulative Budget</b>										90%			
<b>Mandatories</b>													
<b>Impositions</b>													
<b>Net Budget Allocation</b>													
<b>Travel</b>													
<b>APP</b>													

MGB 13 will conduct sub-surface Assessment at RVII





# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

#### A: Production of Geohazard/VRA Maps

- A-1: Geohazard/VRA Maps Prepared

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>				36	36	36			36	36	36		216
<b>Target: A-2</b>													
<b>% Accomp</b>										83%	100%		
<b>Total MOOE Budget</b>													
<b>Cumulative MOOE Budget</b>													
<b>% Cumulative Budget</b>										90%			
<b>Mandatories</b>													
<b>Impositions</b>													
<b>Net Budget Allocation</b>													
<b>Travel</b>													
<b>APP</b>													





**Note: Distribution of Posters, VCDs & Pamphlets will be conducted during VRA**

- **A-1: Maps Disseminated**
- **A-2: Posters Disseminated**
- **A-3: VCDs Disseminated**
- **A-4: Pamphlets/flyers Disseminated**
- **A-5: Signages provided/installed**
- **A-6: Trimedia**

**B : Capacity Building – Trainings/seminars for MGB Technical Personnel**

[illegible]



# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

#### A: Conduct of Intensive IEC Campaign to LGUs

- A-1: Consultation/Workshops for Barangay Captains & Officials conducted
- A-2: Lectures Presented
- A-3: Advisories Issued
- A-4: Activity/Exit Reports Issued

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>													
<b>Target: A-2</b>		1	1	1			1		1				5
<b>Target: A-3</b>					5								5
<b>Target: A-4</b>													
<b>% Accompl</b>										100%			
<b>Total MOOE Budget</b>													
<b>Cumulative MOOE Budget</b>													
<b>% Cum Budget</b>													
<b>Mandatories</b>													
<b>Impositions</b>													
<b>Net Budget Allocation</b>													
<b>Travel</b>													
<b>APP</b>													

**Note: Target for Lectures Presented will also be conducted during VRA**





# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

#### A: Geohazards Operations Center

- A-1: Geohazards Operations Center Maintained
- A-2: Advisories Re-issued
- A-3: Incidents/Flash Reports Prepared
- A-4: PDDRA Meetings Attended

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>	1	1	1	1	1	1	1	1	1	1	1	1	12
<b>Target: A-2</b>									36				36
<b>Target: A-3</b>												1	1
<b>Target: A-4</b>											1		1
<b>% Accomplishment</b>										95%	97%	100%	
<b>Total MOOE Budget</b>													
<b>Cumulative MOOE Budget</b>													
<b>% Cum Budget</b>										90%			
<b>Mandatories</b>													
<b>Impositions</b>													
<b>Net Budget Allocation</b>													
<b>Travel</b>													
<b>APP</b>													





# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

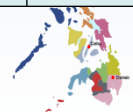
#### A: Coastal Geohazard Assessment

- A-1: Coastal LGUs (City/Municipality) assessed
- A-2: Coastal Geohazard Reports with Maps prepared
- A-3: Advisories Issued
- A-4: Activity/Exit Reports Issued

**Total Coastal Geohazard Assessment Target = 41**

1. RIX = 12
2. RX = 12
3. RXII = 3
4. RXIII = 14

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>		2	2			2	2	3	2	1			14
<b>Target: A-2</b>				2	2		2		2	2	2	2	14
<b>Target: A-3</b>		2	2			2	2	3	2	1			14
<b>Target: A-4</b>				2	2			3	3	3	1		14
<b>% Accomplishment</b>										91%	96%	100%	
<b>Total MOOE Budget</b>	245	34	564	0	51	405	152	118	203	232	215	0	2218
<b>Cumulative MOOE Budget</b>	245	279	843	843	894	1299	1451	1569	1772	2004	2218	2218	
<b>% Cum Budget</b>	11%	13%	38%	38%	40%	59%	65%	71%	80%	90%	100%	100%	
<b>Mandatories</b>													0
<b>Impositions</b>										215	215		429.49
<b>Net Budget Allocation</b>	245	34	564	0	51	405	152	118	203	17			1789
<b>Travel</b>		34	85		51	34	152	118	203	17			694
<b>APP</b>	245		479			371							1095







# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

#### A: Quadrangle Mapping and Survey

- A-1: Quadrangles Assessed
- A-2: Geologic Reports with Maps Prepared

#### B: Provision of Laboratory Services

- B-1: Samples Analyzed
- B-2: Determinations Made

#### C: Mineral Resources Inventory - Provincial Resource Maps updated and submitted to CO

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>				1	2	1	1						5
<b>Target: A-2</b>								1	2	2			5
<b>Target: B-1</b>	60	85	100	160	160	180	160	180	160	100	100	50	1500
<b>Target: B-2</b>	1900	3000	3100	4000	4000	4200	4000	4200	4000	3100	3100	1400	40000
<b>Target: C</b>											1		1
<b>% Accompl</b>										89%	96%	100%	
<b>Total MOOE Budget</b>	549	41	41	41	141	41	41	41	41	391	115	41	1518
<b>Cumulative MOOE Budget</b>	549	589	630	670	811	851	892	932	973	1363	1478	1518	
<b>% Cum Budget</b>	36%	39%	41%	44%	53%	56%	59%	61%	64%	90%	97%	100%	
<b>Mandatories</b>	41	41	41	41	41	41	41	41	41	41	41	41	486
<b>Impositions</b>					100					350	74		524
<b>Net Budget Allocation</b>	508	0	0	0	0	0	0	0	0	0	0	0	508
<b>Travel</b>													
<b>APP</b>	508												508

Quad Mapping will be conducted at RV



# Operations

## MFO 1: Mineral Resource Development Service

### Geosciences Development Services

#### A: Groundwater Resource and Vulnerability Assessment Program

- A-1: LGUs (province) assessed on Groundwater
- A-2: Groundwater Assessment Reports with 1:250,000 groundwater availability maps prepared

#### B: Miscellaneous Geological Services - Technical Assistance Provided (GIR/GVR/EGGAR/SWD)

- B-1: Investigation Reports Prepared
- B-2: Clients Served (no.)

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>									1	1			1
<b>Target: A-2</b>												1/1	1/1
<b>Target: B-1</b>		1	1	1	1	1	1	1	1	1	1		10
<b>Target: B-2</b>	35	35	40	35	40	35	40	35	35	35	20	15	400
<b>% Accompl</b>										91%	96%	100%	
<b>Total MOOE Budget</b>	30	330	305	90	30	77	77	77	77	177	64	30	1365
<b>Cumulative MOOE Budget</b>	30	361	666	757	787	864	940	1017	1094	1270	1334	1365	
<b>% Cum Budget</b>	2%	26%	49%	55%	58%	63%	69%	75%	80%	93%	98%	100%	
<b>Mandatories</b>	30	30	30	30	30	30	30	30	30	30	30	30	365
<b>Impositions</b>				60						100	34		194
<b>Net Budget Allocation</b>		300	275			46	46	46	46	46	0	0	806
<b>Travel</b>						46	46	46	46	46			231
<b>APP</b>		300	275										575

**NOTE: Text in red color is TIER 2 target**

**1. Province of Dinagat Islands**





- A-1: FTAA/MPSA/EP/ISAG/MPP/SMP/Authority to Verify
- A-2: OTP/ Certification
- A-3: Others (CEMCRR/ COE/Accreditation)
- A-4: MOEP

OTP : 320  
Certification: 100  
Total = 420

**Accreditation: 4**  
**CEMCRR/CoE: 2**  
**Total = 6**

[illegible]



# Operations

## MFO 2: Mining Regulation Services

### Mineral Investment Promotion Program

#### A: Use It or Lose It Policy

- A-1: Mining applications with final action

#### B: Review of Performance of Mining Permits/ Contracts

- B-1: Mining Permits/Contracts reviewed

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>				1	1	1	1	1	1	1			7
<b>Target: B-1</b>	4	4	4	4	4	6	6	8	8	8	6		62
<b>% Accomplishment</b>										91%	100%		
<b>Total MOOE Budget</b>	5	5	5	5	5	5	5	5	5	5	5	5	63
<b>Cumulative MOOE Budget</b>	5	11	16	21	26	32	37	42	47	53	58	63	
<b>% Cum Budget</b>	8%	17%	25%	33%	42%	50%	59%	67%	75%	84%	92%	100%	
<b>Mandatories</b>	5	5	5	5	5	5	5	5	5	5	5	5	63
<b>Impositions</b>													
<b>Net Budget Allocation</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Travel</b>													
<b>APP</b>													





- **A-1: EPEP**
- **A-2: Annual EPEP**
- **A-3: SDMP/CDP**
- **A-4: Annual SDMP**
- **A-5: Annual SHP**
- **A-6: EWP**
- **A-7: CMP**

[illegible]



- **A-1: Provinces Inventoried for SSM Sites**
- **A-2: Proposed Minahang Bayan areas identified**
- **A-3: Proposed Minahang Bayan sites endorsed**
- **A-4: P/CMRB operationalized/reconstituted**
- **A-5: Meetings Conducted/Participated**
- **A-6: P/CMRB Regional Consultations Conducted**

[illegible]



# Operations

## MFO 2: Mining Regulation Services

### Mining Industry Development Program

A: Monitor/audit of approved mining contracts/permits

• A-1: Work Program

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>	3	3	4	5	5	5	4	3	6	4			42
<b>% Accomplishment</b>										100%			
<b>Total MOOE Budget</b>	54	22	23	22	22	23	22	22	22	50	24	5	314
<b>Cumulative MOOE Budget</b>	54	77	100	122	144	168	190	212	234	285	309	314	
<b>% Cum Budget</b>	17%	24%	32%	39%	46%	53%	60%	68%	75%	91%	98%	100%	
<b>Mandatories</b>	5	5	5	5	5	5	5	5	5	5	5	5	63
<b>Impositions</b>										30	19		49
<b>Net Budget Allocation</b>	49	17	18	17	17	18	17	17	17	15	0	0	202
<b>Travel</b>	17	17	18	17	17	18	17	17	17	15			170
<b>APP</b>	32												32







# Operations

## MFO 2: Mining Regulation Services

### Mining Industry Development Program

A: Monitor/audit of approved mining contracts/permits  
 • A-1: SHES Program

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>	3	3	4	5	5	5	4	3	6	4			42
<b>% Accompl</b>										100%			
<b>Total MOOE Budget</b>	83	35	45	45	45	45	31	25	27	71	45	5	505
<b>Cumulative MOOE Budget</b>	83	119	164	209	254	300	331	356	383	455	500	505	
<b>% Cum Budget</b>	16%	23%	32%	41%	50%	59%	66%	71%	76%	90%	99%	100%	
<b>Mandatories</b>	5	5	5	5	5	5	5	5	5	5	5	5	63
<b>Impositions</b>										46	40		86
<b>Net Budget Allocation</b>	78	30	40	40	40	40	26	20	22	20	0	0	356
<b>Travel</b>	30	30	40	40	40	40	26	20	22	20			308
<b>APP</b>	48												48





# Operations

## MFO 2: Mining Regulation Services

### Mining Industry Development Program

**A: Monitor/audit of approved mining contracts/permits**

- A-1: Safety and Health Inspection
- A-2: Mine Wastes & Tailings Verification
- A-3: ME/EE Inspection

**B: Monitoring Report on Mining Forest Program**

**C: Multi-Partite Monitoring Team (MMT) operationalized**

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Target: A-1</b>	2	4	5	4	5	5	5	5	4				42
<b>Target: A-2</b>	2	2	2	2	2	2	2	2	2	2	2		22
<b>Target: A-3</b>	2	2	2	2	2	2	2	2	2	2	1		21
<b>Target: B</b>	1						1						2
<b>Target: C</b>	28												28
<b>% Accomplishment</b>										95%	100%		
<b>Total MOOE Budget</b>	233	226	50	50	50	50	52	40	36	138	117	0	1042
<b>Cumulative MOOE Budget</b>	233	459	509	559	609	659	711	751	787	925	1042	1042	
<b>% Cum Budget</b>	22%	44%	49%	54%	58%	63%	68%	72%	76%	89%	100%	100%	
<b>Mandatories</b>													0
<b>Impositions</b>										102	100		202
<b>Net Budget Allocation</b>	233	226	50	50	50	50	52	40	36	36	17	0	840
<b>Travel</b>	33	50	50	50	50	50	52	40	36	36	17		464
<b>APP</b>	200	176											376





- **A-1: Complaints/Conflicts filed with MGB**
- **A-2: Complaints/Cases/Conflicts with Panel of Arbitrators**
- **A-3: Quarterly Report of Panel of Arbitrators**

- B-1: Illegal Mining Sites with Cease and Desist Order (CDO) issued/ implemented
- B-2: Complaints/Charges filed with the Provincial/City Prosecutors Office

[illegible]



# GRAND TOTAL

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Total MOOE Budget</b>	3442	1378	4867	2774	806	1152	861	820	924	2387	1553	433	21396
Cumulative MOOE Budget	3442	4820	9687	12461	13267	14419	15280	16100	17024	19411	20964	21396	
% Cum Budget	16%	23%	45%	58%	62%	67%	71%	75%	80%	91%	98%	100%	
Mandatories	434	434	434	434	434	434	435	434	434	435	433	433	5208
Impositions	0	0	0	60	100	0	0	0	0	1566	1084	0	2810
Net Budget Allocation	3008	944	4433	2280	272	718	426	385	490	386	35	0	13378
Travel	173	340	387	503	272	347	426	385	490	386	35	0	3745
APP	2835	604	4046	1777	0	371	0	0	0	0	0	0	9633





# ANNEX C

Physical Accom.

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Released	% (Ampl. Released/ Allotment* 100)	Obligation		Disbursement		% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT								This Month	To Date	This Month	To Date	Obligation/ Allotment	Disbursement/ Obligation
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(18/12*100) (19)	(18/16*100) (20)
										GRAND TOTAL PS MOOE CAP OUTLAY									
A.01	GENERAL ADMINISTRATION AND SUPPORT SERVICES									Sub TOTAL PS MOOE CAP OUTLAY									
A.01.a	General Management and Supervision																		
A.01.a.1	Administrative Services																		
I.A.1.a	Management and Administrative Support Service	Reports submitted (no.)	12	1	12	1	12	100%	100%										
I.A.1.b	Housekeeping, Building and Ground Improvement Service	Reports submitted (no.)	12	1	12	1	12	100%	100%										
I.A.1.c	Human Resource Management Service	Reports submitted (no.)	12	1	12	1	12	100%	100%										
I.A.1.d	Solid Waste Management Service	Solid waste management plan implemented (no.)	12	1	12	1	12	100%	100%										
I.A.1.e	Implementation of Government Procurement	Reports submitted (no.)	12	1	12	1	12	100%	100%										
I.A.1.f	Cashiering	Report of checks issued (no.)	12	1	12	1	12	100%	100%										
		Paid Payrolls and checks prepared (no.)	12	1	12	1	12	100%	100%										
		Advice of checks issued and cancelled (no.)	12	1	12	1	12	100%	100%										
		Report of remittance of collections and deposits to Treasury (no.)	12	1	12	1	12	100%	100%										
A.01.b	Financial Management Services																		
I.A.2.a	Budget Proposals																		
I.A.2.a.1	Forward Estimates	Forward Estimates submitted (no.)	4	1	4	1	4	100%	100%										
I.A.2.a.2	Budget Proposal and Report Forms	Proposed budget reports submitted (no.) (DBM)	1	0	1	0	1	# DIV/OI	100%										
I.A.2.a.3	Proposals to Senate/Congress	Proposed budget submitted based on NEP (no.)	1	0	0	0	1	# DIV/OI	100%										
I.A.2.b	Budget Execution Program	Disbursement program and ABM for CO and Regional Offices reports (no.)	12	1	12	1	12	100%	100%										
I.A.2.b.2	Financial Plan	Financial Plan for CO and Regional Offices reports (no.)	1					# DIV/OI	0%										
I.A.2.b.2	Monthly Estimate of Income	Monthly Estimate of Income submitted (no.)	12	1	12	1	12	100%	100%										
I.A.2.c.1	Budget Reports																		
		Monthly budget reports (no.)	60	5	60	5	60	100%	100%										
		Quarterly budget reports (no.)	12	3	12	3	12	100%	100%										
		Annual budget reports (no.)																	
I.A.2.c.2	Accounting Reports	Financial Accountability Reports:																	
		Financial Accountability Reports:																	
		Weekly Financial Performance Report (no.)						# DIV/OI	# DIV/OI										
		Monthly Financial Accountability Reports (no.)	36	3	36	3	36	100%	100%										
		Quarterly Financial Accountability Reports (no.)	12	3	12	3	12	100%	100%										
		Annual Financial Accountability Reports (no.)	1																
		Monthly financial reports (no.)	108	9	108	9	108	100%	100%										
		Updated Subsidiary Ledgers (no.)																	
		Quarterly Schedules (no.)	24		24		24	# DIV/OI	100%										
		Quarterly Financial Statements (no.)	12		12		12	# DIV/OI	100%										
		Annual Schedules/Reports (no.)	14		14		14	# DIV/OI	100%										
		Annual Financial Statements (no.)	8		8		8	# DIV/OI	100%										
I.A.2.c.3	Cashiering	Report of checks issued (no.)	12	1	12	1	12	100%	100%										
		Paid payrolls and checks prepared (no.)	12	1	12	1	12	100%	100%										
		Advice of checks issued and cancelled (no.)	12	1	12	1	12	100%	100%										
		Report of remittance of collections and deposits	12	1	12	1	12	100%	100%										

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Released	% (Amt. Released/ Allotment* 100)	Obligation		Disbursement		% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT								This Month	To Date	This Month	To Date	Obligation/ Allotment (18/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		to Treasury (no.)																	
		Report of revenue collection (no.)	12	1	12	1	12	100%	100%										
A.01.c	Planning and Policy Formulation																		
I.A.3.a	Preparation/Endorsement of Plans and Programs	Work and financial plan finalized (no.)	1	0	0	0	0												
		Proposed budget submitted (no.)	1	0	0	0	0												
I.A.3.b	Program Monitoring and Evaluation	Consolidated monthly physical accomplishment reports submitted (no.)	12	1	12	1	12	100%	100%										
		Validation reports submitted (no.)	4	1	4	1	4												
		Semi-Annual/Annual report prepared (no.)	2		2		2	#DIV/0!	100%										
I.B	Human Resource Development																		
I.B.1	Human Resource Development Service																		
I.B.1.a	Management of Training and Career Development	Reports prepared (no.)						#DIV/0!	#DIV/0!										
I.B.1.b	Youth Programs and Projects	Youth related activities coordinated/ participated/ attended (no.)						#DIV/0!	#DIV/0!										
A.03	OPERATIONS																		
MFO 1: MINERAL RESOURCE DEVELOPMENT SERVICES										Sub TOTAL									
										PS									
										MOOE									
										CAP OUTLAY									
	Quantity:	number of new mineral reservation areas assessed/endorsed for declaration	n/a																
	Quality:	percentage of area surveyed that is identified as mineral reservation	n/a																
	Quality:	percentage of stakeholders who rate the quality of MGB mineral reservation maps as good or better	n/a																
	Quality:	percentage increase in Peso value for royalty payments collected	n/a																
A.03.a	Mineral Resource Seivces																		
A.03.a.1	Communication Plan for Minerals Development																		
A.03.a.1.a	Conduct Awareness	Stakeholder's forum (no.)																	
4	Mineral Resources and Geosciences (MRGS)	1) Dialogues with Sangguniang Panlalawigan/Bayan/Panlungsod/ Barangay	5	0	0	0	6	#DIV/0!	120%										
		2) Dialogues with other groups (Religious groups, CSO, academe,etc.)	12	1	0	0	27	0%	225%										
		Radio/TV guestings (no.)	12	1	0	0	20	0%	167%										
		Press releases/photo releases/feature stories (no.)	12	1	0	0	14	0%	117%										
A.03.a.1.b	Capacity Building on MRGS laws, rules and regulations	Workshops/training conducted/coordinated participated on: (no.)																	
11		For MGB personnel to attend (no.)	6	0	0	0	18	#DIV/0!	300%										
2)		b) For LGUs and other stakeholders (no.)	3	0	0	0	3	#DIV/0!	100%										
3)		For Small Scale Miners (no.)	2	0	0	0	2	#DIV/0!	100%										
A.03.a.1.c	Generate/Publish/ Disseminate Information & IEC Materials																		
		Website establised/ maintained (no.)	1	0	0	0	1	#DIV/0!	100%										
		Articles issued (no.)	24	2	0	0	24	0%	100%										



Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Released	% (Amt. Released/ Allotment* 100)	Obligation		Disbursement		% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT								This Month	To Date	This Month	To Date	Obligation/ Allotment (18/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
A.03.a.1.d	National Linkages	IEC materials produced no.]	4	0	0	0	4	# DIV/0!	100%										
		IEC materials reproduced/distributed (no.)	100	0	0	0	101	# DIV/0!	101%										
		Statistics reports submitted to MGBCO (no.)	32	0	0	0	32	# DIV/0!	100%										
		Maps/Map Info Database submitted to MGBCO (no.)	24	2	2	2	24	100%	100%										
		MRGS reports submitted to MGBCO (no.)	35	2	2	2	35	100%	100%										
		Linkages coordinated (no.)	12	1	0	0	24	0%	200%										
Establishment of Mineral Reservations per EO No. 79																			
A.03.a.2 National Mineral Reservation Program																			
A.03.a.2.a	Management of Existing Mineral Reservations	(CENTRAL OFFICE)																	
A.03.a.2.b	Establishment of New Mineral Reservations	Area assessed/endorsed for declaration (no.)																	
A.03.b GEOSCIENCES DEVELOPMENT SERVICES																			
A.03.b.1 Geohazard Survey and Assessment																			
A.03.b.1.a. Identification and Mapping of Critical Land Areas																			
A.03.b.1.a.1 Vulnerability and Risk Assessment (VRA)																			
			12	0	12	0	12	# DIV/0!	100%										
			12	0	12	8	12	# DIV/0!	100%										
A.03.b.1.a.2 Updating of 1:10,000 Scale geohazard maps as a result of changes due to natural calamities																			
			1	0	0	0	1	# DIV/0!	100%										
			1	0	0	0	1	# DIV/0!	100%										
A.03.b.1.a.3 Detailed Sub-surface Assessment																			
			0	0	0	0	0	# DIV/0!	# DIV/0!										
			0	0	0	0	0	# DIV/0!	# DIV/0!										
Production of Geohazard/VRA Maps			0	0	0	0	0	# DIV/0!	# DIV/0!										
Geohazard/VRA Maps Prepared (no.)																			

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL								Expense Class	Allotment	Released	% (Amt. Released/ Allotment* 100)	Obligation		Disbursement		% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT									This Month	To Date	This Month	To Date	Obligation/ Allotment (18/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)											
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
A.03.b.1.a.4	Geohazard IEC Materials Dissemination																			
		Maps printed/ disseminated (no.)	0	0	0	1904	4269	#DIV/0!	#DIV/0!											
		Posters disseminated (no.)	1000	10	1000	0	227	0%	23%	NOTE: Despite of several requests, MGB C.O. failed to provide us posters for dissemination, thus, we only accomplished 23% as to the annual target.										
		VCDs disseminated (no.)	60	5	60	0	362	0%	603%											
		Pamphlets/Flyers disseminated (no.)	500	5	500	394	1998	7880%	400%											
		Signages/Billboards installed (no.)	2	1	2	1	2	100%	100%											
		Quorangle Geohazard Maps uploaded in the website (no.)	73	13	73	0	405	0%	555%											
		Tri-Media (no.)	4	0	4	4	6	#DIV/0!	150%											
A.03.b.1.a.5	Capacity Building	Training/workshops/seminars conducted/attended/ organized coordinated (no.)																		
		Training/seminars for MGB technical personnel (no.)	8	0	8	10	13	#DIV/0!	163%											
A.03.b.1.a.6	Conduct of IEC to LGUs	a) Seminars/Workshops conducted for LGU's (Barangay) (no.)	1313	0	1313	2	964	#DIV/0!	73%	NOTE: Total No. of Brgys in Caraga: 1,311 (figure from MGB C.O.) 2015 IEC Accomplishment: 643 Remaining Brgys for IEC in Caraga for 2016 : 668 Brgys in Leyte for IEC to be conducted by MGB 13: 296  Actual Total No. of Brgys for IEC as target for 2016: 964 MGB 13 Actual Annual Accom: 964 % as to the Actual Target: 100%										
		b) Lectures presented (no.)	5	0	5	10	10	#DIV/0!	200%											
		c) Advisories issued (no.)	5	0	5	6	6	#DIV/0!	120%											
		d) Activity/exit reports issued (no.)	13	0	13	13	13	#DIV/0!	100%											
A.03.b.1.a.7	Geohazards Operations Center	Geohazards Operation Center Maintained (no.)	1	0	1	0	1	#DIV/0!	100%											
		Advisories re-issued (no.)	36	0	36	39	39	#DIV/0!	108%											
		Incident/flash reports prepared (no.)	1	0	0	1	1	#DIV/0!	100%											
		PDRA meetings attended (no.)	1	0	0	1	1	#DIV/0!	100%											
A.03.b.1.b.	Coastal Geohazard and impact of Climate Change																			
A.03.b.1.b.1	Field Mapping and Survey (1:10,000 Scale)  Production of Coastal Geohazara	LGUs assessed.																		
		a) Municipality (no.)	9	0	9	0	9	#DIV/0!	100%											
		b) Reports prepared (no.)	9	0	9	5	9	#DIV/0!	100%											
		Coastal Geohazard/VRA Maps prepared (no.)	9	0	9	5	9	#DIV/0!	100%											
		Advisories issued (no.)	27	0	27	32	48	#DIV/0!	178%											
A.03.b.2	Geological Mapping	Activity/exit report (no.)	9	0	9	5	9	#DIV/0!	100%											

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Released	% (Amt. Released/ Allotment* 100)	Obligation		Disbursement		% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT								This Month	To Date	This Month	To Date	Obligation/ Allotment	Disbursement/ Obligation
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19) (18/12*100)	(20) (18/16*100)
A.03.b.2.a	Quadrangle Geological Mapping and Surveys (Land & Coastal Zones)	Areas surveyed (has.)	2	0	2	0	2	# DIV/0!	100%										
		Geologic Reports with Map prepared (no.)	2	0	0	0	2	# DIV/0!	100%										
A.03.b.2.b	Mineral Resources Inventory	Provincial Resource Maps updated and submitted to MGB-CO	0	0	0	0	0												
A.03.b.2.c	Laboratory Services	Samples analyzed (no.)	1500	50	1500	68	1129	136%	75%	NOTE:	Fumehood scrubber is still under installation/ commissioning stage								
		Determinations made (no.)	40000	1400	40000	1490	45170	106%	113%										
A.03.b.3. Groundwater Resources Assessment																			
A.03.b.3.a	Groundwater Resource Assessment	Province assessed/Covered (no.)	1	0	1	0	1	# DIV/0!	100%										
		Hydrogeologic reports with 1:250,000 groundwater availability map (no.)	1	0	1	1	1	# DIV/0!	100%										
A.03.b.4 Miscellaneous Geological Services																			
A.03.b.4.a	Technical Assistance Provided (GIR/GVR/EGGAR/SLF)	1) Investigation/Inspection Reports prepared (no.)	10	0	10	0	13	# DIV/0!	130%										
		2) Clients served (no.)	400	30	400	69	414	230%	104%										
MFO 2: MINING REGULATION SERVICES										Sub TOTAL PS MOOE CAP OUTLAY									
A.03.c Mineral Lands Administration																			
A.03.c	Mineral Lands Administration	Pt 1 Permit Issuance																	
		Quantity:																	
		Timeliness:																	
A.03.c.1 Mineral Investment Promotion Program																			
A.03.c.1.a Issuance of mining contracts/permits including areas within mineral																			
A.03.c.1.a.1	Issuance of Permits/Contracts	Issued/endorsed mining rights/contracts/permits (no.)	0																
		a.) Agreements/Contracts/ Permits (FTAA,MPSA,EP, ISAGP, MPP)	0																
		b. Ore Transport Permit (OTP)/Certification	999	53	999	33	1029	62%	103%										

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Released	% (Amt. Released/ Allotment* 100)	Obligation		Disbursement		% Budget Utilization Rate (BUR)		
			TARGET			ACCOMPLISHMENT								This Month	To Date	This Month	To Date	Obligation/ Allotment (18/12*100)	Disbursement/ Obligation (18/16*100)	
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)											
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
A.03.c.1.a.2	Use It or Lose It Policy Review of the performance of existing mining operations per EO no. 79	OTP	599	30	599	12	739	40%	123%											
		Certifications	400	23	400	21	290	91%	73%											
		c. Others (Accreditations, CEMCRR/CoE, DMPP for RO-issued MPP)	16	0	16	0	35	#DIV/0!	219%											
		Accreditations	15	0	15	0	26	#DIV/0!	173%											
		CEMCRR	1	0	1	0	2	#DIV/0!	200%											
		CoE	0	0	0	0	7	#DIV/0!	#DIV/0!											
		DMPP	0	0	0	0	0	#DIV/0!	#DIV/0!											
		d. Mineral Ore Export Permit (MOEP) issued/validated	437	8	437	6	681	75%	156%											
		MOEP Issued (no.)	437	8	437	6	681	75%	156%											
		MOEP Validated (no>)	0																	
	Approval of SHES Programs	(a) Mining applications with final action (no.)	10	0	10	1	10	#DIV/0!	100%											
		(b) Mining Permits/ Contracts reviewed/ endorsed for Cancellation (no.)	80	0	80	8	80	#DIV/0!	100%											
		EPEP/FMRDP/PEIR endorsed to MRFC (no.)	0	0	0	0	2													
		Annual EPEP approved (no.)	28	0	28	0	22	#DIV/0!	79%											
		SDMP/CDP approved (no.)	2	0	2	0	10	#DIV/0!	500%											
		Annual SDMP approved (no.)	28	0	28	0	25	#DIV/0!	89%											
Measures to improve Small-Scale Mining per EO 79	Assistance to P/CMRB LGUs/other Stakeholders	Annual Safety and Health Programs approved (no.)	80	0	80	0	70	#DIV/0!	88%											
		Environmental Work Program endorsed to MMD (no.)	2	0	2	0	2	#DIV/0!	100%											
		NGP Monitoring Reports Submitted (no.)	4	1	4	0	4	0%	100%											
		Provinces Inventoried for Small Scale Mining Sites (no.)	5	0	5	0	5	#DIV/0!	100%											
		Minahang Bayan Sites Identified (no.)	1	0	1	0	1	#DIV/0!	100%											
		Minahang Bayan Sites endorsed to DENR through MGBCO (no.)	1	0	1	0	1	#DIV/0!	100%											

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Released	% (Aml. Released/ Allotment* 100)	Obligation		Disbursement		% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT								This Month	To Date	This Month	To Date	Obligation/ Allotment (18/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		P/CMRBs operationalized (no.)	6	0	6	0	6	#DIV/0!	100%										
		P/CMRBs Reconstituted (no.)																	
		Meetings Conducted/Participated (no.)	24	0	24	0	27	#DIV/0!	113%										
		P/CMRB Regional Consultations Conducted (no.)	1	0	1	0	1	#DIV/0!	100%										
PI 2 Monitoring																			
A.03.c.2 Mining Industry Development Program	Quantity:	number of sites and facilities monitored and/or inspected with reports issued																	
	Quality:	percentage of agreements with one or more violations over the last 3 years																	
	Timeliness:	percentage of sites that have been inspected more than twice in the last 2 years																	
A.03.c.2.a Mining Industry																			
Full Enforcement of Env'tl Standan in Mining Operations pursuant to		Monitor/audit of approved mining contracts/permits including areas within mineral reservations as to compliance to the implementation of approved Work Program and Safety, Health, Environment and Socials Programs																	
		Permit areas/projects monitored																	
	(1)	Work Program	50	0	50	0	50	#DIV/0!	100%										
	(2.a)	Safety, Health, Environment and Socials Programs (No. of Permits/Contracts)	14	0	14	0	44	#DIV/0!	314%										

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL								Expense Class	Allotment	Released	% (Amt. Released/ Allotment* 100)	Obligation		Disbursement		% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT									This Month	To Date	This Month	To Date	Obligation/ Allotment	Disbursement/ Obligation
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)											
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
A.03.c.2.b	Strengthen Multi-Partite Monitoring System	Safety, Health, Environment and Socials Programs (No. of Monitoring)	42	0	42	0	44	#DIV/OI	105%											
		Monitoring Report on Mining Forest Program (no.)	2	1	2	0	2	0%	100%											
		Multi-partite Monitoring Teams (MMT) of mining projects with permits issued by MGB Operationalized (no.)	30	0	30	0	36	#DIV/OI	120%											
	A.03.c.3	Mine Rehabilitation Program																		
	a. Bagacay Mine area	Rehabilitation/Mitigating Measures plan prepared/ implemented(no.)																		
	b. Risk Assessment of other Abandoned/Inactive minina areas/sites Conducted (no.)	Rehabilitation/Mitigating Measures plan prepared/implemented (no.)																		
	c. Marcopper	Monitoring Report Submitted (no.) Region IV-B																		
A.03.c.4	Pl 3 Enforcement																			
	Timeliness:	number of violations or complaints acted upon with reports issued																		
		percentage of submitted reports that resulted in the issuance of notice of violations and penalties imposed																		
		percentage of complaints or detected violations that are acted upon earlier than the prescribed period																		
		Number of Complaints/Cases/conflicts investigated/resolved (no.)																		
		(1.) MGB	10	0	10	0	13	#DIV/OI	130%											
		(2.a) Panel of Arbitrators	1	0	1	0	2	#DIV/OI	200%											
		(2.b) Quarterly Accomplishment/Inventory Report of the Panel of Arbitrators (no.)	4	1	4	0	4	0%	100%											
A.03.c.5	Resolution of Complaints/Cases / Conflicts	(3.) Complaints/Charges filed with the Provincial/City Prosecutors office (no.)	3	1	3	2	3	200%	100%											
	Anti-Ilegal Minina	Illegal mining sites with Ceased and Deceased Order (CDO) issued/ implemented (no.)	3	0	3	1	3	#DIV/OI	100%	NOTE:	1. MGB XIII vs Jose Silao filed on 12/28/16 2. MGB XIII vs Jehu Caganaan filed on 12/28/16 CDO issued to Jose Silao dated 12/13/16									

Prepared by:

**CARL ORVEN C. ELUDO**  
AO III/Planning Officer-designate

**RHODORA B. TAN**  
Budget Officer II

**ROGER A DE DIOS**  
Regional Director



# ANNEX D

Form 1



Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement			% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date		Obligation/ Allotment	Disbursement/ Obligation
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month)  (8/6*100)	% Accom (To Date)  (9/5*100)									
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)
										GRAND TOTAL	50,566,545.68	4,586,852.94	48,359,667.37	9,927,667.55	47,059,204.37	2,206,878.31	96%	97%
										PS	24,765,545.68	1,894,185.60	24,751,630.78	4,375,457.21	24,751,630.78	13,914.90	100%	100%
										MOOE	25,611,000.00	2,692,667.34	23,428,706.59	5,552,210.34	22,128,243.59	2,182,293.41	91%	94%
										CAP OUTLAY	190,000.00	-	179,330.00	-	179,330.00	10,670.00	94%	100%
A.01	GENERAL ADMINISTRATION AND SUPPORT SERVICES									Sub TOTAL	17,708,545.68	2,006,315.90	17,695,945.57	4,487,587.51	17,695,945.57	12,600.11	100%	100%
										PS	14,567,040.68	1,774,685.60	14,565,452.45	4,255,957.21	14,565,452.45	1,588.23	100%	100%
										MOOE	2,951,505.00	231,630.30	2,951,163.12	231,630.30	2,951,163.12	341.88	100%	100%
										CAP OUTLAY	190,000.00		179,330.00	-	179,330.00	10,670.00		
A.01.a	General Management and Supervision																	
A.01.a.1	Administrative Services										1,276,505.00	186,077.46	1,276,505.00	186,077.46	1,276,505.00	100%		100%
I.A.1.a	Management and Administrative Support Service Housekeeping, Building and Ground Improvement Service Human Resource Management Service Solid Waste Management Service Implementation of Government Procurement Cashering	Reports submitted (no.)	12	1	12	1	12	100%	100%									
I.A.1.b		Reports submitted (no.)	12	1	12	1	12	100%	100%									
I.A.1.c		Reports submitted (no.)	12	1	12	1	12	100%	100%									
I.A.1.d		Solid waste management plan implemented (no.)	12	1	12	1	12	100%	100%									
I.A.1.e		Reports submitted (no.)	12	1	12	1	12	100%	100%									
I.A.1.f		Report of checks issued (no.)	12	1	12	1	12	100%	100%									
		Paid Payrolls and checks prepared (no)	12	1	12	1	12	100%	100%									
		Advice of checks issued and cancelled (no.)	12	1	12	1	12	100%	100%									
		Report of remittance of collections and deposits to Treasury (no.)	12	1	12	1	12	100%	100%									
A.01.b	Financial Management Services										900,000.00	45,552.84	900,000.00	45,552.84	900,000.00		100%	100%
I.A.2.a	Budget Proposals																	
I.A.2.a.1)	Forward Estimates	Forward Estimates submitted (no.)	4	1	4	1	4	100%	100%									
I.A.2.a.2)	Budget Proposal and Report Forms	Proposed budget reports submitted (no.) (DBM)	1	0	1	0	1	#DIV/0!	100%									
I.A.2.a.3)	Proposals to Senate/Congress	Proposed budget submitted based on NEP (no.)																
I.A.2.b	Budget Execution		1	0	0	0	1	#DIV/0!	100%									
I.A.2.b.1)	Disbursement Program	Disbursement program and ABM for CO and Regional Offices reports (no.)	12	1	12	1	12	100%	100%									
I.A.2.b.2)	Financial Plan	Financial Plan for CO and Regional Offices reports (no.)	1					#DIV/0!	0%									
I.A.2.b.2)	Monthly Estimate of Income	Monthly Estimate of Income submitted (no.)	12	1	12	1	12	100%	100%									

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement			% Budget Utilization Rate (BUR)		
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date			Obligation/ Allotment  (16/12*100)	Disbursement/ Obligation  (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month)  (8/6*100)	% Accom (To Date)  (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)	
A.01.c	I.A.2.c.1) Budget Reports																		
		Monthly budget reports (no.)	60	5	60	5	60	100%	100%										
		Quarterly budget reports (no.)	12	3	12	3	12	100%	100%										
		Annual budget reports (no.)																	
	I.A.2.c.2) Accounting Report	Financial Accountability Reports:																	
		Financial Accountability Reports:																	
		Weekly Financial Performance Report (no.)							#DIV/0!	#DIV/0!									
		Monthly Financial Accountability Reports (no.)	36	3	36	3	36	100%	100%										
		Quarterly Financial Accountability Reports (no.)	12	3	12	3	12	100%	100%										
		Annual Financial Accountability Reports (no.)	1																
		Monthly financial reports (no.)	108	9	108	9	108	100%	100%										
		Updated Subsidiary Ledgers (no.)																	
		Quarterly Schedules (no.)	24		24		24	#DIV/0!	100%										
		Quarterly Financial Statements (no.)	12		12		12	#DIV/0!	100%										
	I.A.2.c.3) Cashiering	Annual Schedules/Reports (no.)	14		14		14	#DIV/0!	100%										
		Annual Financial Statements (no.)	8		8		8	#DIV/0!	100%										
		Report of checks issued (no.)	12	1	12	1	12	100%	100%										
		Paid payrolls and checks prepared (no.)	12	1	12	1	12	100%	100%										
		Advice of checks issued and cancelled (no.)	12	1	12	1	12	100%	100%										
		Report of remittance of collections and deposits to Treasury (no.)	12	1	12	1	12	100%	100%										
		Report of revenue collection (no.)	12	1	12	1	12	100%	100%										
A.01.c	Planning and Policy Formulation									775,000.00	-	774,658.12	-	774,658.12	341.88	100%	100%		
I.A.3.a	Preparation/Endorsement of Plans and Programs	Work and financial plan finalized (no.)	1	0	0	0	0												
		Proposed budget submitted (no.)	1	0	0	0	0												
I.A.3.b	Program Monitoring and Evaluation	Consolidated monthly physical accomplishment reports submitted (no.)	12	1	12	1	12	100%	100%										
		Validation reports submitted (no.)	4	1	4	1	4												
		Semi-Annual/Annual report prepared (no.)	2		2		2	#DIV/0!	100%										
I.B	Human Resource Development																		
I.B.1	Human Resource Development Service																		
I.B.1.a	Management of Training and Career Development Proarams	Reports prepared (no.)						#DIV/0!	#DIV/0!										
I.B.1.b	Youth Programs and Projects	Youth related activities coordinated/ participated/ attended (no.)						#DIV/0!	#DIV/0!										

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement		%		% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date		Obligation/ Allotment	Disbursement/ Obligation	
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)	
A.03 OPERATIONS										Sub TOTAL PS MOOE CAP OUTLAY 231,000.00									
MFO 1: MINERAL RESOURCE DEVELOPMENT SERVICES											22,299,000.00	2,011,001.77	20,421,162.05	5,096,269.77	19,120,699.05	1,877,837.95	92%	94%	
											3,498,218.00	54,500.00	3,493,218.00	54,500.00	3,493,218.00	5,000.00	100%	100%	
											18,800,782.00	1,956,501.77	16,927,944.05	5,041,769.77	15,627,481.05	1,872,837.95	90%	92%	
											-	-	-	-	-	-	#DIV/0!		#DIV/0!
	Quantity:	number of new mineral reservation areas assessed/endorsed for declaration	n/a																
	Quality:	percentage of area surveyed that is identified as mineral reservation	n/a																
	Quality:	percentage of stakeholders who rate the quality of MGB mineral reservation maps as good or better	n/a																
	Quality:	percentage increase in Peso value for royalty payments collected	n/a																
A.03.a Mineral Resource Sevicees																			
A.03.a.1 Communication Plan for Minerals Development																			
A.03.a.1.a Conduct Awareness 4 Mineral Resurces and Geosciences (MRGS)		Stakeholder's forum (no.)																	
		1) Dialogues with Sangguniang Panlalawigan/Bayan/Panlungsod/ Barangay	5	0	0	0	6	#DIV/0!	120%		192,000.00	477,740.82	192,000.00	477,740.82	192,000.00	-	100%	100%	
		2) Dialogues with other groups (Religious groups, CSO, academe,etc.)	12	1	0	0	27	0%	225%		128,172.84	1,440.00	128,172.84	1,440.00	128,172.84	-	100%	100%	
		Radio/TV guestings (no.)	12	1	0	0	20	0%	167%										
		Press releases/photo releases/feature stories (no.)	12	1	0	0	14	0%	117%		93,963.00	-	93,963.00	-	93,963.00	-	100%	100%	
A.03.a.1.b Capacity Building on MRGS laws, rules and regulations 1)		Workshops/training conducted/coordinated participated on: (no.)																	
		For MGB personnel to attend (no.)	6	0	0	0	18	#DIV/0!	300%		546,394.16	-	546,394.16	-	546,394.16	-	100%	100%	
	2)	b) For LGUs and other stakeholders (no.)	3	0	0	0	3	#DIV/0!	100%		36,000.00	-	36,000.00	-	36,000.00	-	100%	100%	
	3)	For Small Scale Miners (no.)	2	0	0	0	2	#DIV/0!	100%										
A.03.a.1.c Generate/Publish/ Disseminate Information & IEC Materials																			
		Website establised/ maintained (no.)	1	0	0	0	1	#DIV/0!	100%										
		Articles Issued (no.)	24	2	0	0	24	0%	100%										

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement				% Budget Utilization Rate (BUR)	
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date			Obligation/ Allotment (16/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)			(19)	(20)
A.03.a.1.d	National Linkages	IEC materials produced no.)	4	0	0	0	4	#DIV/0!	100%										
		IEC materials reproduced/distributed (no.)	100	0	0	0	101	#DIV/0!	101%										
		Statistics reports submitted to MGBCO (no.)	32	0	0	0	32	#DIV/0!	100%										
		Maps/Map Info Database submitted to MGBCO (no.)	24	2	2	2	24	100%	100%										
		MRGS reports submitted to MGBCO (no.)	35	2	2	2	35	100%	100%										
		Linkages coordinated (no.)	12	1	0	0	24	0%	200%		143,000.00	-	125,420.00	-	125,420.00	17,580.00	88%	100%	
Establishment of Mineral Reservations per EO No. 79																			
A.03.a.2 National Mineral Reservation Program																			
A.03.a.2.a	Management of Existing Mineral Reservations	(CENTRAL OFFICE)																	
A.03.a.2.b	Establishment of New Mineral Reservations	Area assessed/endorsed for declaration (no.)									284,000.00	101,200.00	264,000.00	101,200.00	264,000.00	20,000.00	93%	100%	
A.03.b GEOSCIENCES DEVELOPMENT SERVICES																			
A.03.b.1 Geohazard Survey and Assessment																			
A.03.b.1.a. Identification and Mapping of Critical Land Areas			LGUs assessed -																
A.03.b.1.a.1	Vulnerability and Risk Assessment (VRA)	a) Municipality/Cities assessed (no.)	12	0	12	0	12	#DIV/0!	100%		6,398,252.00	1,307,340.95	5,421,580.54	3,415,937.49	4,321,868.53	976,671.46	85%	80%	
		b) Geohazard Report prepared (no.)	12	0	12	8	12	#DIV/0!	100%										
A.03.b.1.a.2	Updating of 1:10,000 Scale geohazard maps as a result of changes due to natural calamities	a) Municipality/Cities assessed (no.)	1	0	0	0	1	#DIV/0!	100%		250,000.00		237,645.44		127,997.95	12,354.56	95%	54%	
		b) Geohazard Report prepared (no.)	1	0	0	0	1	#DIV/0!	100%										
A.03.b.1.a.3	Detailed Sub-surface Assessment	a) Municipality/Cities assessed (no.)	0	0	0	0	0	#DIV/0!	#DIV/0!										
		b) Geohazard Report prepared (no.)	0	0	0	0	0	#DIV/0!	#DIV/0!										
	Production of Geohazard/VRA Maps	Geohazard/VRA Maps Prepared (no.)	0	0	0	0	0	#DIV/0!	#DIV/0!										

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement			% Budget Utilization Rate (BUR)		
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date			Obligation/ Allotment (16/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)	
A.03.b.1.a.4	Geohazard IEC Materials Dissemination																		
		Maps printed/ disseminated (no.)	0	0	0	1904	4269	#DIV/0!	#DIV/0!										
		Posters disseminated (no.)	1000	10	1000	0	227	0%	23%										
		VCDs disseminated (no.)	60	5	60	0	362	0%	603%										
		Pamphlets/Flyers disseminated (no.)	500	5	500	394	1998	7880%	400%										
		Signages/Billboards installed (no.)	2	1	2	1	2	100%	100%										
		Quarangle Geohazard Maps uploaded in the website (no.)	73	13	73	0	405	0%	555%										
		Tri-Media (no.)	4	0	4	4	6	#DIV/0!	150%										
	A.03.b.1.a.5	Capacity Building		Training/workshops/seminars conducted/attended/organized coordinated (no.)															
		Training/seminars for MGB technical personnel (no.)	8	0	8	10	13	#DIV/0!	163%										
A.03.b.1.a.6	Conduct of IEC to LGUs	a) Seminars/Workshops conducted for LGU's (Barangay) (no.)	964	0	964	2	964	#DIV/0!	100%		6.161.000.00	68,780.00	5,314,768.07	1,045,451.46	5,223,664.57	846,231.93	86%	98%	
		b) Lectures presented (no.)	5	0	5	10	10	#DIV/0!	200%										
		c) Advisories issued (no.)	5	0	5	6	6	#DIV/0!	120%										
		d) Activity/exit reports issued (no.)	13	0	13	13	13	#DIV/0!	100%										
	A.03.b.1.a.7	Geohazards Operations Center		Geohazards Operation Center Maintained (no.)		1	0	1	0	1	#DIV/0!	100%							
		Advisories re-issued (no.)		36	0	36	39	39	#DIV/0!	108%									
		Incident/flash reports prepared (no.)		1	0	0	1	1	#DIV/0!	100%									
		PDRA meetings attended (no.)		1	0	0	1	1	#DIV/0!	100%									
	A.03.b.1.b.	Coastal Geohazard and Impact of Climate Change		LGUs assessed.															
		A.03.b.1.b.1	Field Mapping and Survey (1:10,000 Scale)	a) Municipality (no.)	9	0	9	0	9	#DIV/0!	100%		1,115,000.00	-	1,115,000.00	-	1,115,000.00	-	100%
b) Reports prepared (no.)			9	0	9	5	9	#DIV/0!	100%										
Production of Coastal Geohazard ...		Coastal Geohazard/VRA Maps prepared (no.)	9	0	9	5	9	#DIV/0!	100%										
		Advisories issued (no.)	27	0	27	32	48	#DIV/0!	178%										
		Activity/exit report (no.)	9	0	9	5	9	#DIV/0!	100%										
A.03.b.2 Geological Mapping																			

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement			% Budget Utilization Rate (BUR)			
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date		Obligation/ Allotment  (16/12*100)	Disbursement/ Obligation  (18/16*100)		
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month)  (8/6*100)	% Accom (To Date)  (9/5*100)											
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)		
A.03.b.2.a	Quadrangle Geological Mapping and Surveys (Land & Coastal Zones)	Areas surveyed (has.)	2	0	2	0	2	#DIV/0!	100%		1,499,000.00	-	1,499,000.00	-	1,499,000.00	-	100%	100%		
		Geologic Reports with Map prepared (no.)	2	0	0	0	2	#DIV/0!	100%											
A.03.b.2.b Mineral Resources Inventory																				
A.03.b.2.c	Laboratory Services	Provincial Resource Maps updated and submitted to MGB-CO	0	0	0	0	0													
		Samples analyzed (no.)	1500	50	1500	68	1129	136%	75%		851,000.00	-	851,000.00	-	851,000.00	-	100%	100%		
		Determinations made (no.)	40000	1400	40000	1490	45170	106%	113%											
A.03.b.3. Groundwater Resources Assessment																				
A.03.b.3.a	Groundwater Resource Assessment	Province assessed/Covered (no.)	1	0	1	0	1	#DIV/0!	100%		1,103,000.00	-	1,103,000.00	-	1,103,000.00	-	100%	100%		
		Hydrogeologic reports with 1:250,000 groundwater availability map (no.)	1	0	1	1	1	#DIV/0!	100%											
A.03.b.4 Miscellaneous Geological Services																				
A.03.b.4.a	Technical Assistance Provided (GIR/GVR/EGGAR/SLF)	1) Investigation/Inspection Reports prepared (no.)	10	0	10	0	13	#DIV/0!	130%											
		2) Clients served (no.)	400	30	400	69	414	230%	104%											
MFO 2: MINING REGULATION SERVICES										Sub TOTAL	10,559,000.00	569,535.27	10,242,559.75	343,810.27	10,242,559.75	316,440.25	97%	100%		
A.03.c	Mineral Lands Administration	PI 1 Permit Issuance	Quantity:	number of mining permits/contracts issued and agreements endorsed for approval							PS	6,700,287.00	65,000.00	6,692,960.33	65,000.00	6,692,960.33	7,326.67	100%	100%	
											MOOE	3,858,713.00	504,535.27	3,549,599.42	278,810.27	3,549,599.42	309,113.58	92%	100%	
		Timeliness:	percentage of agreements entered into within 4 months from tendering									CAP OUTLAY						#DIV/0!	#DIV/0!	
		A.03.c.1 Mineral Investment Promotion Program																		
		A.03.c.1.a Issuance of mining contracts/permits including areas within mineral																		
A.03.c.1.a.1	Issuance of Permits/Contracts	Issued/endorsed mining rights/contracts/permits (no.)	0																	
		a.) Agreements/Contracts/ Permits (FTAA,MPSA,EP, ISAGP, MPP)	0								62,000.00	225,725.00	62,000.00	-	62,000.00	-	100%	100%		
		b. Ore Transport Permit (OTP)/Certification	999	53	999	33	1029	62%	103%											

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement			% Budget Utilization Rate (BUR)		
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date			Obligation/ Allotment (16/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)	
A.03.c.1.a.2 Use It or Lose It Policy  Review of the performance of existing mining operations per EO no. 79  A.03.c.1.a.3 Approval of SHES Programs		OTP	599	30	599	12	739	40%	123%										
		Certifications	400	23	400	21	290	91%	73%										
		c. Others (Accreditations, CEMCRR/CoE, DMPF for RO-issued MPP)	16	0	16	0	35	#DIV/0!	219%										
		Accreditations	15	0	15	0	26	#DIV/0!	173%										
		CEMCRR	1	0	1	0	2	#DIV/0!	200%										
		CoE	0	0	0	0	7	#DIV/0!	#DIV/0!										
		DMPF	0	0	0	0	0	#DIV/0!	#DIV/0!										
		d. Mineral Ore Export Permit (MOEP) issued/validated	437	8	437	6	681	75%	156%										
		MOEP Issued (no.)	437	8	437	6	681	75%	156%										
		MOEP Validated (no>)	0								62,000.00	-	62,000.00	-	62,000.00	-	100%	100%	
		(a) Mining applications with final action (no.)	10	0	10	1	10	#DIV/0!	100%		62,000.00	-	62,000.00	-	62,000.00	-	100%	100%	
		(b) Mining Permits/ Contracts reviewed/ endorsed for Cancellation (no.)	80	0	80	8	80	#DIV/0!	100%										
		EPEP/FMRDP/PEIR endorsed to MRFC (no.)	0	0	0	0	2												
	Annual EPEP approved (no.)	28	0	28	0	22	#DIV/0!	79%											
Measures to improve Small-Scale Mining per EO 79  A.03.c.1.b Assistance to P/CMRB LGUs/other Stakeholders		SDMP/CDP approved (no.)	2	0	2	0	10	#DIV/0!	500%										
		Annual SDMP approved (no.)	28	0	28	0	25	#DIV/0!	89%		62,000.00	-	62,000.00	-	62,000.00	-	100%	100%	
		Annual Safety and Health Programs approved (no.)	80	0	80	0	70	#DIV/0!	88%		62,000.00	-	62,000.00	-	62,000.00	-	100%	100%	
		Environmental Work Program endorsed to MMD (no.)	2	0	2	0	2	#DIV/0!	100%										
		NGP Monitoring Reports Submitted (no.)	4	1	4	0	4	0%	100%		62,000.00	-	62,000.00	-	62,000.00	-	100%	100%	
	Provinces Inventoried for Small Scale Mining Sites (no.)	5	0	5	0	5	#DIV/0!	100%											
	Minahang Bayan Sites Identified (no.)	1	0	1	0	1	#DIV/0!	100%		52,713.00	-	52,713.00	-	52,713.00	-	100%	100%		
	Minahang Bayan Sitesendorsed to DENR through	1	0	1	0	1	#DIV/0!	100%		25,000.00	-	25,000.00	-	25,000.00	-	100%	100%		



Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL								Expense Class								
			TARGET			ACCOMPLISHMENT						Allotment	Obligation		Disbursement			% Budget Utilization Rate (BUR)	
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)	This Month			To Date	This Month	To Date	Obligation/ Allotment/ (16/12*100)		Disbursement/ Obligation (18/16*100)	
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)	
		MGBCO (no.)	1	0	1	0	1	0	100%										

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement			% Budget Utilization Rate (BUR)		
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date			Obligation/ Allotment (16/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)	
		P/CMRBs operationalized (no.)	6	0	6	0	6	#DIV/0!	100%										
		P/CMRBs Reconstituted (no.)																	
		Meetings Conducted/Participated (no.)	24	0	24	0	27	#DIV/0!	113%								#DIV/0!	#DIV/0!	
		P/CMRB Regional Consultations Conducted (no.)	1	0	1	0	1	#DIV/0!	100%										
PI 2 Monitoring																			
Quantity:		number of sites and facilities monitored and/or inspected with reports issued																	
Quality:		percentage of agreements with one or more violations over the last 3 years																	
Timeliness:		percentage of sites that have been inspected more than twice in the last 2 years																	
A.03.c.2 Mining Industry Development Program																			
A.03.c.2.a Mining Industry																			
Monitor/audit of approved mining contracts/permits including areas within mineral reservations as to compliance to the implementation of approved Work Program and Safety, Health, Environment and Socials Programs		Permit areas/projects monitored																	
(1)		Work Program	50	0	50	0	50	#DIV/0!	100%		677,000.00	134,106.85	651,912.10	134,106.85	651,912.10	25,087.90	96%	100%	
Full Enforcement of Env'tl Standard in Mining Operations pursuant to (2.a)		Safety, Health, Environment and Socials Programs (No. of Permits/Contracts)	14	0	14	0	44	#DIV/0!	314%		2,335,000.00	51,348.75	2,171,549.81	51,348.75	2,171,549.81	163,450.19	93%	100%	

Code	Program/Project/Activity (PPA)	Performance Indicators	PHYSICAL							Expense Class	Allotment	Obligation		Disbursement			% Budget Utilization Rate (BUR)		
			TARGET			ACCOMPLISHMENT						This Month	To Date	This Month	To Date			Obligation/ Allotment (16/12*100)	Disbursement/ Obligation (18/16*100)
			Annual	This Month	To Date	This Month	To Date	% Accom (This Month) (8/6*100)	% Accom (To Date) (9/5*100)										
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(15)	(16)	(17)	(18)		(19)	(20)	
A.03.c.2.b	(2.b)	Safety, Health, Environment and Socials Programs (No. of Monitoring)	42	0	42	0	44	#DIV/0!	105%		90,000.00	-	90,000.00	-	90,000.00	-	100%	100%	
	(3)	Monitoring Report on Mining Forest Program (no.)	2	1	2	0	2	0%	100%		62,000.00	-	62,000.00	-	62,000.00	-	100%	100%	
		Multipartite Monitoring Teams (MMT) of mining projects with permits issued by MGB Operationalized (no.)	30	0	30	0	36	#DIV/0!	120%										
	A.03.c.3 Mine Rehabilitation Program																		
	a. Bagacay Mine area	Rehabilitation/Mitigating Measures plan prepared/ implemented(no.)																	
	b. Risk Assessment of other Abandoned/inactive mining areas/sites Conducted (no.)	Rehabilitation/Mitigating Measures plan prepared/implemented (no.)																	
	c. Marcopper	Monitoring Report Submitted (no.) Region IV-B																	
PI 3 Enforcement																			
A.03.c.4	Quantitative	number of violations or complaints acted upon with reports issued																	
	Qualitative	percentage of submitted reports that resulted in the issuance of notice of violations and penalties imposed																	
	Timeliness:	percentage of complaints or defected violations that are acted upon earlier than the prescribed period																	
	Resolution of Complaints/Cases / Conflicts	Number of Complaints/Cases/conflicts investigated/resolved (no.)																	
		(1.) MGB	10	0	10	0	13	#DIV/0!	130%		171,000.00	93,354.67	50,424.51	93,354.67	50,424.51	120,575.49	29%	100%	
A.03.c.5	(2.a)	Panel of Arbitrators	1	0	1	0	2	#DIV/0!	200%		74,000.00	-	74,000.00	-	74,000.00	-	100%	100%	
	(2.b)	Quarterly Accomplishment/Inventory Report of the Panel of Arbitrators (no.)	4	1	4	0	4	0%	100%										
	(3.)	Complaints/Charges filed with the Provincial/City Prosecutors office (no.)	3	1	3	2	3	200%	100%										
	Anti-Illegal Mining	Illegal mining sites with Ceased and Deceased Order (CDO) issued/ implemented (no.)	3	0	3	1	3	#DIV/0!	100%										

Prepared by:

CARL ORVEN C. ELUDO

AO III/Planning Officer-designate

RHODORA B. TAN

Budget Officer II

ROGER A DE DIOS

Regional Director



# **ANNEX E**

## **Tenement Map**



