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Prepared by:

CHRISTINE MAE M. TUNGPALAN
Contractual Planning Officer
REGIONAL DIRECTOR’S REPORT

The Mines and Geosciences Bureau – Regional Office No. I humbly presents the 2016 Mid-Year Accomplishment Report. This would not come to reality without the unwavering dedication and commitment of the men and women of MGB-RO I in support to the thrusts and programs of the government to improve the quality of lives of people and to uplift the socio-economic condition of the country. It is also a manifestation of our continuing commitment in the promotion of Responsible Mining towards poverty alleviation, environmental protection and economic recovery; and Geosciences Applications for risk reduction and safety of the people.

The first half of the year is indeed not an easy task with only thirty eight (38) diligent personnel to implement the programs/projects and activities. However, all the major programmed activities for the 1st Semester were accomplished with the assistance of sixteen (16) hardworking personnel hired under contract of service.

Under communication plan for minerals development, eight (8) dialogues and committee hearings have been conducted with Sangguniang Panlalawigan and Bayan, members of the Academe, Civil Society Organizations and Media. Likewise, the 15th leg of the Regional Mining Summit (RMS) was held on April 6 - 8, 2016 at Hotel Luna, Vigan City, Ilocos Sur. The event served as a venue for mining stakeholders to share and exchange ideas, best practices and relevant initiatives on environmental protection, social development and mineral development and utilization as well as policy updates.

The application of Geosciences, one of the flagship programs of the Bureau, has also made a great difference for making people aware of the different geohazards and its effects to lives and properties. The Office intensified its geohazard survey and assessment program wherein a Vulnerability Risk Assessment was conducted in seven (7) municipalities/cities in the region with the updating of 1:10,000 scale Geohazard Map of the City of Candon, Ilocos Sur. In compliance to the Special Order No. 2016-49 dated May 20, 2016, personnel from Geosciences Division also conducted the Karst Subsidence
Hazard Assessment and Ground Penetrating Radar (GPR) Survey in the Municipality of Corella, Province of Bohol.

As part of our assistance to LGUs to address their water needs and problems on finding viable water sources and deteriorating water quality, out of the 20 City/Municipalities of the Province of La Union, groundwater resource and vulnerability assessment have been completed in twelve (12) towns.

For the Mineral Lands Administration, for the period, the Office had monitored fifty two (52) Permit Holders and Contractors to verify their compliance with the terms and conditions stipulated in the mining permits/contracts and work programs. Likewise, seventy eight (78) mining permits were monitored under the Integrated Safety, Health, Environment and Social Programs (I-SHES). Companies and proponents who had violations for non-compliance in the implementation of these programs were issued show cause letters and penalized.

Various mining related complaints/cases/conflicts were acted upon and investigated in response to complaints/cases/conflicts filed in the Office.

As we go on to the second half of the year, we foresee more challenges in the accomplishment of our annual targets. MGB- Regional Office No. I is always ready to take challenges as we envision a minerals industry that is not only prosperous but also socially, economically and environmentally sustainable and the achievement of our goals and commitment to our country, to our community and to our economy.

CARLOS A. TAYAG
OIC, Office of the Regional Director
NARRATIVE REPORT OF ACCOMPLISHMENT
REGIONAL PROFILE

Region I, otherwise known as the Ilocos Region, is composed of four (4) provinces – Ilocos Norte, Ilocos Sur, La Union and Pangasinan – and nine (9) cities – Laoag, Batac, Candon, Vigan, San Fernando, Dagupan, San Carlos, Alaminos, and Urdaneta. The provinces have a combined number of one hundred twenty five (125) cities and municipalities and three thousand two hundred sixty five (3,265) barangays.

Region I is situated in the northwestern part of Luzon with its provinces stretching along the blue waters of West Philippine Sea. Bounded on the North by the Babuyan Islands, on the East by the Cordillera Provinces, on the west by the West Philippine Sea, and on the south by the provinces of Tarlac, Nueva Ecija and Zambales. It falls within 15°00’40” to 18°00’40” North Latitude and 119°00’45” to 120°00’55” East Longitude.

The region’s territorial jurisdiction occupies an aggregate area of 1,284,019 hectares with the Province of Pangasinan having the largest land area of 536,818 hectares followed by the Province of Ilocos Norte with 339,934 hectares, the Province of Ilocos Sur with 257,958 hectares and the Province of La Union with 149,309 hectares.

Region 1 being geographically situated along the coastal stretch of the West Philippine Sea and the Caraballo Mountain Ranges is endowed with rich mineral resources. Over the decades, the development and utilization of this God-given wealth had brought significant economic upturn in our society.
Hereunder is the table of Mineral Deposits found in the region:

<table>
<thead>
<tr>
<th>Provinces</th>
<th>Mineral Deposits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ilocos Norte</td>
<td>Gold, Magnetite sand, Copper, Shale, Marbleized Limestone</td>
</tr>
<tr>
<td>Ilocos Sur</td>
<td>Magnetite sand, Red clay, Gold, Sandstone</td>
</tr>
<tr>
<td>La Union</td>
<td>Magnetite sand, Red clay, Shale, Gold</td>
</tr>
<tr>
<td>Pangasinan</td>
<td>Gold, Chromite, Copper, Manganese, White clay, Rock Phosphate, Guano, Red Clay</td>
</tr>
</tbody>
</table>
There are two (2) cement plants operating in the region. These are the Holcim Philippines, Inc. – La Union Plant situated in Brgy. Quirino, Bacnotan, La Union and the Northern Cement Corporation located in Brgy. Labayug, Sison, Pangasinan

Among the metallic minerals found in the region is the copper ore. The commodity is found in Pangasinan and Ilocos Norte.

Construction sand and gravel are exported in Japan and Singapore; the Luna pebbles and decorative stones in South Korea, Malaysia, USA/Hawaii, France, and Kingdom of Saudi Arabia while Zeolite and Bentonite are supplied in Japan.

Serving as conduits for the commercial disposal of high-value multi coloured pebble deposits to neighbouring Asian countries are duly accredited dealers by the MGB.
NARRATIVE REPORT OF ACCOMPLISHMENT

GENERAL ADMINISTRATION AND SUPPORT SERVICES

GENERAL MANAGEMENT AND SUPERVISION

Management and Administrative Support Services

Activities programmed for the 1st Semester were all satisfactorily completed which are all demand driven. Maintenance and inventory of vehicles and equipment, buildings, records management, among others, are all 100% accomplished.

Transfer to the new MGB Regional Office Building located at Government Center, Sevilla, City of San Fernando, La Union was completed on March 15, 2016.

The Region has fully complied with all the requirements of the conditions of Good Governance by posting the Transparency Seal on the Regional Website which consists of the mandate and function of the Office, list of personnel, approved work and financial plan, annual procurement plan and PHILGEPS certification; the Citizens’ Charter was also posted in a conspicuous area in the office; and Thirty eight (38) employees submitted their respective Statement of Assets, Liabilities and Networth (SALN) for CY 2015 in compliance to Section 8 of Republic Act No. 6713 otherwise known as “Code of Conduct and Ethical Standards for Public Officials and Employees.”

Motor vehicle operation and maintenance, procurement of supplies and materials and records management were all 100% completed.
The Office hired sixteen (16) contractual employees under Job Order to supplement the lacking manpower of the Office.

**Housekeeping, Building and Ground Improvement Services**
Relative to this activity, certain MGB Personnel has been designated as Housekeeping, Building and Ground Improvement Officer. She is in charge in monitoring and submitting reports.

**Human Resource Management and Development Service**
The Human Resource Development Service aims to provide responsive and excellent service in the development and administration of effective human resource management. Various trainings were coordinated, attended/ conducted for bettering the performance, gaining more knowledge of individuals and sharpening their skills. In line with this, a 2016 Mid-year Performance Review and team building was conducted on June 2-3, 2016 at Pangil Beach Resort, Currimao, Ilocos Norte. *(Please see Annexes for list of trainings attended/conducted)*

**Solidwaste Management Service**
The Office strictly implements waste segregation in collaboration with Mines and Geosciences Bureau Employees Association Region I Chapter.
FINANCE AND ACCOUNTING MANAGEMENT SERVICE

Under the General Appropriations Act (GAA) of CY 2016, total allotment was Php 44,528,000.00, which comprises of Php 17,166,000.00 for Personnel Services (PS) and Php 27,362,000.00 for Maintenance and Other Operating Expenses (MOOE). Additional Php 144,538.00 was granted by DBM to cover payment of terminal leave benefits. MGB Central Office downloaded additional allotment amounting to Php 2,618,503.00 for PS and Php 190,000.00 for Capital Outlay (CO). As of June 30, 2016, total allotment available amounted to Php 47,480,861.00.

Fund Utilization (obligation/allotment) as of June 30, 2016 has reached 44%. Total obligations for PS and MOOE was Php 10,736,589.89 and Php 12,006,243.73, respectively. Disbursements ratio (disbursements/obligation) was 92% and total disbursements amounted to Php 20,820,312.96.

Timely submission of monthly and quarterly Budget and Financial Accountability Reports (BFARS) and Financial Statements to MGB CO and Commission on Audit (COA) was strictly observed. Disbursement Vouchers (DV) and Liquidation Reports (LR) subject to post-audit were already forwarded to COA. Settlement of disallowances of employees was made through monthly salary deduction.

The Accounting System formulated by MGB CO was used in recording transactions and generating reports and the Unified Accounts Code Structure (UACS) was used as the coding system.
PLANNING AND POLICY FORMULATION

Monthly Accomplishment Reports, Performance Information Report and Fund Utilization Reports were submitted.

To improve the reporting of accomplishments of every Division as well as record filing and keeping, planning coordinators were designated in the respective divisions to effectively coordinate with the planning officer for the timely submission of reports. Periodic assessment of accomplishments vis-à-vis target is conducted and timely feedbacks are provided to the division concern for immediate and appropriate course of action.

MINERAL RESOURCE SERVICES

A.03.a.1 Communication Plan for Minerals Development

Awareness and Advocacy on Mineral Resources and Geosciences (MRGS)

For the 1st Semester 2016, various presentations/dialogues and forums were conducted to the different sectors of society to promote awareness and advocacy of the thrusts and programs of the bureau and to address mining-related activities of the region. Hereunder are the activities undertaken for the period, to wit:

a. Consultation with Sangguniang Bayan of Mangaldan, Pangasinan;
b. Dialogue with Sangguniang Panlalawigan of Ilocos Sur;
c. Dialogue with Sangguniang Bayan Tuba, Benguet;

Engr. Carlos A. Tayag together with Gov. Ryan Singson during the dialogue with SP Ilocos Sur
d. Dialogue with Sangguniang Bayan Sudipen, La Union;
ed. Dialogue with Brgy. Anonang, San Fabian, Pangasinan;
f. DENR-MGB-CBFM/NGP Beneficiaries Dialogue at DENR-CENRO Dagupan City;
g. Dialogue with Defend Ilocos; and
h. Meeting with ENR Sectoral Committee.

**Capacity Building on MRGS laws, rules and regulations**

The 15th leg of the Regional Mining Summit (RMS) with the theme "Raising up the Standards of Mining with Continuous Learning and Innovation" was held on April 6 - 8, 2016 at Hotel Luna, Vigan City, Ilocos Sur.

This year’s summit brought together representatives from across the Region in the arena of innovation and excellent discussions and dialogues. The event served as a venue for mining stakeholders to share and exchange ideas, best practices and relevant initiatives on environmental protection, social development and mineral development and utilization as well as policy updates.
Four (4) Trainings/Convention were attended/conducted by MGB-I personnel namely:

1. Learning Event on Administrative Reforms and Anti-Corruption Module 3 and 4 for Division Chiefs on February 1-5, 2016 in Carranglan, Nueva Ecija;
2. 1st National MSESDD Forum on March 14-18, 2016;

Generation/Publication/Dissemination of Information and IEC Materials:

a. MGB-1 Website www.denr-mgb1.org is being maintained by the Office for better and easier access of clients to the services being offered by the Office.

b. Twenty four (24) Statistical Reports were prepared.

c. Twelve (12) updating of tenement maps which is done on a bi-monthly basis.

d. Two (2) IEC materials were produced and one hundred (100) were reproduced and distributed during fora, conferences, dialogues and meetings. Some were requested by walk-in clients.
e. Twenty (20) MRGS reports were prepared. These are the databases of the Mining Tenement Statistics Report, SHES Database Management, Mining Tenement Database, Mine Rehabilitation Fund Report and Quarterly Summary of IEC activities.

**National Linkages**

Nine (9) Linkages were coordinated for the reporting period, namely:

1. Deliberation on the Comprehensive Development and Management Plan of Ilocos Norte;
2. ICIEERD Management Council Meeting;
3. Budget Forum on the FY 2016 Budget Execution and FY 2017 Budget Preparation;
4. ASEAN Economic Community Regional Workshop;
5. Regional Disaster Management Plan (RDRP) 1.0 Earthquake;
6. Joint MGB-DA validation of Strategic Agriculture Fisheries Development Zones (SAFDZ);
7. Regional Development Plan;
8. Regional Budget Review and Consultation

Engr. Carlos A. Tayag presenting the status of implementation of MGB-I Programs/projects/activities during the Budget Review and Consultation

A meeting was held at the Department of Agriculture (DA) Regional Office No. 1 on May 11, 2016 concerning the conduct of joint DA-MGB validation of Strategic Agriculture and Fisheries Development Zones (SAFDZ) that are overlapped by mining applications.
GEOSCIENCES DEVELOPMENT AND SERVICES

B.1 Geohazard Survey and Assessment

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

For the period, The MGB-VRA Team conducted Vulnerability Risk Assessment in Seven (7) Municipalities/Cities in the Region, in the City of Candon which was also updated for the 1:10,000 scale Geohazard mapping, Vigan City and in the Municipality of Santa, Province of Ilocos Sur as well as in the Municipalities of Villasis, Sta. Maria, San Nicolas and in the City of Urdaneta, Province of Pangasinan.

The assessment is in line with the government’s efforts aimed at determining the potential of a certain city or municipality to suffer harm or loss; and also its capacity to anticipate, cope with, resist and recover from the impacts of hazards. It also aims to understand the types or different dimensions of vulnerability to, wit: physical social, economic and environmental as well as the elements at risk (e.g. all objects, building facilities, population/people, animals, economic activities, public services, environment and cultural heritage) and processes that may be adversely affected by hazardous phenomena in a particular area either directly or indirectly and reducing if not totally mitigating the destructive effects and impacts of natural hazards on the populace.
Sub-surface Assessment

Due to sinkhole collapse in areas of the country that are characterized by karst topography, the Bureau has expanded its geohazard mapping and assessment program to include subsidence hazard. In compliance to the Special Order No. 2016-49 dated May 20, 2016, the sinkhole assessment team from the region conducted the Karst Subsidence Hazard Assessment and Ground Penetrating Radar (GPR) Survey in the Municipality of Corella, Province of Bohol.

The objectives of this assessment are the following: a.) To identify the existing sinkholes in order to produce sinkhole inventory and karst subsidence susceptibility map as well as delineate areas where future sinkholes are likely to occur using geologic and geomorphologic information combined with accounts from local people and the GPR; b.) To determine the subsidence susceptibility of the study areas due to sinkhole and/or cave collapse particularly in selected government infrastructures, such as, schools, roads, evacuation centers and other priority areas identified by concerned Local Government Units (LGUs); and c.) To conduct awareness campaign on sinkholes and other karst features, and issuance of threat advisories to LGUs relative to the hazards of subsidence due to sinkholes/caves collapse.
In pursuing the objectives of the assessment, a team composed of Geologists and GIS analysts, from MGB ROI conducted detailed karst subsidence hazard mapping (1:10,000 scale), geological/geomorphological study and sinkhole inventory in all puroks of the 8 barangays of Corella. Specific methodologies were employed during the period May 26 to June 26, 2016. These include the gathering of anecdotal accounts, interpretation of satellite data from the Interferometric Synthetic Aperture Radar (IfSAR) 2013 of NAMRIA, geologic/geomorphic study, Ground Penetrating Radar (GPR) surveys of selected areas, Information, Education and Communication (IEC) Campaign and issuance of “Threat Advisories” to all barangay chairpersons in the Municipality of Corella. Training on Karst Subsidence Hazzard Assessment and Mapping was also attended by MGB-I personnel on June 23-26, 2016 in Bohol.

**Geohazard IEC Materials Dissemination and Conduct of IEC to LGUs**

IEC materials like maps (1,909), posters (590), VCD (124), and pamphlets/flyers (410) were also distributed. Likewise, geohazard maps with a scale of 1:10,000 were uploaded in the website. Re-issuance of advisories was also made to municipalities and cities in the region.
Series of lectures were also presented/conducted, namely:

1. Sanitary Landfill consultation with the local officials and residents of Barangay Lubic, San Juan, La Union;
2. IEC on the topic "Understanding Hazard & Vulnerability" held in Pangasinan Regency Hotel Calasiao, Pangasinan on January 21, 2016;
3. IEC on the topic "Understanding Hazard and Vulnerability" for Civil Society Organizations (CSOs) of Urdaneta City, Pangasinan held in Baguio City as per invitation of DILG on June 16-17, 2016;
4. IEC on the topic "Understanding Hazard and Vulnerability for CSOs of Bangar, La Union held in Silvana Hotel, Baguio City as per invitation of DILG on June 27-28, 2016;
5. IEC on the topic "Understanding Geohazard and Vulnerability and Risk Assessment held in the Municipality of Sarrat, Ilocos Norte on March 17, 2016;
6. IEC on the topic "Geohazard Map Reading" in the Province of Ilocos Sur on March 18, 2016;
7. IEC on the topic "Understanding Hazard and Vulnerability for CSOs Capability Building Program Particularly Governance and Disaster Risk Reduction Management Training" held in the Municipality of Bolinao, Pangasinan on May 18-20, 2016.
B. 2 Geologic Mapping

In compliance to the Special Order No. 2016-21, the Mines and Geosciences Bureau - Central Office organized a team in each regional office and their office, to conduct Geologic Quadrangle Mapping. This year, the target area was prioritized in Region III. The undertaking aimed to produce geologic maps for the remaining areas in Region III. Each region was given an assigned area for mapping, one of which already contains data and subjects for re-checking or updating. The team of MGB – Region 1 was assigned to Gerona Quadrangle during the period March 28 – April 10, 2016.

The accessibility of the area by interconnected roads serves a good chance to the team to conduct their observations especially along the western part of the study area where good exposures of outcrops are observed along some road-cuts. The use of sample pick and hand lens helps to determine certain sample of rocks seen during the course of the field. The use of Geographic Positioning System (GPS) serves as the device for faster and accurate locating in the field. Also, some essential tools for mapping were brought by the team, this includes maps, brunton compass, acid kit and meter tape. Some pictures were also taken from the study area needed for the documentation and or report.
The geologic maps that will be produced can also provide supporting data for other geological surveys such as geohazards, georesources and others. It can be useful to Local Government Units for Land Use and Development Planning.

Workshop on standardization of procedures for geologic quadrangle mapping was attended by MGB-I geologists on March 6-12, 2016 at the Contemporary Hotel, Quezon City.

**B.3 Groundwater Resources and Vulnerability Assessment**

Ongoing Groundwater Resource and Vulnerability Assessment is being conducted to assess the groundwater resource potential of the whole province of La Union, as well as to assist the local government units in locating areas feasible for groundwater resource development within their municipality.

The survey conducted consists of geological mapping and water level measurements of pumps or dug wells within the area. A battery-operated water level indicator is used to measure the Static Water Level of each surveyed well. The static water level of each well is used to generate a piezometric map by means of software called Surfer. This map will show the delineated areas with groundwater resource potential.
At the end of the survey, three maps were produced: Geologic Map, Piezometric Map and Potential Areas for Groundwater Development Map. The Geologic Map shows the geology of the area covered during the fieldwork. The Piezometric Map shows the direction of flow of the groundwater. And the last map shows the potential areas viable for the development of groundwater.

**B.4 Miscellaneous Geological Services**

A total of Fourteen (14) Geological Investigations were conducted by the Office for the 1st semester for various purposes:

1. Geological Assessment on proposed Sanitary Landfill in Barangay Acao, Municipality of Bauang, La Union;

2. Geological Assessment on the Proposed Sanitary Landfill in Barangay Lubing, Municipality of San Juan, La Union;

3. Geological Assessment on the Proposed Sanitary Landfill in Urbiztondo, Pangasinan;

Photos showing MGB-I personnel surveying a pump well. *(Left)* MGB-I personnel dismantling a pump well located in the Municipality of Bacnotan, La Union. *(Right)* Static Water Level of the well is measured using a battery operated water level indicator.


6. EGGAR on Housing Project located in Barangay Papagueyen, Lingayen, Pangasinan on February 17-21, 2016;


8. Geohazard Assessment on the proposed Housing Subdivision in Barangay Labit West, Urdaneta City, Pangasinan on March 2, 2016;

9. Geohazard Identification Survey on the Proposed subdivision/housing project of Dr. Voltaire P. Arzadon located at Bonuan Binloc, Dagupan City, Pangasinan on March 21-23, 2016;

10. Geological Assessment on the proposed ECOTOURISM facilities located at Barangay Sta. Rita, Agoo, La Union on March 22-23, 2016;
11. Geohazard Identification Survey on the Proposed subdivision/housing project of Dr. Voltaire P. Arzadon located at Bonuan Boquig Dagupan City, Pangasinan on March 28-30, 2016;
13. Geologic Analysis and to determine the main cause of the massive landslide and soil erosion that occurred within the area of Northern Luzon Heroes Hill National Park in Santa, Ilocos Sur on May 10-11, 2016;

Geologists operating Georesistivity meter to determine the extent of Salt water intrusion in Lingayen, Pangasinan
MINING REGULATION SERVICES
MINERAL LANDS ADMINISTRATION

A.1 Mineral Investment Promotion Program

Issuance of Permits/Contracts

The Office issued sixty six (66) Ore Transport Permits, five (5) Certificates of Accreditations, four (4) Certificate of Environmental Management and Community Relations Record and Certificate of Exemption and one hundred eighteen (118) Mineral Ore Export Permits (MOEP). *(Please see Performance Information Report for the list)*

“Use It, Lose It” Policy

In compliance to the Department Memorandum Order No. 2010-04 *“Reforms in the Department Mining Tenement System”*, which directs the Bureau to expedite the grant of mining contracts and permits, cleanse and process all pending mining applications and strengthen all compliance requirements, the Office have endorsed AFTA 06 of Iron Ore, Gold and Vanadium Resources, Inc to the DENR Secretary, Issued Order for Cancellation Final and Executory to MPSA 127-1998 of GML Corp and Issued Order on Denial to ExPA 96 of Malibato Mining Co., Inc. Sixty. Fifty Two (52) Mining Contracts/Permits were likewise reviewed.

Approval of SHES Program

For the semester, seventy (70) Annual EPEPs and seventy one (71) Annual SHPs were evaluated and subsequently issued Certificates of Approval; and two (2) 5-year Social Development Management Programs (SDMPs) and fifty eight
(58) Annual SDMPs were approved. Two (2) Quarterly Monitoring Reports for National Greening Program were submitted to Central Office.

The region issued eleven (11) “show cause” letters to Mining Proponents for their non-submission of Annual SDMPs.

**Assistant to P/CMRB/LGUs and Stakeholders**

The Provincial Mining Regulatory Boards of all the four provinces in the region are fully operationalized. A total of eighteen (18) regular Provincial Mining Regulatory Board meetings were attended/conducted by the office for the period in review. This is to monitor the compliance of Quarry and Commercial Sand and Gravel Permit Holders in their applied areas and to address issues and concerns arising in the operations of PMRB. Likewise, two (2) PSSM/Quarry Sites were inventoried and this activity is conducted in a quarterly basis.
A.2 Mineral Industry Development Program

Monitor/Audit of Approved Mining Contracts/Permits and SHES Programs

The Monitoring and Technical Services Section of the Mine Management Division has undertaken fifty two (52) compliance monitoring/audit of 47 Industrial Sand and Gravel Permits, 2 Mineral Processing Permits and 3 Mineral Production Sharing Agreement contracts.

During the monitoring. Atop the North Limestone Quarry, Engr. Ballesteros of NCC pointing out the type of limestone material to be extracted.

The Limestone Quarry 1 of Ilocos Norte Mining Co., Inc. (INMC) located at Barangay Liliputen, Pinili, Ilocos Norte. It is situated at the southern half of the MPSA Contract Area of Marble Mining Exploration Corporation

Three (3) monitoring parameters are taken into consideration in assessing the level of compliance of each contractor and permit holder, namely: the implementation of the approved work programs, the submission of reportorial requirements, and the payment of financial obligations to the LGU (extraction fee and occupation fee) and the BIR (excise tax). (Please see Performance Information Report for the list).
**Integrated Social, Health, Environment and Safety (SHES) Monitoring**

With respect to the monitoring of permit/contract areas/projects in the implementation of AEPEP, SHP, EnWP, SDMP among others, seventy eight (78) permits were monitored (*Please see Performance Information Rating for the list*). The Office found out that some companies had violated in the execution of these programs. As a result, 16 companies were penalized for their violations and paid a corresponding penalty totaling to Php 37,000.00

**Monitoring Report on Mining Forest Program**

In line with the implementation of DAO # 22, Series of 1989, two (2) accomplishment reports on Mining Forest Program of the mining companies were validated and subsequently submitted to MGB Central. Nursery operations, area plantations, and care and maintenance were the activities.

Total mining forest areas validated for the period is six (6) hectares.
Strengthen Multi-Partite Monitoring System

A total of eleven (11) Multi-Partite Monitoring Teams with corresponding MRFCs in the region under MGB issued permits and five (5) (MMTs/MRFs) under LGU issued permits are fully operationalized to ensure and check the performances and compliances with the approved EPEP/AEPEP of mining/quarry projects, to wit:

<table>
<thead>
<tr>
<th>COMPANY/TENEMENT NAME</th>
<th>DATE OF MMT MONITORING</th>
<th>DATE OF MRFC MEETING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Holcim, Philippines</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Bacnotan, La Union</td>
<td>February 15-19, 2016</td>
<td>March 8, 2016</td>
</tr>
<tr>
<td>- Agno, Pangasinan</td>
<td>May 16-20, 2016</td>
<td>June 14, 2016</td>
</tr>
<tr>
<td>- Poro La Union</td>
<td>February 24-26, 2016</td>
<td></td>
</tr>
<tr>
<td></td>
<td>May 24-17, 2016</td>
<td></td>
</tr>
<tr>
<td><strong>Northern Cement Corp.</strong></td>
<td>January 26-29, 2016</td>
<td>February 9, 2016</td>
</tr>
<tr>
<td></td>
<td>April 27-28, 2016</td>
<td>April 29, 2016</td>
</tr>
<tr>
<td><strong>Omnico Natural Resources, Inc</strong></td>
<td>February 16-19, 2016</td>
<td>February 24, 2016</td>
</tr>
<tr>
<td></td>
<td>May 3-5, 2016</td>
<td>May 26, 2016</td>
</tr>
<tr>
<td><strong>Pangasinan Group I &amp; VI</strong> (ISAG, Quarry &amp; SSM Permittees in Mabini, Agno, Burgos, Bolinao, Dasol,</td>
<td>February 2-4, 2016</td>
<td>February 11, 2016</td>
</tr>
<tr>
<td></td>
<td>May 3-5, 2016</td>
<td>May 13, 2016</td>
</tr>
</tbody>
</table>

Photos showing the Mining Forest Program (MFP) plantation area (left) and overgrown bamboo propagules ready for planting. (right)
<table>
<thead>
<tr>
<th>Project/Group</th>
<th>Date Range 1</th>
<th>Date Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Infanta, Alaminos, Sual &amp; Labrador, Pangasinan</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pangasinan Group II</strong></td>
<td>March 1-4, 2016</td>
<td>March 10, 2016</td>
</tr>
<tr>
<td>(ISAG &amp; SSM Permittees in Mangatarem, Bugallon &amp; Aguilar, Pangasinan)</td>
<td>June 7-10, 2016</td>
<td>June 16, 2016</td>
</tr>
<tr>
<td><strong>Pangasinan Group III &amp; V</strong></td>
<td>February 16-18, 2016</td>
<td>March 9, 2016</td>
</tr>
<tr>
<td><strong>Pangasinan Group IV</strong></td>
<td>February 23-26, 2016</td>
<td>March 11, 2016</td>
</tr>
<tr>
<td><strong>ISAG La Union</strong></td>
<td>March 1-4, 2016</td>
<td>March 22, 2016</td>
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<tr>
<td><strong>ISAG Ilocos Sur</strong></td>
<td>February 15-19, 2016</td>
<td>February 23, 2016</td>
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<td></td>
<td>May 10-14, 2016</td>
<td>May 24, 2016</td>
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<tr>
<td><strong>Heirs of Elias Olegario</strong></td>
<td>March 15-18, 2016</td>
<td>April 22, 2016</td>
</tr>
<tr>
<td><strong>ISAG Ilocos Norte</strong></td>
<td>February 29-March 4, 2016</td>
<td>March 31, 2016</td>
</tr>
<tr>
<td><strong>Burgos-Pasuquin Group</strong></td>
<td>May 17-18, 2016</td>
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<tr>
<td>(SSM Permittees operating in Burgos &amp; Pasuquin, Ilocos Norte)</td>
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<tr>
<td><strong>CSAG La Union</strong></td>
<td>March 1-4, 2016</td>
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<tr>
<td><strong>CSAG Ilocos Norte</strong></td>
<td>May 25, 2016 (1st Sem)</td>
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<td>February 24, 2016 (SM)</td>
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<tr>
<td><strong>CSAG/SSM Ilocos Norte</strong></td>
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<tr>
<td><strong>Philex Mining Corporation/Poro Point Installation</strong></td>
<td>February 2-5, 2016</td>
<td>February 10, 2016</td>
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<td>April 20-22, 2016</td>
<td>May 12, 2016</td>
</tr>
</tbody>
</table>
Investigation of Complaints/Cases/Conflicts

Seven (7) complaints for alleged illegal and indiscriminate quarrying were investigated by the office, to wit:

1. Alleged Existence of Sand and Gravel Quarry within the vicinity of National Grid Corporation's Tower 174 in Sta. Cruz, Ilocos Sur

Traces of Sand and Gravel Quarrying where observed within the vicinity of tower 174
2. Alleged Illegal Black Sand Mining in the Coastal Area of Lingayen, Pangasinan
3. Alleged Illegal Extraction of Beach Sand Along the Shoreline of Brgy. Taboc, San Juan, La Union
4. Alleged Illegal extraction of Sand and Gravel in Baraoas, Naguilian, La Union reported by a certain Johnny Bamba
5. Alleged Illegal extraction of sand and gravel by a certain Roland Taggaoa at Dolo River in Brgy. Lanao, Bangui, Ilocos Norte
6. Alleged illegal quarrying operations in Sudipen, La Union
7. Alleged illegal quarrying operations in Dagupan, Pangasinan

Under the Panel of Arbitrators, one (1) case (Multicon vs Montague) was investigated.

The complaint of Multicon Metals Inc. stemmed from the refusal of Montague Resources Philippines Corp., holder of Exploration Permit No. EP 05-001 (the area is located in the Municipalities of Mabini and Barlo, Pangasinan) to issue its consent to the former.

Multicon Metals, Inc. is an applicant of a Mineral Processing Permit (MPP). However, the processing of said application is held in abeyance pending the submission of consent from the EP holder.
GENDER AND DEVELOPMENT

For the 1st Semester CY 2016, the Mines and Geosciences Bureau-Regional Office No. I was strengthened and gender concerns integrated in the programs, projects and activities.

MGB – RO I personnel actively joined in the month-long celebration of Women’s Month in March. A tarpaulin with this year’s theme “KAPAKANAN NI JUANA, ISAMA SA AGENDA” was displayed in front of the regional office building. The following activities were undertaken and participated by the office, to wit:

1. “FUNWALK “and “HATAW” organized by the Regional Advocates for Gender Equality to promote healthy lifestyle on March 16, 2016 at Don Mariano Marcos Memorial State University – Mid-La Union Campus, City of San Fernando.

2. DENR EXHIBIT, one of the closing activities of the celebration held on March 29-30, 2016 at the DENR Lobby.

3. LIVELIHOOD SEMINAR on the preparation of Siomai and Atcharang Papaya on May 30, 2016 in coordination with the MGB Employees Association.
MGB – I GAD FPS joined the lined-up activities during the 2016 Environment Month Celebration:

1. **MANGROVE TREE PLANTING** at Brgy. Casantaan, Santo Tomas, La Union on June 1, 2016 wherein two hundred (200) bakawan propagules were planted

2. **ARBOR DAY** on June 25, 2016 at Brgy. Sta. Rita, Agoo, La Union

3. **CULMINATION PROGRAM** on July 4, 2016 at the DENR Conference Hall.

Ms. Gemmalyn Garcia, GAD FPS, signing on the “PANGAKO SA KALIKASAN” tarpaulin during the Environment Month culmination program

Participants during the celebration of Arbor Day. Species of Agoho and Auri were planted