



# Annexes



Beneficial owners of extractive  
companies in the Philippines

## **BENEFICIAL OWNERS OF EXTRACTIVE COMPANIES IN THE PHILIPPINES**

Based on company declaration to the Securities and Exchange Commission (SEC) and/or PH-EITI<sup>1</sup>

Based on company submissions to PH-EITI as of August 2, 2021<sup>2</sup>

### **SUMMARY**

<b>Participated</b>	<b># of companies: 36</b> <b># per sector:</b> 26 metallic, 9 non-metallic, 1 oil and gas	<b>Did not participate</b>	<b># of companies: 29</b> <b># per sector:</b> 15 metallic, 10 non-metallic, 3 oil and gas, 1 coal	<b>Partially participated</b>	<b># of companies: 14</b> <b># per sector:</b> 9 metallic, 5 non-metallic
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<b>PARTICIPATED</b>	<b>DID NOT PARTICIPATE</b>	<b>PARTIALLY PARTICIPATED</b>
<ol style="list-style-type: none"> <li>1. AAM-PHIL Natural Resources Exploration &amp; Development Corp.</li> <li>2. Adnama Mining Resources Inc.</li> <li>3. Agata Mining Ventures Inc., <i>operator of Agata Processing, Inc.</i></li> <li>4. BenguetCorp Nickel Mines Inc.</li> <li>5. Berong Nickel Corp.</li> <li>6. Cagdianao Mining Corp.</li> <li>7. Century Peak Corp.</li> <li>8. Techiron Resources, Inc.</li> </ol>	<ol style="list-style-type: none"> <li>1. Abra Mining &amp; Industrial Corp.</li> <li>2. MACARTHUR IRON PROJECTS CORP.</li> <li>3. Carmen Copper Corp.</li> <li>4. Atro Mining-Vitali Inc.</li> <li>5. Benguet Corporation</li> <li>6. Eramen Minerals, Inc.</li> <li>7. Filminera Resources Corporation</li> <li>8. Greenstone Resources Corp.</li> <li>9. Krominco, Inc.</li> </ol>	<ol style="list-style-type: none"> <li>1. Apex Mining Company Inc.</li> <li>2. Citinickel Mines &amp; Development Corp.</li> <li>3. CTP Construction &amp; Mining Corp.</li> <li>4. Itogon Suyoc Resources, Inc.</li> <li>5. LNL Archipelago Minerals Inc./Filipinas Mining</li> <li>6. Strong Built (Mining) Development Corporation</li> <li>7. Austral-Asia Link Mining</li> </ol>

<sup>1</sup> Based on the copy of the Beneficial Ownership Declaration form accomplished/executed and submitted by the company to the SEC (by virtue of SEC Memorandum Circular No. 15, s. 2019) and/or to PH-EITI in response to the latter's official request in line with the sixth PH-EITI reporting cycle. The PEP (politically exposed person) column is based on the PEP Declaration form accomplished/executed and submitted by the company to PH-EITI upon request. The actual forms submitted are in the custody of the PH-EITI secretariat within the DOF system and protected by encryption.

<sup>2</sup> The beneficial owners disclosed herein are as of the period covered by the company declarations submitted to PH-EITI between September 2020 and August 2021, which should generally cover 2019/2020, the first year SEC Memorandum Circular No. 15 was implemented.

<p>9. Carrascal Nickel Corporation  10. Dinapigue Mining Corp. (<i>formerly Geogen Corporation</i>)  11. FCF Minerals Corporation  12. Hinatuan Mining Corp.  13. Johson Gold Mining Corp.  14. Lepanto Consolidated Mining Company  15. Libjo Mining Corp.  16. OceanaGold Philippines, Inc.  17. Oriental Vision Mining Phils. Corp.  18. Pacific Nickel Philippines, Inc.  19. Philex Mining Corp.  20. Philsaga Mining Corporation  21. Platinum Group Metals Corp.  22. Shangfil Mining and Trading Corp.  23. Sinosteel Philippines H.Y. Mining Corp.  24. SR Metals, Inc.  25. Taganito Mining Corp.  26. Zambales Diversified Metals Corp  27. Dolomite Mining Corp.  28. Eagle Cement Corp.  29. Holcim Mining and Development Corporation  30. JLR Construction and Aggregates, Inc.  31. Northern Cement Corp.  32. Republic Cement Land &amp; Resources  33. Republic Cement and Building Materials, Inc.  34. Republic Cement Mindanao, Inc.  35. Rio Tuba Nickel Mining Corp.  36. PNOC - Exploration Corporation</p>	<p>10. Marcventures Mining &amp; Development Corp.  11. Mil-Oro Mining Corp./Austral-Asia Link Mining  12. Mt. Sinai Mining Exploration and Development Corporation  13. Nicua Corporation/Vincent Tan Tiong  14. Oriental Synergy Mining Corp.  15. Tribal Mining Corporation  16. Asencio-Pinzon Aggregates Corp.  17. Pacific Concrete Products, Inc.  18. Big Rock Aggregates Corp.  19. Gozon Dev't Corp./BL Gozon &amp; Co. Inc.  20. Hardrock Aggregates Inc.  21. San Rafael Dev't Corp. - <i>Operator: Majestic Earth Core Ventures, Inc</i>  22. Solid North Mineral Corp.  23. Solid Earth Dev. Corp.  24. Heirs of Arturo Zayco  25. Maria Cristina Chemical Industries (MCCI) Corporation  26. China International Mining Petroleum Co. Ltd.  27. Galoc Production Company SPC (<i>Formerly Galoc Production Company WLL</i>)  28. The Philodrill corporation  29. Semirara Mining and Power Corp</p>	<p>8. Hallmark Mining Corporation  9. Wellex Mining Corp./Vista Buena Mining Corp.  10. Bohol Limestone Corp.  11. Concrete Aggregates Corp.  12. Island Quarry &amp; Aggregates Corp./Solid Cement Corp.  13. Montalban Millex Aggregates Corporation  14. Rapid City Realty and Dev't Corp.</p>
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## A. METALLIC MINING

Name	Nationality	Country of Residence	% of Ownership / % of Voting Rights	Category of Beneficial Owner <sup>3</sup>	PEP <sup>4</sup> [Y/N]
<b>AAM-Phil Natural Resources Exploration and Development Corporation</b>					
Kho, Kitson Soriano	Philippines	Philippines	94%	A	No
Ngo, Francis Albert	Philippines	Philippines	1%	I - President	No
<b>Adnama Mining Resources Inc.</b>					
Borja, Fernando S.	Philippines	Philippines	40%	A	No
Borja, Beatriz Amanda L.	Philippines	Philippines	14%	B	No
Borja, Carmen L.	Philippines	Philippines	6%	D	No
<b>Agata Mining Ventures, Inc.</b>					

<sup>3</sup> The following are the categories of beneficial owner as provided and defined in SEC Memorandum Circular No. 15, s. 2019:

- A. Natural person(s) owning, directly or indirectly or through a chain of ownership, at least twenty-five percent (25%) of the voting rights, voting shares or capital of the reporting corporation.
- B. Natural person(s) who exercise control over the reporting corporation, alone or together with others, through any contract, understanding, relationship, intermediary or tiered entity.
- C. Natural person(s) having the ability to elect a majority of the board of directors/trustees, or any similar body, of the corporation.
- D. Natural person(s) having the ability to exert a dominant influence over the management or policies of the corporation.
- E. Natural person(s) whose directions, instructions, or wishes in conducting the affairs of the corporation are carried out by majority of the members of the board of directors of such corporation who are accustomed or under an obligation to act in accordance with such person's directions, instructions or wishes.
- F. Natural person(s) acting as stewards of the properties of corporations, where such properties are under the care or administration of said natural person(s).
- G. Natural person(s) who actually own or control the reporting corporation through nominee shareholders or nominee directors acting for or on behalf of such natural persons.
- H. Natural person(s) ultimately owning or controlling or exercising ultimate effective control over the corporation through other means not falling under any of the foregoing categories.
- I. Natural person(s) exercising control through positions held within a corporation (i.e., responsible for strategic decisions that fundamentally affect the business practices or general direction of the corporation such as the members of the board of directors or trustees or similar body within the corporation; or exercising executive control over the daily or regular affairs of the corporation through a senior management position). This category is only applicable in exceptional cases where no natural person is identifiable who ultimately owns or exerts control over the corporation, the reporting corporation having exhausted all reasonable means of identification and provided there are no grounds for suspicion.

<sup>4</sup> Politically exposed person (PEP), defined as holding or having held an elective or appointive position in government, either at the national or local level.

Villar, Manuel Paolo Aguilar	Philippines	Philippines	44.26%	A	No
<b>Benguet Corp. Nickel Mines Inc.</b>					
Mendoza, Reynaldo Pacamarra	Philippines	Philippines	0.00%	D	No
Fernandez, Lina Galing	Philippines	Philippines	0.00%	D	No
<b>Berong Nickel Corporation</b>					
Consunji, Isidro Almeda	Philippines	Philippines	(unidentified)	I	No
<b>Cagdianao Mining Corporation</b>					
Zamora, Martin Antonio, G	Philippines	Philippines	0	I	No
Brimo, Gerard, H.	Philippines	Philippines	0	I	No
Ang, Philip, T.	Philippines	Philippines	0	I	No
Higo, Toru	Philippines	Japan	0	I	No
Kamiya, Masahiro	Japan	Japan	0	I	No
Riingen, Maria Patricia, Z.	Philippines	Philippines	0	I	No
Virata, Luis, J.	Philippines	Philippines	0	I	No
Factoran, Fulgencio, S., Jr.	Philippines	Philippines	0	I	No
Dy, Frederick, Y	Philippines	Philippines	0	I	No
Zamora, Manuel, B., Jr.	Philippines	Philippines	0	Chairman Emeritus	No
<b>Century Peak Corporation</b>					
Century Peak Holdings Corp.	Philippines	Philippines	100.00%	A	No
<b>Carrascal Nickel Corporation</b>					
Co, Antonio Lim	Philippines	Philippines	21.15%	I	No
<b>Dinapigue Mining Corporation</b>					
Zamora, Martin Antonio, G.	Philippines	Philippines	0	I – President of Nickel Asia Corporation (NAC)	No
Brimo, Gerard, H.	Philippines	Philippines	0	I – Chairman and CEO of NAC	No
Ang, Philip, T.	Philippines	Philippines	0	I – Vice Chairman of NAC	No

Higo, Toru	Japan	Philippines	0	I – Director of NAC	No
Kamiya, Masahiro	Japan	Japan	0	I – Director of NAC	No
Riingen, Maria Patricia, Z.	Philippines	Philippines	0	I – Director of NAC	No
Virata, Luis, J.	Philippines	Philippines	0	I – Director of NAC	No
Factoran, Fulgencio, S., Jr.	Philippines	Philippines	0	I – Independent Director of NAC	No
Dy, Frederick, Y.	Philippines	Philippines	0	I – Independent Director of NAC	No
Zamora, Manuel, B., Jr.	Philippines	Philippines	0	Chairman Emeritus	No
<b>FCF Minerals Corporation</b>					
Bowden, Darren Patrick	Australia	Philippines	88%	I – Chairman/President	No
<b>Hinatuan Mining Corporation</b>					
Zamora, Martin Antonio, G	Philippines	Philippines	0	I – President of Nickel Asia Corporation (NAC)	No
Brimo, Gerard, H.	Philippines	Philippines	0	I – Chairman and CEO of NAC	No
Ang, Philip, T.	Philippines	Philippines	0	I – Vice Chairman of NAC	No
Higo, Toru	Japan	Philippines	0	I – Director of NAC	No
Kamiya, Masahiro	Japan	Japan	0	I – Director of NAC	No
Riingen, Maria Patricia, Z.	Philippines	Philippines	0	I – Director of NAC	No
Virata, Luis, J.	Philippines	Philippines	0	I – Director of NAC	No
Factoran, Fulgencio, S., Jr	Philippines	Philippines	0	I – Independent Director of NAC	No
Dy, Frederick, Y	Philippines	Philippines	0	I – Independent Director of NAC	No
Zamora, Manuel, B., Jr	Philippines	Philippines	0	Chairman Emeritus	No
<b>Johson Gold Mining Corp.</b>					
Bautista, Ma. Theresa Cadizon	Philippines	Philippines	92.5%	A, B, C	No
Marcelo, Jose Tagle Jr.	Philippines	Philippines	1%	F, G, H	No
Marcelo, Jason Mari Antonio	Philippines	Philippines	1%	I	No
<b>Lepanto Consolidated Mining Co.</b>					
Felipe U. Yap	Philippines	Philippines	0.59%	C	No

<b>Libjo Mining Corporation</b>					
Salvador B. Zamora III	Philippines	Philippines	55%	A, C, D, G	No
<b>Oceanagold (Philippines) Inc.<sup>5</sup></b>					
Michael Harvy Lou Holmes	Australia	Australia	0 (Nominee Share)	I – Director and Chairman	No
Joan D. Adaci-Cattiling	Philippines	Philippines	0 (Nominee Share)	I – Director and President	No
David James Way	New Zealand	New Zealand	0 (Nominee Share)	I – Director and General Manager	No
<b>Oriental Vision Mining Philippines Corp.</b>					
Borja, Fernando Selim	Philippines	Philippines	29%	A-I	No
<b>Pacific Nickel Philippines, Inc.</b>					
Ang, Ramon See	Philippines	Philippines	26.05%	A	No
Zobel, Iñigo Urquijo	Philippines	Philippines	59.96%	A	No
<b>Philex Mining Corporation</b>					
Manuel V. Pangilinan	Philippines	Philippines	0.09% direct ownership;  31.22% indirect ownership as Chairman of First Pacific Company Limited	D	No
<b>Philsaga Mining Corporation</b>					
Villanueva, Raul Conde	Philippines	Philippines	0.00%	I	No
<b>Platinum Group Metals Corporation</b>					
Sy, Joseph C.	Philippines	Philippines	0.00%	I	No
Bravo, Dante R.	Philippines	Philippines	0.00%	I	No
<b>Shangfil Mining and Trading Corp.</b>					

<sup>5</sup> OceanaGold Philippines Inc.'s parent company is OceanaGold Corporation; OGC is listed in Toronto and Australia stock exchanges



Lim, Nelson K.	Philippines	Philippines	25%	N/A	No
<b>Sinosteel Phils. H.Y. Mining Corporation</b>					
Tang, Willie Lim	Philippines	Philippines	25%	A	No
Wenliang, Pan	China	China	0%	I-Chairman	No
<b>SR Metals, Inc.</b>					
Gutierrez, Miguel Alberto Vazquez	Philippines	Philippines	30%	A	No
<b>Taganito Mining Corporation</b>					
Higo, Toru	Japan	Philippines		I – Director of NAC	No
Kamiya, Masahiro	Japan	Japan		I – Director of NAC	No
Riingen, Maria Patricia Z.	Philippines	Philippines		I – Director of NAC	No
Virata, Luis J.	Philippines	Philippines		I – Director of NAC	No
Factoran, Fulgencio S., Jr.	Philippines	Philippines		I – Independent Director of NAC	No
Dy, Frederick Y.	Philippines	Philippines		I – Independent Director of NAC	No
Zamora, Manuel B., Jr.	Philippines	Philippines		Chairman Emeritus	No
Aoyama, Masayuki	Japan	Japan		Director	No
Ichiyanagi, Hiroaki	Japan	Japan		Director	No
<b>Techiron Resources Inc.</b>					
Malinovskiy, Pavel	Russia	UAE	38%	A	No
Gil, Anthony James K.	Philippines	Philippines	2%	D, E	No
<b>Zambales Diversified Metals Corporation</b>					
Consunji, Isidro Almeda	Philippines	Philippines	0.00%	I - Chairman	No

## B. NON-METALLIC MINING

Name	Nationality	Country of Residence	% of Ownership / % of Voting Rights	Category of Beneficial Owner	PEP [Y/N]
<b>Dolomite Mining Corporation</b>					
Tuazon, Victor Masaru A.	Philippines	Philippines	68.959%	A	No
<b>Eagle Cement Corporation</b>					
Ang, Ramon See	Philippines	Philippines	86.57%	A	No
<b>Holcim Mining and Development Corporation</b>					
Renato A. Baja	Philippines	Philippines	<1.00%	I – President and General Manager	No
<b>JLR Construction and Aggregates Inc.</b>					
Regner, Lizbeth V.	Philippines	Philippines	49.60%	A	No
Regner, Vergel Luis V.	Philippines	Philippines	25.00%	A	No
Neri, Candice Regner	Philippines	Philippines	25.00%	A	No
<b>Northern Cement Corporation</b>					
Ang, Ramon See	Philippines	Philippines	32.92%	A	No
Zobel, Iñigo Urquijo	Philippines	Philippines	39.57%	A	No
<b>Republic Cement &amp; Building Materials Inc.</b>					
Sunico, Renato C.	Not disclosed	Not disclosed	N/A	I – President	No
<b>Republic Cement Land and Resources Inc.</b>					
Bolinas, Andres David M.	Not disclosed	Not disclosed	N/A	I – President	No
<b>Republic Cement Mindanao Inc.</b>					
LLOYD A. VICENTE	Not disclosed	Not disclosed	Not disclosed	I- Chairman and President	No
<b>Rio Tuba Nickel Mining Corporation</b>					
Zamora, Martin Antonio, G.	Philippines	Philippines	0	I – President and CEO of Nickel Asia Corporation	No
Brimo, Gerard, H.	Philippines	Philippines	0	I – Chairman of NAC	No
Ang, Philip, T.	Philippines	Philippines	0	I – Vice Chairman of NAC	No
Higo, Toru	Japan	Philippines	0	I – Director of NAC	No

Kamiya, Masahiro	Japan	Japan	0	I – Director of NAC	No
Riingen, Maria Patricia, Z.	Philippines	Philippines	0	I – Director of NAC	No
Virata, Luis, J.	Philippines	Philippines	0	I – Director of NAC	No
Factoran, Fulgencio, S., Jr.	Philippines	Philippines	0	I – Independent Director of NAC	No
Dy, Frederick, Y.	Philippines	Philippines	0	I – Independent Director of NAC	No
Zamora, Manuel, B., Jr.	Philippines	Philippines	0	Chairman Emeritus	No
Aoyama, Masayuki	Japan	Japan	0	I – Director	No
Ichiyanaagi, Hiroaki	Japan	Japan	0	I – Director	No
Okamura, Chitaru	Japan	Japan	0	I – Director	

### C. OIL AND GAS

Name	Nationality	Country of Residence	% of Ownership / % of Voting Rights	Category of Beneficial Owner	PEP [Y/N]
<b>Philippine National Oil Company – Exploration Corporation</b>					
Alfonso Gaba Cusi	Philippines	Philippines	N/A	I	Yes
Rozzano Dosado Briguez	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes
Carlo Magno Dureza Aldevara	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes
Farah Casin Cañezal	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes
Alejandro Albiso Cobol	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes
Oscar Hernandez Rabena	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes

Johnny Labayen Tuason	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes
Karl Ignatius Patino Young	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes
Avelino Mendoza Tayag	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes
Benjamin Escandor Palmero	Philippines	Philippines	1 Class B Share (0.00000004995%)	I	Yes
Candido Magsombol Magsombol	Philippines	Philippines	N/A	I	No
Lourdes Serafico Gelacio	Philippines	Philippines	N/A	I	No
Maria Luthgarda Midoranda Lacaba	Philippines	Philippines	N/A	I	No
Jaime Aquino Bacud	Philippines	Philippines	N/A	I	No
Cecilio G. Bautista	Philippines	Philippines	N/A	I	No
Maria Mercedes Angeles Maglaya	Philippines	Philippines	N/A	I	Yes
Czarina Keziah Enriquez Suarez	Philippines	Philippines	N/A	I	No
Rodrigo R. Duterte	Philippines	Philippines		C	Yes

#### D. COAL

Name	Nationality	Country of Residence	Category of Beneficial Owner	PEP [Y/N]

## Chapter 2 Annexes

1. Reporting template for the metallic and non-metallic mining sector

## ***Reporting template and schedules --- Companies***

### ***General guidelines***

Disclosures per reporting template should include all taxes attributed to **taxable year 2019** irrespective of whether these were settled or paid in 2018 (advance payments) or 2020 (post settlement). Essentially, **accrual basis will be adopted**; hence taxes disclosed should correspond to reported amounts per audited financial statements.

Reporting templates should present the total taxes/fees for the year with corresponding schedules disclosing the breakdown with the required level of detail (e.g. per frequency, receiving office) indicated in each.

Reporting templates should be completed and provided no later than **October 23, 2020**. Based on accomplished reporting templates, participating entities will be required to submit corresponding schedules for those taxes with noted differences, as well as supporting documents as needed by the reconciliation process.

**FAILURE TO SUBMIT THE TEMPLATES BEFORE THE DEADLINE WOULD MEAN THAT YOUR COMPANY'S DATA WILL BE REPORTED AS UNEXPLAINED DISCREPANCIES IN THE EITI REPORT.**

Please provide any relevant information for reconciliation process under remarks column. For example, participating entities may disclose if there were subsequent amendments made to initial filings and tax returns, or deficiency taxes (penalties, surcharges, interest) paid that may be included by government agencies in their respective reporting templates.

Reporting templates should be signed by an authorized representative of senior management such as President and Chief Finance Officer.

For queries and concerns, you may directly reach the PH-EITI Secretariat at (02) 8525 0497.

For companies with several projects, please accomplish **one template per project**.

## 1. Reporting templates

### COMPANY INFORMATION

NAME OF COMPANY:

NAME OF PROJECT:

PERTINENT GOVERNMENT CONTRACT (e.g., MPSA, FTAA, etc.):

ACCOUNTING PERIOD (CALENDAR/FISCAL):

If Fiscal Year, please indicate fiscal year end (e.g. June 30, 2019):

LOCATION OF PROJECT (REGION, PROVINCE, MUNICIPALITY, BARANGAY, NEIGHBORING BARANGAY/S):

ADDRESS OF COMPANY'S PRINCIPAL OFFICE:

Board members including designation:

TIN:

### A. Bureau of Internal Revenue (BIR)

Type of tax	Period covered (Cut-off date)	Amount paid	Remarks
Excise tax on minerals			
Corporate income tax			please specify if Regular or Minimum Corporate Income Tax
Withholding tax - Final			
<i>Foreign shareholder dividends</i>			
<i>Profit remittance to principal</i>			
<i>Royalties to claim owners</i>			
<i>Other final withholding tax</i>			
Withholding tax - Expanded			
Withholding tax - Compensation			
Improperly accumulated retained earnings tax (IAET)			

**B. Bureau of Customs (BOC)**

Type of tax	Period covered (Cut-off date)	Amount paid	Remarks
Customs duties			
VAT on imported materials and equipment			
Excise tax on imported goods (e.g. petroleum products)			



**C. Philippine Ports Authority (PPA)**

Type of tax	Period covered (Cut-off date)	Amount paid	Remarks
Wharfage fees			

**D. Mines and Geosciences Bureau (MGB)**

Type of payment	Period covered (Cut-off date)	Amount paid	Remarks
Royalty in mineral reservation			
Others (e.g. penalties, fines, etc.)			

**E. Local government unit (LGUs)**

*i. Main taxes/fees*

Type of taxes	Period covered (Cut-off date)	Amount paid	Remarks
Local business tax			
<i>Paid in Head Office</i>			
<i>Paid in Mine Site</i>			
Real property tax			
<i>Basic (Paid in Head Office)</i>			
<i>Special Education Fund (SEF) (Paid in Head Office)</i>			
<i>Basic (Paid in Mine Site)</i>			
<i>Special Education Fund (SEF) (Paid in Mine Site)</i>			
Occupation fees			
Mayor's permit			
Community Tax			



**F. Social funds (Mining)**

**1 Environmental Program/Plan**

PROGRAM	COMMITMENT (PhP)	No. of Years of Implementation
Environmental Protection and Enhancement Program		
Final Mine Rehabilitation and/or Decommissioning Plan		

**2 Environmental Funds**

Type	Mandated Amount of Fund	Beginning Balance (Balance deposited in the bank as of the end of previous Year)	Withdrawn amount from the fund*	Ending Balance (Balance deposited in the bank as of the end of current year)	Addition to the Fund	Period Covered	Audited by	Remarks
Mine Rehabilitation Fund								
a. Rehabilitation Cash Fund <sup>1</sup>								
b. Monitoring Trust Fund <sup>2</sup>								
Final Mine Rehabilitation and/or Decommissioning Fund <sup>3</sup>								
Mine Waste and Tailings Reserve Fund <sup>4</sup>								
Environmental Trust Fund <sup>5</sup>								

Note: \*Amount withdrawn is being used for the implementation of AEPEP.

**Administrator** - All funds, except for MWTF Reserve Fund are being administered by the Mine Rehabilitation Fund Committee (MRFC) concerned. MWT Reserve Fund is being administered by the CLR/FSC.

**Basis of Calculation**

1. RCF - The RCF shall be equivalent to 10% of the total amount needed to implement the EPEP or Five Million Pesos (PhP5,000,000.00), whichever is lower (Item b, Section 181, DENR Administrative Order 2010-21). It is being replenished annually.
2. MTF - The MTF shall not be less than PhP150,000.00 (Item a, Section 181, DENR Administrative Order 2010-21). It is being replenished quarterly.
3. FMRDF - The fund shall be based on the approved FMR/DP cost, which lodging is based on Table 1 (Section 187-B, DENR Administrative Order 2010-21).
4. MWT Reserve Fund - PhP0.05/MT of mine waste and/or PhP0.1/MT of mill tailings times the generated volume of mine waste/tailings, semi-annually. MWTRF is deposited in the National Treasury.
5. ETF - based on MOA between company and MRFC.

**3 Environmental Expenditures**

PROGRAM/ACTIVITY	Annual EPEP Cost (PhP)	Actual Expenditure of the Program/Activity (PhP)	Balance (PhP)	Period Covered	Remarks
Annual EPEP <sup>1</sup>					
Annual Work and Financial Plan (WFP) <sup>2</sup> for FMR/DP					
Compensation for claims for Damages from MWTF <sup>3</sup>					

**4. Social Development Management Program (SDMP)**

Coverage Period <sup>1</sup>	Year	3 Year Commitments			Mandated Expenditures <sup>2</sup>			Actual Expenditures <sup>3</sup>			Unspent Budget <sup>4</sup>			Remarks
		DIHNC	IEC	DMTG	DIHNC	IEC	DMTG	DIHNC	IEC	DMTG	DIHNC	IEC	DMTG	
	1													
	2													
	3													
	4													
	5													
	TOTAL													
	3-Year SDMP													

<sup>1</sup> Included from the year 3 Year SDMP initial

<sup>2</sup> Based on the approved 3 Year SDMP

<sup>3</sup> Mandated Expenditures based on actual 3 yrs of Operating Costs plus unpaid amount from previous SDMP

<sup>4</sup> Actual Expenditures

<sup>5</sup> Unspent amount from the previous SDMP

<sup>6</sup> Other organizational activities

**SDMP Accomplishment covering the periods Y\_\_\_\_\_ to Y\_\_\_\_\_ Current 3-year SDMP**

Area	Non-financial Metric used	Accomplishment to date	Cumulative costs to date	Beneficiaries
<b>Social Development &amp; Management (host and neighboring communities)</b>				
a. Human resource development and institutional building	Number of people trained per skill training program	Ex. 1,000 people	Ex. 2,400,000	Indicate name of language, etc.
b. Enterprise development and networking	Number of enterprises generated per livelihood program			
c. Assistance to infrastructure development and support services	Number of kilometers of road constructed			
	Number of kilometers of road rehabilitated			
	Number of houses energized			
d. Access to education and educational support programs	Number of students			
	Number of teachers given salary			
	Number of classrooms constructed			
	Number of classrooms rehabilitated			
e. Access to health services, health facilities and health professionals	Number of hospitals/health centers (total/total)			
	Number of patients given salary			
	Number of health professionals engaged by the program			
	Number of houses provided with potable water			
f. Protection and respect of socio-cultural values				
g. Use of facilities/services within the mine camp or plant site	Number of students enrolled in company-sponsored schools			
	Number of patients accommodated in company health facilities			
<b>Mining Technology and Geoscience advancement</b>				
a. Basic and applied research on mining technology, geoscience, and related subjects	Name of research program			
	Output of research undertaken			
b. Advanced studies related to mining which are conducted by qualified researchers	Number of qualified researchers			
c. Expenditures for scholars, fellows and trainees, including grants	Number of scholars			
d. Expenditures on equipment and capital facility in assistance for research and/or educational institutions				
<b>Information, Education &amp; Communication (IEC)</b>				

a. Establishment/enhancement/maintenance of information and publicity centers				
b. Publication of IEC materials on social, environmental and other issues/concerns	Number of pages of published newsletters and frequency of publication			
c. Expenditures for continuing public awareness and education campaigns	Nature of campaign			

**Other information**

- Entities are required to attach their 2015 Annual SDMP Report (as submitted to the MGB) as part of the completed reporting template. The said Report is expected to detail or enumerate expenditures or projects sourced from the SDMP.
- Who is the implementer/contractor?
- Who are the partner organizations?

**5. Safety and Health Programs**

Type	Total actual expenditures		Remarks
	Actual expenditures	Period covered	
Safety and Health Program			
<b>TOTAL AMOUNT</b>			

**G. National Commission on Indigenous People (NCIP)**

Type	Administrator	Basis of calculation Reference	Amount	Actual expenditures	Remarks
FPIC expenditure					
Field Based Investigation Fee					

Type	Recipient IP	Administrator	Basis of calculation		Actual expenditures	Remarks
			Reference	Amount		
Royalty for IPs						

**H. Project registration**

- Indicate existing registration (e.g. BOI, PEZA)
- Confirmation of fiscal incentives availed in 2015

Incentive	Yes	No	Amount
Income tax			
Duty free - importations			
Real property			
Any preferential tax rates applied			
Others (to enumerate)			

**I. Additional information**

**1. Company profile**

*Information to be included in Chapter 1 of the 7th PH-EDT Report.*

Location of Company projects per LGU and Barangay: ( Indicate coordinates and provide copy of maps)	
Board members of listed entities	
Who are the listed owners of the Company?	

**2. Employment data**

*Information to be included in Chapter 1 of the 7th PH-EDT Report.*

Local								Foreign			
Male				Female				Male		Female	
Regular		Contractual		Regular		Contractual		Regular	Consultant	Regular	Consultant
IP	Non-IP	IP	Non-IP	IP	Non-IP	IP	Non-IP				

	Total number of employees	Annual compensation
Company hired:		
a. Regular		
b. Contractual/seasonal		
Through contractors		

<b>TOTAL</b>		
--------------	--	--

**3. Economic linkages\***

*\*Information to be included in Chapter 1 of the 7th PH-EITI Report.*

	Type of service provided	Total number of suppliers	Amount of purchases during the year
From Suppliers and contractors of goods and services			
a. Host and neighboring communities			
b. Province			
c. Outside of province			
As supplier of goods and services		name of company supplied with goods and services	Amount of sales during the year

**Note: Include backward, forward, and horizontal linkages**

**4. Outside services (third party contractors)**

*\*Information to be included in Chapter 1 of the 7th PH-EITI Report.*

Name of contractor/supplier	Nature of service rendered	Manpower (headcount) allocated to the Company
PPA Contractor		



5. Gross production in metric tons (M/T)

Information to be included in Chapter 1 of the 7th PH-EITI Report.  
 (Provide supporting documents for production volume and sales data)

Mineral Product	Production		Local	Sales								
	Volume	Value		Volume	Value	Export		Country of Destination	Customer	Related to mining company	Price (Average / Range)	Fores
						Volume	In PHP					
Gold Dore (kgs)												
Contained gold (kgs)												
Contained silver (kgs)												
Copper Concentrate (DMT)												
Contained gold (kgs)												
Contained silver (kgs)												
Nickel Dross												
Shipping Ore (WMT)												
Chromite Ore/ Concentrate (DMT)												
Zinc Concentrate (DMT)												
Iron Ore/ Concentrate (DMT)												
Others (Specify)												

\*The nickel DSO, kindly specify type of ore

6. Grants and donations outside of SDMP

Information to be included in Chapter 1 of the 7th PH-EITI Report.

Recipient/s	Type of Donation (e.g. road, scholarship, etc.)	Amount (monetary equivalent)
LGUs		
IPs		
Others		

7. Enumeration of existing MCAs with IPs

Information to be included in Chapter 1 of the 7th PH-EITI Report.

B. Details of CSR projects undertaken

Information to be included in Chapter 1 of the 7th PH-EITI Report.

CSR Activities

Recipient/s	Activity	Materials/Supplies Procured	Amount in USD	Amount in PHP	Remarks

Infrastructure

Recipient/s	Type of Infrastructure	Unit of Measure (eg. KM, Linear Meter, SQM)	Total Project cost in USD	Total Project Cost in PHP	Remarks
LGUs					
IPs					
Others					

- List of activities undertaken, materials/supplies procured and facilities constructed during the year
- If possible, to attach available reports submitted to regulatory bodies (e.g. MGR/DESR)
- Infrastructure (roads, bridges) outside of the SDMP subsidized by the company. Indicate monetary equivalent



**9. Commitment fees and Royalty fees - for PMDC ONLY**

- Disaggregate the royalties and fees for each company

Name of company	Type of fees	Amount	Period covered	Remarks

***Certification***

I hereby certify the following:

- I am the duly authorized and designated representative of \_\_\_\_\_ with office address at \_\_\_\_\_; and

· All information disclosed and documents to be submitted in satisfaction of the EITI initiative are considered authentic and complete, and all statements and information provided therein are true and correct.

\_\_\_\_\_  
Authorized representative

Date

## Chapter 2 Annexes

### 2. Reporting template for oil and gas sector

## ***Reporting template and schedules --- Companies***

### ***General guidelines***

Disclosures per reporting template should include all taxes attributed to **taxable year 2019** irrespective of whether these were settled or paid in 2018 (advance payments) or 2020 (post settlement). Essentially, **accrual basis will be adopted**; hence taxes disclosed should correspond to reported amounts per audited financial statements.

Reporting templates should present the total taxes/fees for the year with corresponding schedules disclosing the breakdown with the required level of detail (e.g. per frequency, receiving office) indicated in each.

Reporting templates should be completed and provided no later than **January 15, 2021**. Based on accomplished reporting templates, participating entities will be required to submit corresponding schedules for those taxes with noted differences, as well as supporting documents as needed by the reconciliation process.

**FAILURE TO SUBMIT THE TEMPLATES BEFORE THE DEADLINE WOULD MEAN THAT YOUR COMPANY'S DATA WILL BE REPORTED AS UNEXPLAINED DISCREPANCIES IN THE EITI REPORT.**

Please provide any relevant information for reconciliation process under remarks column. For example, participating entities may disclose if there were subsequent amendments made to initial filings and tax returns, or deficiency taxes (penalties, surcharges, interest) paid that may be included by government agencies in their respective reporting templates.

Reporting templates should be signed by an authorized representative of senior management such as President and Chief Finance Officer.

For queries and concerns, you may directly reach the PH-EITI Secretariat at (02) 8525 0497.

For companies with several projects, please accomplish **one template per project**.



## 1. Reporting templates

### COMPANY INFORMATION

NAME OF COMPANY:

NAME OF PROJECT:

PERTINENT GOVERNMENT CONTRACT (e.g., MPSA, FTAA, etc.):

ACCOUNTING PERIOD (CALENDAR/FISCAL):

If Fiscal Year, please indicate fiscal year end (e.g. June 30, 2019):

LOCATION OF PROJECT (REGION, PROVINCE, MUNICIPALITY, BARANGAY, NEIGHBORING BARANGAY/S):

ADDRESS OF COMPANY'S PRINCIPAL OFFICE:

Board members including designation:

TIN:

### A. Bureau of Internal Revenue (BIR)

Type of tax	Period covered (Cut-off date)	Amount paid	Remarks
Excise tax on minerals			
Corporate income tax			please specify if Regular or Minimum Corporate Income Tax
Withholding tax - Final			
<i>Foreign shareholder dividends</i>			
<i>Profit remittance to principal</i>			
<i>Royalties to claim owners</i>			
<i>Other final withholding tax</i>			
Withholding tax - Expanded			
Withholding tax - Compensation			
Improperly accumulated retained earnings tax (IAET)			

***B. Bureau of Customs (BOC)***

<b>Type of tax</b>	<b>Period covered (Cut-off date)</b>	<b>Amount paid</b>	<b>Remarks</b>
Customs duties			
VAT on imported materials and equipment			
Excise tax on imported goods (e.g. petroleum products)			

**C. Philippine Ports Authority (PPA)**

Type of tax	Period covered (Cut-off date)	Amount paid	Remarks
Wharfrage fees			

**D. Mines and Geosciences Bureau (MGB)**

Type of payment	Period covered (Cut-off date)	Amount paid	Remarks
Royalty in mineral reservation			
Others (e.g. penalties, fines, etc.)			

**E. Local government unit (LGUs)**

*i. Main taxes/fees*

Type of taxes	Period covered (Cut-off date)	Amount paid	Remarks
Local business tax			
<i>Paid in Head Office</i>			
<i>Paid in Mine Site</i>			
Real property tax			
<i>Basic (Paid in Head Office)</i>			
<i>Special Education Fund (SEF) (Paid in Head Office)</i>			
<i>Basic (Paid in Mine Site)</i>			
<i>Special Education Fund (SEF) (Paid in Mine Site)</i>			
Occupation fees			
Mayor's permit			
Community Tax			
Tax on Sand, Gravel and Other Quarry Resources			

*ii. Payments based on specific LGU Codes/Ordinances and other regulations*

Payments Made to LGUs by Mining Companies	Rate/Amount [Please Specify Rate or Amount]	Legal Basis [Please Specify Section/Article Number of Ordinance]	Responsible Office within LGU (Assessment)	Responsible Office within LGU (Collection)

**F. Department of Energy (DOE)**

*i. Tax/fees payments*

Type of payment	Amount paid		Remarks
	in USD	in PHP	
Government share from oil and gas production			
<b>Government share from coal production</b>			
Allocated to BIR for income taxes and others			
Allocated to LGU			
Net government share			
Signature Bonus (Clause 20.01 DOE Model Contract)			
Discovery bonus (Clause 20.02 DOE Model Contract)			
Production bonus (Clause 20.03, .02, .05, DOE Model contract)			
Annual Rental fees for retained area after exploration (Sec 9(e) PD 87, Clause 5.04 DOE Model Contract)			
Payment of contractor in case of default in performance (Clause 6.04 Model Contract)			
Data fees			

*Guidelines/Reminders*

- Entities should likewise disclose PhP equivalent upon payment date and corresponding foreign exchange rate used under the remarks column.
- If certain fees were paid in another period (e.g. discover bonus), kindly indicate the same under the remarks column, as well as actual year.

ii. Social funds

Type	Source of funds (name of project)	Name of recipients/beneficiaries of funds	Amount of fund (Balance as at December 31, 2018)	Total actual expenditures		Remarks
				Amount spent (in USD & PHP)	Period covered	

*Guidelines/Reminders*

- Administrator - Identify the entity that manages the fund (i.e. Company, government institutions/units, officers or representatives)
- Basis of calculation - Describe how total amount of the fund was calculated (e.g. as percentage of revenue/operating costs, as specified in Memorandum of Agreement (MOA) or service contract, etc.).



**G. Project registration**

- Indicate existing registration (e.g. BDI, PZZA)
- Confirmation of Social incentives awarded in 2019

Incentive	Yes (include date granted, expiry date, incentive-granting body)	No	Amount
Income tax holiday			
Duty free - Importation			
Real property tax			
Any preferential/special tax rates applied (if yes, include type, e.g. 5% Gross Income Tax)			
Others (to enumerate)			

**H. Additional information**

**1. Company profile**

*Information to be included in Chapter 1 of the 3th PH-EITI Report.*

Location of Company projects per LDC and Subregion (Indicate coordinates and provide map of maps)	
Board members of listed entities	
Who are the listed owners of the Company?	

**2. Employment data**

*Information to be included in Chapter 1 of the 3th PH-EITI Report.*

Local				Foreign			
Male		Female		Male		Female	
Regular	Contractual	Regular	Contractual	Regular	Contractual	Regular	Contractual
IP	Non-IP	IP	Non-IP	IP	Non-IP	IP	Non-IP

Company level	Total number of employees	Annual compensation
a. Regular		
b. Contractual/seasonal		
Through contractors		
<b>TOTAL</b>		

**3. Economic linkages\***

*Information to be included in Chapter 1 of the 3th PH-EITI Report.*

	Type of service provided/rendered	Total number of suppliers	Amount of purchases during 2019
From suppliers and contractors of goods and services			
a. Host and neighboring countries			
b. Province			
c. Outside of province			
As supplier of goods and services		name of company supplied with goods and services	Amount of sales during the year

*Note: Include backward, forward, and horizontal linkages*

**4. Outside services (third party contractors)**

*Information to be included in Chapter 1 of the 3th PH-EITI Report.*

Name of contractor/supplier	Nature of service rendered	Manpower (headcount) allocated to the Company, if any
PPA Contractor		

**5. Grants and donations**

*Information to be included in Chapter 1 of the 3th PH-EITI report. For explanation, see Section II, Explanation and production, Chapter 1 of the 3th PH-EITI Country Report.*

Recipient/s	Type of Donation (e.g. road, scholarship, etc.)	Amount (monetary equivalent)
LEEs		
IPs		
Others		

6. Gross production

*Information to be included in Chapter 2 of the 7th PH-EITI Report.*

*(Provide supporting documents for production volume and sales data)*

Product	Production		Local	Sales			Country of Destination	Customer	Related to company	Price (Average / Range)	Forum	
	Volume	Value		Volume	Value	Export						
						Volume						In PHP
Oil												
Natural gas												
Condensate												
Others (Specify)												

7. Other withholding taxes

*Information to be included in Chapter 2 of the 7th PH-EITI report. For reference, see Section II, Exploration and production, Chapter 2 of the third PH-EITI Country Report.*

Type of withholding tax	Cutoff date (Period covered)	Amount remitted	Remarks
Withholding tax on VAT and other percentage taxes (1600)			
Withholding tax on compensation (1601-C)			
Expanded withholding tax (1601-E)			
Final withholding tax (1601-F)			
Fringe benefits tax (1603)			
VAT (120208 / 120209)			

8. Details of CSR projects undertaken

*Information to be included in Chapter 2 of the 7th PH-EITI Report.*

CSR Activities

Recipient/s	Activity	Materials/Supplies Procured	Amount in USD	Amount in PHP	Remarks

Infrastructure

Recipient/s	Type of Infrastructure	Unit of Measure (eg. KM, Linear Metres, SQM)	Total Project cost in USD	Total Project Cost in PHP	Remarks
LGUs					
IPs					
Others					

- List of activities undertaken, materials/supplies procured and facilities constructed during the year
- If possible, to attach available reports submitted to regulatory bodies (e.g. DOB/DENR)
- Infrastructure (roads, bridges) outside of the RDMP subsidized by the company. Indicate monetary equivalent

***Certification***

I hereby certify the following:

· I am the duly authorized and designated representative of \_\_\_\_\_ with office address at \_\_\_\_\_; and

· All information disclosed and documents to be submitted in satisfaction of the EITI initiative are considered authentic and complete, and all statements and information provided therein are true and correct.

\_\_\_\_\_  
Authorized representative

Date

## Chapter 2 Annexes

### 3. Reporting template for gender and employment

## Gender Reporting Template

1. Employees are those selected and hired by the company, under the supervision and control of the company as to work results and means employed to achieve those results, and whose wages and benefits the company is obliged to pay.

Total number of employees			
<b>Company hired:</b>	<input type="text"/>	Male: _____	Female: _____
<b>Indigenous People (IP):</b>	<input type="text"/>	Male: _____	Female: _____
<b>Regular:</b>	<input type="text"/>	Male: _____	Female: _____
<b>Probationary:</b>	<input type="text"/>	Male: _____	Female: _____
<b>From host barangays:</b>	<input type="text"/>	Male: _____	Female: _____
<b>From neighboring barangays:</b>	<input type="text"/>	Male: _____	Female: _____

2. Total **Project workers:**  Male: \_\_\_\_\_ Female: \_\_\_\_\_

Nature of Project (please specify):

3. Total **Seasonal workers:**

Male: \_\_\_\_\_

Nature of work (please specify):

Female: \_\_\_\_\_

Nature of work (please specify):

4. Total **Subcontracted workers:**

Male: \_\_\_\_\_

Nature of work (please specify):

Female: \_\_\_\_\_

Nature of work (please specify):

Foreign Employment			
<b>Foreign Employees:</b>	<input type="text"/>	Male: _____	Female: _____
<b>Regular</b>	<input type="text"/>	Male: _____	Female: _____
<b>Consultants</b>	<input type="text"/>	Male: _____	Female: _____

5 Number of female employees, per rank:

<b>Operations:</b>	<input type="text"/>
Rank & file:	_____
Junior staff (supervisors):	_____
Senior staff (managers):	_____
<b>Administrative:</b>	<input type="text"/>
Rank & file:	_____
Junior staff (supervisors):	_____
Senior staff (managers):	_____

6. Number of female employees, per nature of work

<b>6.1. Operations</b>	
Mining Engineers:	_____
Geologists:	_____
Chemists/chemical engineers:	_____
Metallurgists:	_____
Electrical engineers:	_____
Assayists:	_____
Mill operators:	_____
Drillers:	_____
Muckers:	_____
Environment rehabilitation/ reforestation workers :	_____
Others (please specify):	_____
<b>6.2 Administrative</b>	
Accounting and Finance (total):	<input type="text"/>
Accountants:	_____
Bookkeepers:	_____
Office clerks/secretaries:	_____
Others (please specify):	_____
Legal (total):	<input type="text"/>

Lawyers: \_\_\_\_\_  
 Office clerks/secretaries: \_\_\_\_\_  
 Others (please specify): \_\_\_\_\_

Community Relations: \_\_\_\_\_  
 Safety, Health, and Environment: \_\_\_\_\_  
 Warehouse and Inventory: \_\_\_\_\_  
 Purchasing: \_\_\_\_\_  
 Medical (total): \_\_\_\_\_  
   Physicians: \_\_\_\_\_  
   Nurses: \_\_\_\_\_  
   Others (please specify): \_\_\_\_\_

Drivers: \_\_\_\_\_  
 Security guards: \_\_\_\_\_  
 Site maintenance (utility personnel): \_\_\_\_\_  
 Housekeeping/Kitchen staff: \_\_\_\_\_  
 Others (please specify): \_\_\_\_\_

7. Does your company have a union?  1 - Yes 2 - No  
 7.1. If yes, are there women employees who are members of the union?  1 - Yes 2 - No  
 7.2. How many women employees are members of the union?

8. Is there an all-women employees' organization/association in your company?  1 - Yes 2 - No  
 8.1. If your answer is yes, what is the general purpose of this all-women employees' organization/association?

8.2. Are all women employees, regardless of rank or position, members of this all-women employees' organization/association?  1 - Yes 2 - No

Please explain:

<b>Compensation and benefits for female employees</b>	1 - Yes 2 - No	Please explain your answer.
9. Do female employees receive the same pay as their male counterparts of the same position or rank?		
10. Do female employees receive the same pay as their male counterparts for work of the same nature?		
11. Are female employees given the same work assignment and opportunities as their male counterparts of the same educational qualification or training?		
12. Do female employees have equal opportunity for promotion as their male colleagues who have the same/similar educational qualification and perform the same or similar work?		

13. What is the gross basic salary range of female employees?

Senior staff:

Please choose one of the following:

- |          |                     |          |                 |
|----------|---------------------|----------|-----------------|
| <b>1</b> | >100,000 and higher | <b>4</b> | >70,000-80,000  |
| <b>2</b> | >90,000-100,000     | <b>5</b> | > 60,000-70,000 |
| <b>3</b> | >80,000-90,000      | <b>6</b> | Below 60,000    |

Junior staff:

Please choose one of the following:

- |          |                 |          |                |
|----------|-----------------|----------|----------------|
| <b>1</b> | > 50,000-60,000 | <b>3</b> | >30,000-40,000 |
| <b>2</b> | > 40,000-50,000 | <b>4</b> | Below 30,000   |

Rank and file:

Please choose one of the following:

- |          |                 |          |                  |
|----------|-----------------|----------|------------------|
| <b>1</b> | > 20,000-30,000 | <b>3</b> | > 10,000-15,000  |
| <b>2</b> | > 15,000-20,000 | <b>4</b> | 10,000 and below |

14. Leaves that the company provides for its employees, whether male or female: 1 - Yes 2 - No

<input type="text"/>	Maternity Leave	<input type="text"/>	Solo parent leave
<input type="text"/>	Paternity Leave	<input type="text"/>	VAWC leave

15. Benefits and services that are available to employees in your company: 1 - Yes 2 - No

<input type="text"/>	Day care services for children of employees
<input type="text"/>	Health insurance
<input type="text"/>	Hospitalization
<input type="text"/>	Educational scholarships for children
<input type="text"/>	Transportation from mining site to residence

16. Does your company have the following facilities? 1 - Yes 2 - No

<input type="text"/>	<b>On-site hospital</b>
<input type="text"/>	Level 1
<input type="text"/>	Level 2
<input type="text"/>	Level 3
<input type="text"/>	<b>On-site primary care facility</b>
<input type="text"/>	Infirmiry (with in-patient beds)
<input type="text"/>	Out-patient clinic (without beds)
<input type="text"/>	Dental clinic
<input type="text"/>	<b>On-site pharmacy</b>

1 - Yes 2 - No

17. Who may avail of services in the on-site hospital or on-site primary care facility?

<input type="text"/>	Employees only
<input type="text"/>	Employees and their dependents
<input type="text"/>	Employees and their dependents as well as non-employees/general public

18. Are the services in the on-site hospital or on-site primary care facility free for female employees?  1 - Yes 2 - No

18. Are the services in the on-site hospital or on-site primary care facility free for the dependents of female employees?  1 - Yes 2 - No

19. If the services in the on-site hospital or on-site primary care facility are available to the general public, are the services free?  1 - Yes 2 - No



20. Does the company provide ambulance or transport services to women employees who need emergency medical care outside company premises?  1 - Yes 2 - No

21. Does the company provide women employees housing or housing benefits?  1 - Yes 2 - No

22. If the answer is yes, what is the nature of the housing/housing benefit?   
**1** Free lodging within the company premises  
**2** Rent subsidy for housing outside of company premises

23. Does your company provide skills training for women?	1 - Yes 2 - No	If yes, please enumerate the skills training.
23.1. Women employees		
23.2. Women from host barangay/s		
23.3. Women from neighboring barangay/s		

**Company policies, rules, and regulations**

24. Does your company have a policy on equal opportunity for qualified women to be hired for available positions?  1 - Yes 2 - No

25. Does your company have a policy against sexual harassment?  1 - Yes 2 - No

26. Does your company have rules and regulations against sexual harassment?  1 - Yes 2 - No

27. Does your company have written procedure for the investigation of sexual harassment complaints?  1 - Yes 2 - No

28. Does your company have an established committee on decorum and investigation constituted in accordance with Republic Act No. 7877 (Anti-Sexual Harassment Act of 1995)?  1 - Yes 2 - No

29. Has your company ever received any complaint of sexual harassment?  1 - Yes 2 - No

30. To the best of your knowledge, does sexual harassment occur in your company?  1 - Yes 2 - No

31. How many complaints of sexual harassment has your company received after the Anti-Sexual Harassment Act was passed in 1995?

32. Does your company have a GAD office or GAD officer?  1 - Yes 2 - No

33. Is 'gender' or are gender issues discussed in your company?  1 - Yes 2 - No

34. If your answer to 42 is yes, what gender issues are discussed in your company? (Please specify.)

35. Has your company or any of its executives/managers/supervisors received any complaint or has been informed, whether formally or informally, of any of the following problems, issues, or concerns affecting women employees? (Please input 1).

- Unsafe working conditions for women
- Inappropriate working conditions for women
- Personal safety and security
- Sexual harassment
- Disrespect for women
- Domestic violence
- Other forms of abuse
- Lack of services for women-specific needs
- Discrimination in:
  - salary/compensation/benefits
  - promotion

## Chapter 2 Annexes

### 4. Reporting template for COVID-19 response

## **COVID-19 Response --- Companies**

### **General guidelines.**

Disclosures per reporting template should include all taxes attributed to taxable year 2019 irrespective of whether these were settled or paid in 2018 (advance payments) or 2020 (post settlement). Essentially, **accrual basis will be adopted**; hence taxes disclosed should correspond to reported amounts per audited financial statements.

Reporting templates should present the total taxes/fees for the year with corresponding schedules disclosing the breakdown with the required level of detail (e.g. per frequency, receiving office) indicated in each.

ORE Submissions should be completed and provided no later than **October 23**.

**FAILURE TO SUBMIT THE ORE SUBMISSIONS BEFORE THE DEADLINE WOULD MEAN THAT YOUR COMPANY'S DATA WILL BE REPORTED AS UNEXPLAINED DISCREPANCIES IN THE EITI REPORT.**

Please provide any relevant information for reconciliation process under remarks column. For example, participating entities may disclose if there were subsequent amendments made to initial filings and tax returns, or deficiency taxes (penalties, surcharges, interest) paid that may be included by government agencies in their respective reporting templates.

For queries and concerns, you may directly reach the Independent Administrator or the PH-EITI Secretariat.

Once accomplished and checked by your Authorized Representative, you may upload this file to your reporting entity's/ies' ORE Workspace. Let's all aim for #zerovarianceFY2019



Please take note that we are collecting data on your "unspent" 2019 SDMP funds that have been realigned for COVID-19 response. If there are COVID-19 efforts being supported by 2020 funds, kindly include them in your reporting and note in the remarks column/section/field that the amount declared is from 2020 funds.

For the Period: [month, day - month, day, year]

Applicable power/authority	Program/Activity	Areas Covered (Region, Province, Municipality)	Number of Target Beneficiaries*	Number of Target Beneficiaries Served*	Budget Allocation*	Budget Utilized*	Remarks
			<p>Frontliners/ Individuals</p> <p>Households/ Families</p>	<p>Frontliners/ Individuals</p> <p>Households/ Families</p>			

Chapter 2 Annexes  
5. Schedule of Payments

## ***Payment schedules --- Companies***

### ***General guidelines.***

Disclosures per reporting template should include all taxes attributed to taxable year 2019 irrespective of whether these were settled or paid in 2018 (advance payments) or 2020 (post settlement). Essentially, **accrual basis will be adopted**; hence taxes disclosed should correspond to reported amounts per audited financial statements.

Reporting templates should present the total taxes/fees for the year with corresponding schedules disclosing the breakdown with the required level of detail (e.g. per frequency, receiving office) indicated in each.

ORE Submissions should be completed and provided no later than **October 23**.

**FAILURE TO SUBMIT THE ORE SUBMISSIONS BEFORE THE DEADLINE WOULD MEAN THAT YOUR COMPANY'S DATA WILL BE REPORTED AS UNEXPLAINED DISCREPANCIES IN THE EITI REPORT.**

Please provide any relevant information for reconciliation process under remarks column. For example, participating entities may disclose if there were subsequent amendments made to initial filings and tax returns, or deficiency taxes (penalties, surcharges, interest) paid that may be included by government agencies in their respective reporting templates.

For queries and concerns, you may directly reach the Independent Administrator or the PH-EITI Secretariat.

For companies with several projects, please accomplish one Workspace and schedule of payments per project.

Once accomplished and checked by your Authorized Representative, you may upload this file to your reporting entity's/ies' ORE Workspace, specifically in the General Information form. Let's all aim for #zerovarianceFY2019



Name of Company:   
 Project Name:   
 Contract Number (e.g., MPSA, SC):

Location of Operations   
 Province/s:   
 Municipality/ies:   
 Barangay/s:

**Bureau of Internal Revenue**

Reference pertains to the basis of calculation used by the Company in determining tax to be paid. Tax base is the quantitative equivalent of said reference. Example as follows: Type of tax: Excise tax | Reference: Gross market value of shipments | Tax base: PHP XXX.XX

**A. BIR - Excise tax on minerals**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	Basis of calculation			Amount paid	Remarks
						Reference	Tax base	Tax rate		
Excise tax on minerals										
Excise tax on minerals										
Excise tax on minerals										
<b>Total</b>									-	

**A. BIR - Corporate Income tax**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	Basis of calculation			Amount paid	Remarks
						Reference	Tax base	Tax rate		
Corporate Income Tax										
Corporate Income Tax										
Corporate Income Tax										
<b>Total</b>									-	

**A. BIR - Final Withholding Tax on Foreign Shareholder Dividends**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	ATC	Basis of calculation			Amount paid	Remarks
							Reference	Tax base	Tax rate		
Final Withholding Tax on Foreign Shareholder Dividends											
Final Withholding Tax on Foreign Shareholder Dividends											
Final Withholding Tax on Foreign Shareholder Dividends											
<b>Total</b>									-		

**A. BIR - Final Withholding Tax on Profit Remittance to Principal**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	ATC	Basis of calculation			Amount paid	Remarks
							Reference	Tax base	Tax rate		
Final Withholding Tax on Profit Remittance to Principal											
Final Withholding Tax on Profit Remittance to Principal											
Final Withholding Tax on Profit Remittance to Principal											
<b>Total</b>									-		

**A. BIR - Final Withholding Tax on Royalties to claim owners**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	ATC	Basis of calculation			Amount paid	Remarks
							Reference	Tax base	Tax rate		
Final Withholding Tax on Royalties to claim owners											
Final Withholding Tax on Royalties to claim owners											
Final Withholding Tax on Royalties to claim owners											
<b>Total</b>									-		

**A. BIR - Other Final Withholding Tax**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	ATC	Basis of calculation			Amount paid	Remarks
							Reference	Tax base	Tax rate		
Other Final Withholding Tax											
Other Final Withholding Tax											
Other Final Withholding Tax											

**A. BIR - Expanded Withholding Tax**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	Reference	Basis of calculation			Amount paid	Remarks
							Tax base	Tax rate			
Expanded Withholding Tax											
Expanded Withholding Tax											
Expanded Withholding Tax											

**A. BIR - Withholding Tax on Compensation**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	Reference	Basis of calculation			Amount paid	Remarks
							Tax base	Tax rate			
Withholding Tax on Compensation											
Withholding Tax on Compensation											
Withholding Tax on Compensation											

**A. BIR - Improperly accumulated retained earnings tax**

Type of tax	Return Period	Date paid	Filing reference no.	Proof of payment	RDO/Bank branch receiving payment	Reference	Basis of calculation			Amount paid	Remarks
							Tax base	Tax rate			
Improperly accumulated retained earnings tax											
Improperly accumulated retained earnings tax											
Improperly accumulated retained earnings tax											

**Supporting documents to be prepared for the reconciliation process:**

Excise tax on minerals	2200P / 2200M
Corporate income tax	1702Q / 1702
Withholding tax	1601CF / 1601EQ / 1601FQ
Improperly accumulated retained earnings tax (LAET)	1704
Documentary stamp tax	2000

**Bureau of Customs**

Reference primarily pertains to dutiable value and may include landed cost for duties, market value of imported acquisitions for VAT, and others. Tax base represents the equivalent monetary value of dutiable reference.

Type of tax	Import Entry No.	Registration Date	Receipt No.	Receipt Date	BOC office (Port) receiving payment	Basis of calculation			Amount paid	Remarks
						Reference	Tax base	Tax rate		
Custom Duties										
VAT on imported materials and equipment										
Excise tax on imported goods (e.g. petroleum products)										

**Supporting documents to be prepared for the reconciliation process:**

Customs duties	BOC Import Entry & Internal Revenue
----------------	-------------------------------------



VAT on imported materials and equipment	6. IMPORTED RECEIPTS Declaration (Form No. 236), Proof of payment
Excise tax on imported goods (e.g. petroleum products)	

### Philippine Ports Authority

If possible, to disclose payments on a per PMO and port/terminal basis specifically for those operating at multi locations (provinces).

#### C. PPA - Wharfage Fees

Type of tax	Date paid	Proof of payment	PORT Management Office (PMO)	Basis of calculation		Amount paid	Remarks
				Tax base	Tax rate		
Wharfage fees							
Wharfage fees							
Wharfage fees							
<b>Total</b>						-	

Supporting documents to be prepared for the reconciliation process:

Wharfage fees	Official Receipt from government agency
---------------	---

### Department of Energy

Type of payment	Date Paid	Proof of payment (eg. Official Receipt)	Amount		Basis of calculation		Remarks
			in USD	in PHP	Reference	Amount Paid	
Government Share							
Annual rental fee							
<b>Total</b>						-	

### Mines and Geosciences Bureau

For occupation fees, to disclose to which project this relates to under the remarks column to facilitate reconciliation with the MGB.

Likewise, if the entity is operating a number of projects across various locations, the reporting template should disclose royalty payments to each area.

#### E. MGB - Royalty in Mineral Reservation

Type of tax	Date paid	Proof of payment	MGB office receiving payment	Basis of calculation		Amount paid	Remarks
				Reference	Tax rate		
Royalty in Mineral Reservation							
Royalty in Mineral Reservation							
Royalty in Mineral Reservation							
<b>Total</b>						-	

#### E. MGB - Occupation Fees

Type of tax	Date paid	Proof of payment	MGB office receiving payment	Basis of calculation		Amount paid	Remarks
				Reference	Tax rate		
Occupation Fees							
Occupation Fees							
Occupation Fees							

**Total**

*E. MGB - Others (e.g., penalties, fines, etc)*

Type of tax	Date paid	Proof of payment	MGB office receiving payment	Basis of calculation		Amount paid	Remarks
				Reference	Tax rate		
				<b>Total</b>			

Supporting documents to be prepared for the reconciliation process:

Royalty in mineral reservation	
Occupation fees	Official Receipt from government agency
Others (e.g. penalties, fines, etc.)	

**Local Government Unit**

*F. Local government unit - Business Taxes*

Type of tax	Date paid	Proof of payment	LGU receiving payment	Basis of calculation			Amount paid	Head Office / Mine Site	Remarks
				Reference	Tax base	Tax rate			
Business Tax									
Business Tax									
Business Tax									
				<b>Total</b>					

*F. Local government unit - Real Property Tax (Basic)*

Type of tax	Date paid	Proof of payment	LGU receiving payment	Basis of calculation			Amount paid	Head Office / Mine Site	Remarks
				Reference	Tax base	Tax rate			
Real Property Tax - Basic									
Real Property Tax - Basic									
Real Property Tax - Basic									
				<b>Total</b>					

*F. Local government unit - Real Property Tax (SEF)*

Type of tax	Date paid	Proof of payment	LGU receiving payment	Basis of calculation			Amount paid	Head Office / Mine Site	Remarks
				Reference	Tax base	Tax rate			
Real Property Tax - SEF									
Real Property Tax - SEF									
Real Property Tax - SEF									
				<b>Total</b>					

*F. Local government unit - Others*

Type of tax	Date paid	Proof of payment	LGU receiving payment	Basis of calculation			Amount paid	Head Office / Mine Site	Remarks
				Reference	Tax base	Tax rate			
Occupation fees									

Mayor's permit									
Community Tax									
							<b>Total</b>		

Supporting documents to be prepared for the reconciliation process:

Local business tax  
 Real property tax  
 - Basic ..... Official Receipt  
 - Special Education Fund (SEF) ..... from government  
 Occupation fees ..... agency  
 Mayor's permit  
 Community Tax

**National Commission on Indigenous Peoples**

**G. Royalty to Indigenous Peoples**

Type of Payment	Recipient IP	Administrator	Date Paid	Proof of Payment	Basis of calculation		Amount Paid	Remarks
					Base	Rate		
Royalty to Indigenous Peoples								
Royalty to Indigenous Peoples								
Royalty to Indigenous Peoples								
							<b>Total</b>	

Supporting documents to be prepared for the reconciliation process:

Royalty to Indigenous Peoples ..... Proof of payment  
 evidenced by receipt  
 of administrator

Chapter 2 Annexes

**6. BIR/Taxpayer's Waiver Template**

**TAXPAYER’S WAIVER  
FOR PURPOSES OF THE PHILIPPINE IMPLEMENTATION OF  
THE EXTRACTIVE INDUSTRIES TRANSPARENCY INITIATIVE**

I, **[NAME OF AUTHORIZED REPRESENTATIVE]**, the **[POSITION/TITLE]** and duly authorized representative of **[NAME OF THE MINING/EXTRACTIVE FIRM]** (TIN: **insert TIN number here**) (the “Company”) with principal office address at **insert office address here**, under oath, hereby –

1. Freely consents and allows the Commissioner of Internal Revenue (the “Commissioner”) and her duly authorized representatives to disclose, supply, and/or furnish the Extractive Industries Transparency Initiative (“EITI”), financial information on taxes paid by the Company, based on the information contained in the Company’s tax returns, audited financial statements and related information available in the possession of the Bureau of Internal Revenue (the “Bureau”), particularly its internal revenue tax payments for the taxable year **2019**;
2. Holds free from the liabilities sanctioned under (1) Section 270 of the National Internal Revenue Code of 1997, as amended, (2) Republic Act (“R.A.”) No. 6713, also known as the Code of Conduct and Ethical Standards for Public Officials, and (3) R.A. No. 10173, otherwise known as the Data Privacy Act of 2012, and other related laws, regulations, or issuances thereof, the Commissioner and any officer or employee of the Bureau duly authorized by the Commissioner to disclose pertinent data/information in the Bureau’s possession of the Company’s audited financial records and tax returns to the EITI; and
3. Willingly allows EITI to disseminate and publish such information for the purpose of compliance with the Philippine implementation of EITI principles and criteria.
4. The execution of the foregoing waiver is solely and exclusively for the purpose of compliance with the implementation of the EITI principles and standard.

Executed this \_\_\_\_\_ day in \_\_\_\_\_, Philippines.

ACCEPTED BY:

**CAESAR R. DULAY**  
Commissioner of Internal Revenue

**[NAME OF THE COMPANY]**

By:

By:

\_\_\_\_\_  
**[REPRESENTATIVE]**  
Revenue Official/Position

**[NAME OF AUTHORIZED  
REPRESENTATIVE]**  
[POSITION]

WITNESSES

**[INSERT NAME HERE]**  
(Signature over printed name)

**[INSERT NAME HERE]**  
(Signature over printed name)

Chapter 3 Annexes  
1. Qualitative Surveys

## QUALITATIVE RESEARCH SURVEYS<sup>6</sup>

### A. Ex-Pandemic Questions for The Top 5 Oil and Gas Companies plus Semirara Mining and Power Corporation

1. How did your company deal with commodity price shocks IN THE PAST? Was/were your strategy/-ies successful? Why or why not? And how will your company deal with commodity price shocks IN THE FUTURE?
2. How did your company deal with DEMAND SLUMPS in the past? How successful was/were your strategy/-ies? And how will you deal with them in the future?
3. In the short term (up to three years from now), how does your company foresee changes to its volume of production? Sales volume? Employment numbers? Terms of employment? Exports?
4. In the long term (four years from now and beyond), how does your company foresee changes to its volume of production? Sales volume? Employment numbers? Terms of employment? Exports?
5. Post-pandemic, do you have any exploration and/or development plans in the works? Kindly expound.
6. Post-pandemic, do you plan on undertaking any projects to increase your bottom line? Kindly expound.
7. In terms of modern technology, have you ALREADY INVESTED in the following? Automation? Artificial Intelligence? Internet of Things? Wearables for workers that provide real-time data? Digital Twin? Etc.? Please share with us some details.
8. In terms of modern technology, which among the aforementioned are you PLANNING TO INVEST in? Please share with us some details.
9. What has your company been doing towards ZERO WASTE? And what will you be doing eventually?
10. How does your company plan to adapt to the global call for decarbonization?

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<sup>6</sup> The method of inquiry was both dependent on the sample size and the quality of primary information. Questioning that requires comprehensive and exhaustive answers was prepared for a relatively small number of entities – The Top 5 Oil and Gas Companies for oil and gas, Semirara Mining and Power Corporation for coal, and relevant government departments and agencies. Albeit the sample size for SSM is also small, so too is its section in the Industry Outlook Chapter; hence, the sufficiency of a questionnaire. The same reasoning applies to SOE's; thus, their annual reports will be sufficient. With regard to the much larger sample size of the 50 Large-Scale Metallic Mining and Top 25 Non-Metallic Mining Companies, an online survey with fewer but nevertheless targeted questions was designed. It should be noted that interviews are to follow on entities that need clarification/follow-up on their written answers.

**A. Ex-Pandemic Questions for The Top 5 Oil and Gas Companies plus Semirara Mining and Power Corporation (*Continued*)**

11. Which aspect/s of new/additional government intervention/regulation EXTERNAL to the company will negatively affect your bottom line? On environmental concerns? Indigenous people's rights? Etc.? Kindly explain how.
12. Which aspect/s of new/additional government intervention/regulation INTERNAL to the company will negatively affect your bottom line? On workers' health and safety? Their terms of employment and compensation? Taxation? Payments, fees, and royalties? Licensing and contract negotiations? Etc.?
13. Do you have a mutually beneficial partnership with one or more small-scale mining (SSM) operators? Why or why not? If so, how does your company benefit from this?
14. In the future, do you plan to increase your budget for Corporate Social Responsibility (CSR) and your Social Development and Management Fund (SDMF)? Why or why not?
15. In the future, do you plan to have additional financing? If yes, how? If no, why not? And will you seek some form of government subsidy?

**B. Peri-Pandemic Questions for The Top 5 Oil and Gas Companies plus Semirara Mining and Power Corporation**

1. What is your total number of employees (part-time and full-time), and how many of them have contracted Covid-19?
2. What is your company protocol for the employee and for those they have been in contact with when an employee tests positive?
3. What company benefits do these positive employees receive?
4. What is your company policy for Covid-19 testing? Is it mass? Targeted? Is it through swab testing (e.g., RT-PCR) or by blood draw? And is it paid for by the company?
5. When the Philippine government officially announced cities/towns/provinces into certain community quarantine classifications last March, how was your area classified? And how did this affect your operations? Did your company shut down? Had partial operating capacity? Was business as usual? Operated with on-and-off activities?
6. How have your operations been affected with the subsequent changes in the quarantine statuses of your city/town/province? Please specify.
7. What changes in your employment terms were implemented during this pandemic? How many full-time workers were laid off? Did you hire more part-time workers and how many? Did you shorten their workdays/hours of work? Etc.?



8. How was your volume of production affected during this pandemic?
9. How was your sales volume affected during this pandemic?

**B. Peri-Pandemic Questions for The Top 5 Oil and Gas Companies plus Semirara Mining and Power Corporation (*Continued*)**

10. If applicable, how were your exports affected during this pandemic?
11. How else has this pandemic had an adverse impact on your company? Like lesser transparency and reporting to relevant agencies/organizations? Delay in and/or cancellation of exploration and/or development plans? One or more projects got suspended or shelved? No more 13th month-pay for your employees? Etc.?
12. Now that the economy is starting to pick up, how is this affecting your operations? Employment? Volume of production? Sales volume? And, if applicable, exports?
13. Is your management satisfied with how the company has dealt with this pandemic? What would have been done differently to mitigate its adverse effects?
14. Is your company satisfied with how the Philippine government has responded to its pandemic? What has it done wrong? And what has it done right?
15. How prepared is your company now for a possible future pandemic? Kindly expound.

**C. Peri- and Ex-Pandemic Questions (When Applicable) for Government Departments/Agencies**

1. How have licensing applications been affected by this pandemic? And how has your department/agency been processing them given the mandated skeletal workforce? Are the delays as expected or the peri-pandemic process can actually be made faster? Have the applicants been understanding? Or demanding, and how are you dealing with this?
2. Do you think that both licensing applications and processing will soon pick-up to pre-pandemic/normal levels? Or there will be a new normal?
3. When it comes to negotiating new contracts or renegotiating expiring ones, how has this process changed during the pandemic? And how have the dynamics between the two parties changed? Does either, neither, or both now tend to compromise? Or is one or both hardliners? Have the terms of a new/the renewed contract been more flexible? Leaning more towards whose benefit?
4. Moving forward post-pandemic, will the time it takes to negotiate/renegotiate contracts be back to what it once was? How soon? Or there will be a new normal? How do you think the dynamics between both parties will also change? And will the terms be more pro-government, pro-company, or a happy middle?

5. How have fiscal collections been affected by this pandemic? Have companies been given more leeway in paying less-than-their-supposed taxes, royalties, dividends, and/or fees? And have they still been paying on time? Or are payment delays condoned given the current situation?

6. In the future, will fiscal regimes be more liberal (i.e., fewer payments)? Or more restrictive (i.e., higher payments than now)? To which end? And why?

### **C. Questions (When Applicable) for Government Departments/Agencies (Continued)**

7. Is there a win-win situation when it comes to the government's collecting payments from mining, oil and gas, and coal companies in the form of taxes, royalties, dividends, fees, etc. - that the latter also stand to benefit from these collections? If so, what are making present levels optimal? If no, how much more or how much less should the government extract money from these extractive industries?

8. Have there been any recent bans/moratoria in the operations/projects of any mining, oil and gas, or coal company peri-pandemic? Are any of these bans/moratoria related to the pandemic? Were any of the existing bans/moratoria lifted because of the pandemic? And was the decision to impose a ban/moratorium delayed because of the pandemic?

9. In general, is there always a trade-off between economic growth and a sustainable natural environment? In particular, should the government prioritize environmental protection/preservation (inclusive of Indigenous Peoples' rights) over the employment/taxation/multiplier benefits with the presence/continued operations of extractive companies?

10. Aside from the mandated assistance from the Department of Social Welfare, Development and Department of Labor and Employment, and Department of Trade and Industry, has your department/agency also provided support to extractive companies and/or their employees during this pandemic?

### **D. Questionnaire for SSM Operators/Organizations**

1. Please fill in the blanks below:

YOUR FULL NAME \_\_\_\_\_ DATE TODAY  
\_\_\_\_\_

NAME OF MINE OR SSM ASSOCIATION

---

LOCATION OF MINE OR SSM ASSOCIATION

---

YOUR POSITION/DESIGNATION

---

YOUR MOBILE NUMBER \_\_\_\_\_ EMAIL ADDRESS

---

2. How many workers do you have? Part-time \_\_\_\_\_ Full-time \_\_\_\_\_

3. How many of them in total have contracted Covid-19? \_\_\_\_\_

4. What was the community quarantine classification of your town/city/region last March 2020? (Please circle one.)

*ECQ*                      *MECQ*                      *GCQ*                      *MGCQ*                      *Low-risk MGCQ*  
*none*

5. How did this affect your mining operations? (Please circle one.)

*Full closure*                      *Partial operations*                      *Business as usual*                      *On-and-off activities*

6. How did your quarantine classification change soon after March? (Please circle one.)

*ECQ*                      *MECQ*                      *GCQ*                      *MGCQ*                      *Low-risk MGCQ*                      *n/a*

7. How has this new classification affected your mining operations? (Please circle one.)

*Full closure*                      *Partial operations*                      *Business as usual*                      *On-and-off activities*

8. What is your current community quarantine classification? (Please circle one.)

*ECQ*                      *MECQ*                      *GCQ*                      *MGCQ*                      *Low-risk MGCQ*                      *n/a*

9. How many of your workers were laid off in March due to this pandemic? \_\_\_\_\_

10. Did you provide financial support for your displaced workers?

If yes, please specify how many times and how much in total.

---

If no, please explain why.

---

11. What other kind/s of support did you provide for them?

If yes, please specify.

---

If no, please explain why.

---

12. What kind of government support (national and/or LGU) did your workers receive? Please specify.

---

**D. Questionnaire for SSM Operators/Organizations (Continued)**

13. How many workers have you hired part-time during this pandemic? \_\_\_\_\_

14. How many workers have returned onsite when your community quarantine classification was relaxed? \_\_\_\_\_

15. How has your VOLUME OF PRODUCTION been affected by this pandemic? (Please circle one and fill in the relevant blank.)

*No change*      *Decreased by approximately \_\_\_\_\_ %*      *Increased by about \_\_\_\_\_ %*

16. How has your SALES VOLUME been affected by this pandemic? (Please circle one and fill in the relevant blank.)

*No change*      *Decreased by approximately \_\_\_\_\_ %*      *Increased by about \_\_\_\_\_ %*

17. How do you foresee your VOLUME OF PRODUCTION in the future? It will ... (Please circle one:)

*Decrease much*    *Decrease little*    *Not change*    *Increase slightly*    *Increase a lot*

18. How do you foresee your SALES VOLUME in the future? It will ... (Please circle one:)

*Decrease much*    *Decrease little*    *Not change*    *Increase slightly*    *Increase a lot*

19. What are your plans for FULL-TIME WORKERS in the future? (Please circle one.)

*Hire more*    *Hire few*    *None*    *Lay off few*    *Lay off more*

20. What are your plans for PART-TIME WORKERS in the future? (Please circle one.)

*Hire more*    *Hire few*    *None*    *Lay off few*    *Lay off more*

21. What have you been doing for your workers in terms of their health and safety? (Please check the one/s that apply.)

\_\_\_ Supplying them with clothing and gear for their physical protection

\_\_\_ Providing them with training on health and safety at work

\_\_\_ Giving them access to more efficient and less labor-intensive equipment

\_\_\_ Other (Please specify:) \_\_\_\_\_  
 \_\_\_\_\_

22. What other steps have you been taking to benefit your workers and your operations? (Please check the one/s that apply.)

- \_\_\_ Building capacity through partnerships with local institutions
- \_\_\_ Forming a miners' cooperative or providing micro-credit to miners and their families
- \_\_\_ Partnering with large-scale mining companies
- \_\_\_ Other (Please specify:) \_\_\_\_\_

**D. Questionnaire for SSM Operators/Organizations (Continued)**

23. What have you been doing in terms of having little or no impact on your natural environment? (Please check the one/s that apply.)

- \_\_\_ investment in cleaner technologies
- \_\_\_ Less water usage in the extraction and processing of minerals
- \_\_\_ Proper disposal of mine tailings, waste rock impediments, etc. to prevent soil and water pollution
- \_\_\_ Other (Please specify:) \_\_\_\_\_

24. Which aspects of government regulation/intervention do you expect to see less/the same/more of in the future? (Please check only 1 of 3 columns in each row.)

	LESS	SAME	MORE
Environmental concerns			
Indigenous People's rights			
Workers' health and safety			
Workers' terms of employment and compensation			
Taxation			
Payments, fees, and royalties			
Licensing and contract negotiations			

25. How do you see your operations in the future? (Please check the one/s that apply.)

- \_\_\_ Contracting (If ticked, then tick only one:) \_\_\_ significantly \_\_\_ slightly
- \_\_\_ Pretty much the same
- \_\_\_ Growing (If ticked, then tick only one:) \_\_\_ substantially \_\_\_ minimally
- \_\_\_ Ready / \_\_\_ Unprepared for the next pandemic
- \_\_\_ Further investments from (If ticked, then tick only one or both:)  
 \_\_\_ internal / \_\_\_ external sources

\_\_\_ Will need additional public support from the (If ticked, then tick only one or both:  
\_\_\_ national government      \_\_\_ LGU

**E. Online Survey (Ex-Pandemic) for The 50 Large-Scale Metallic<sup>7</sup>  
and Top 25 Non-Metallic Mining Companies<sup>8</sup>**

1. Please fill in the boxes below, and do include your current job designation beside your full name.  
Thank you.

Name

Company

Email Address

2. How did your company handle commodity price shocks IN THE PAST?

- Bad. Suffered income losses.
- Not well enough. Broke even.
- Okay. Bottom line was unaffected with a proportional increase in demand.
- Still met our profit target. We were able to adapt by (please specify)

3. How will your company handle commodity price shocks IN THE FUTURE? (Kindly choose only 1 that you will most likely be doing.)

- Diversification
- Cost-cutting
- Ask for government support
- Other (please specify)

**E. Online Survey (Ex-Pandemic) for The 50 Large-Scale Metallic  
and Top 25 Non-Metallic Mining Companies (Continued)**

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<sup>7</sup> <https://www.surveymonkey.com/r/8DFX5RX>

<sup>8</sup> <https://www.surveymonkey.com/r/LVKQRM5>

4. In terms of modern technology, which among the following have you ALREADY INVESTED in? (Please check all that apply, or proceed to the next question if none.)

- Automation (e.g., autonomous vehicles, drillers, and/or haulage systems)
- Artificial Intelligence (e.g., smart sensors attached to mining equipment and systems)
- Internet of Things (i.e., most or all components of the mining value chain being connected online)
- Wearables (i.e., that provide real-time data on workers)
- Digital Twin (i.e., pairing of virtual and physical systems to allow analysis of data and monitoring heading off problems before they even occur, preventing downtime, developing new opportunities, and planning for the future by using simulations)
- Other (please specify)

5. In terms of modern technology, which among the following are you PLANNING TO invest in? (Please check all that apply, or leave this question blank if your company has no such plans.)

- Automation
- Artificial Intelligence
- Internet of Things
- Wearables
- Digital Twin
- Other (please specify)

6. How near or how far is your company towards achieving zero waste?

- Not a priority
- Quite a way to go
- Being planned soon
- Is already invested in this

**E. Online Survey (Ex-Pandemic) for The 50 Large-Scale Metallic and Top 25 Non-Metallic Mining Companies (Continued)**

7. Which aspect/s of NEW/ADDITIONAL government intervention/regulation do you think will adversely affect your bottom line? (Please choose at least 1.)

- Environmental concerns
- Indigenous People's rights
- Workers' health and safety
- Workers' terms of employment and compensation
- Taxation
- Payments, fees, and royalties
- Licensing and contract negotiations
- Other (please specify)

8. How do you expect your company to grow in 3 years' time?

- Same as now
- Will contract
- Will grow minimally
- Will grow substantially

9. How do you expect your company to grow 4 or more years from now?

- Same as now
- Will contract
- Will grow minimally
- Will grow substantially

10. What are your company's budgetary plans for its Corporate Social Responsibility (CSR) as well as your Social Development and Management Fund (SDMF)?

- Decrease in both, if not the same
- Increase in both
- Higher CSR budget, lower for SDMF
- Lower CSR budget, higher for SDMF

**F. Online Survey (Peri-Pandemic) for The 50 Large-Scale Metallic<sup>9</sup> and Top 25 Non-Metallic Mining Companies<sup>10</sup>**

1. Please fill in the boxes below, and do include your current job designation beside your full name. Thank you.

Name

<sup>9</sup> <https://www.surveymonkey.com/r/K3XV8MY>

<sup>10</sup> <https://www.surveymonkey.com/r/LV7P355>



Company

Email Address

2. What is your TOTAL NUMBER OF EMPLOYEES (part-time and full-time) and HOW MANY HAVE CONTRACTED COVID-19 in the 2nd and 3rd quarters of 2020?

3. During the second quarter of this year, how were your operations affected by Covid-19?

- Complete shutdown
- Partial closure
- Full operation
- On and off

4. How has the pandemic affected your VOLUME OF PRODUCTION?

- No impact. Same volume of production as pre-pandemic.
- Little impact. Volume only down by up to 25%.
- Some impact. Volume down by almost 50%.
- Significant impact. Volume zero or significantly down by at least 75%.

5. How has the pandemic affected your SALES VOLUME?

- No impact. Sales volume same as before.
- Little impact. Volume only down by up to 25%.
- Some impact. Volume down by almost 50%.
- Significant impact. Volume zero or significantly down by at least 75%.

**F. Online Survey (Peri-Pandemic) for The 50 Large-Scale Metallic and Top 25 Non-Metallic Mining Companies (Continued)**

6. How else has the pandemic negatively affected your company? (Please check the one/s that apply.)

- Lesser transparency and reporting to relevant agencies/organizations
- Delay in exploration and/or development plans
- Cancellation of exploration and/or development plans
- One or more projects got suspended
- One or more projects got shelved

- Fewer benefits for workers (e.g., no more 13th-month pay)
- Decrease in exports
- Other (please specify)

7. How satisfied are you with the Philippine government's general response to the Covid-19 pandemic?

- Very satisfied.
- Satisfied.
- Neither satisfied nor dissatisfied.
- Not satisfied. The government can do more.

8. What can you say about your company's internal handling of the Covid-19 situation?

- Satisfied.
- Neither satisfied nor dissatisfied.
- Not satisfied. We COULD do more but our hands are tied.
- Not satisfied. We WILL do more to improve the situation.

9. How much prepared/ready is your company for another pandemic?

- Not prepared at all
- Slightly prepared
- Ready as can be
- More than ready

10. What could your company have done differently in this pandemic to mitigate its adverse effects on your operations?

## TARGETED REPRESENTATIVE SAMPLES

### A. Top 5 Oil and Gas Companies

1. PNOC Exploration Corporation
2. Shell Philippine Exploration B.V.
3. The Philodrill Corporation
4. Galoc Production Company W.L.L.
5. China International Mining Petroleum Co. Ltd.

### B. Semirara Mining and Power Corporation<sup>11</sup>

### C. 50 Large-Scale Metallic Mining Companies

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<sup>11</sup> Is the sole entity for coal given that 99.1 percent of its production in 2018 was produced by this corporation, as per Department of Energy's Energy Annual Report of the same year

1. Lepanto Consolidated Mining Company
2. Benguet Corporation
3. FCF Minerals Corporation
4. Filminera Resources Corporation
5. Apex Mining Company, Inc.
6. Philsaga Mining Corporation
7. Itogon Suyoc Resources, Inc.
8. Tribal Mining Corporation
9. Atlas Consolidated Mining & Development Corporation/Carmen Copper Corporation
10. Philex Mining Corporation
11. OceanaGold Philippines, Inc.
12. Chromiteking, Inc./Techiron Resources, Inc.
13. Shangfil Mining and Trading Corporation
14. Rio Tuba Nickel Mining Corporation
15. Berong Nickel Corporation
16. Agata Processing, Inc./Agata Mining Ventures, Inc.
17. SR Metals, Inc.
18. Surigao Integrated Resources Corporation/Platinum Group Metals Corporation
19. Hinatuan Mining Corporation
20. Adnama Mining Resources, Inc.
21. Taganito Mining Corporation
22. Marcventures Mining & Development Corporation
- 23.-24. CTP Construction & Mining Corporation<sup>12</sup>
25. CTP Construction & Mining Corporation/Carrascal Nickel Corporation
26. East Coast Mineral Resources Company, Inc./Cagdianao Mining Corporation
27. East Coast Mineral Resources Company, Inc./  
Libjo Mining Corporation & Westernshore Nickel Corporation
28. Norweah Metals and Minerals Company, Inc./Oriental Vision Mining Philippines Corporation
- 29.-30. Century Peak Corporation<sup>13</sup>

### **C. 50 Large-Scale Metallic Mining Companies (Continued)**

31. Zambales Diversified Metals Corporation
32. LNI Archipelago Minerals, Inc./Filipinas Mining Corporation
33. Citinickel Mines & Development Corporation
34. Sinosteel Philippines H.Y. Mining Corporation
35. Mill-Oro Mining Corporation/Austral-Asia Link Mining
36. BenguetCorp Nickel Mines, Inc.
37. Eramen Minerals, Inc.
38. Greenstone Resources Corporation
39. Abra Mining & Industrial Corporation
40. Johson Gold Mining Corporation
41. Krominco, Inc.
42. Mt. Sinai Mining Exploration and Development Corporation
43. Vista Buena Mining Corporation/Wellex Mining Corporation
44. Dinapigue Mining Corporation
- 45.-46. AAM-PHIL Natural Resources Exploration & Development Corporation<sup>14</sup>

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<sup>12</sup> Adlay Nickel Project and Dahican Nickel Project

<sup>13</sup> Casiguran Nickel Project and Esperanza Nickel Project

<sup>14</sup> Parcel 1 and Parcel 2 of Dinagat Chromite/Nickel Project

46. Dinagat Chromite/Nickel Project (Parcel 2B) - AAM-PHIL Natural Resources Exploration & Development Corporation
47. Strongbuilt (Mining) Development Corporation
48. Atro Mining-Vitali, Inc.
49. Nicua Corporation/Vincent Tan Tiong
50. Oriental Synergy Mining Corporation

#### **D. Top 25 Non-Metallic Mining Companies**

1. Asencio-Pinzon Aggregates Corporation/Pacific Concrete Products, Inc. and Vulcan Materials Corporation
2. Bohol Limestone Corporation
3. Concrete Aggregates Corporation
4. Dolomite Mining Corporation
5. Eagle Cement Corporation
6. Gozon Development Corporation
7. Hardrock Aggregates, Inc.
8. Holcim Mining and Development Corporation (HMDC) - Davao del Sur and Sarangani
9. HMDC - La Union
10. HMDC - Bulacan
11. HDMC - Lanao del Norte and Misamis Oriental
12. Island Quarry & Aggregates Corporation/Solid Cement Corporation
13. JLR Construction and Aggregates, Inc.
14. Luzon Continental Land Corporation
15. Montalban Millex Aggregate Corporation
16. Northern Cement Corporation
17. Rapid City Realty and Development Corporation - Teresa, Rizal
- 18-19. Rapid City Realty and Development Corporation - Antipolo City, Rizal<sup>15</sup>

#### **D. Top 25 Non-Metallic Mining Companies (*Continued*)**

20. Republic Cement and Building Materials, Inc. - Rizal
21. Republic Cement and Building Materials, Inc. - Bulacan (Formerly Lafarge Republic, Inc.)
22. Republic Cement Mindanao, Inc. (Formerly Lafarge Mindanao, Inc.)
23. Rio Tuba Nickel Mining Corporation
24. San Rafael Development Corporation
25. Solid North Mineral Corporation<sup>16</sup>

#### **E. SSM Operators/Organizations**

1. Datu Legel Small-Scale Mining Association
2. Herminigildo Omanan
3. Fagalas/Tolik Clan Small-Scale Mining Association, Inc.
4. Maguan Clan Small-Scale Mining Association, Inc.
5. T'boli Integrated Small-Scale Mining Contractors Association, Inc.
6. Rosanita Mamerga
7. Jimmy Pericon
8. Marina Sereneo
9. T'boli Minahang Bayan Multi-Purpose Cooperative

<sup>15</sup> Mineral Production Sharing Agreement (MPSA) 1 and MPSA 2

<sup>16</sup> Assignment from Holcim Philippines, Inc.

## **F. Government Departments/Agencies**

1. Bureau of Internal Revenue
2. Mines and Geosciences Bureau
3. Department of Energy
4. Department of the Environment and Natural Resources
5. Department of Budget and Management
6. Bureau of the Treasury
7. Philippine Ports Authority
8. National Commission on Indigenous Peoples

**QUESTIONNAIRE FOR THE PH-EITI SECRETARIAT FOR THE INDUSTRY OUTLOOK  
CHAPTER OF THE 7TH ANNUAL REPORT**

Name of PH-EITI Official \_\_\_\_\_ Position \_\_\_\_\_  
 \_\_\_\_\_ Date \_\_\_\_\_

**I. TRANSPARENCY AND REPORTING – THE EARLY YEARS**

<p>1. In the <b>first three years</b> of PH-EITI, how would you rate - in general - the transparency of the <b>OIL AND GAS COMPANIES?</b></p>	
<ul style="list-style-type: none"> <li><input type="radio"/> Not transparent at all, refused to give information</li> <li><input type="radio"/> A little transparent, provided less than the minimum sought information</li> <li><input type="radio"/> Quite transparent, gave the minimum information</li> <li><input type="radio"/> More transparent than expected, reported more than enough information</li> <li><input type="radio"/> Very transparent, was even pro-active in providing information</li> </ul>	<p>Without citing a specific entity or particular entities, can you please provide details of your answer?</p>
<p>2. In the <b>first three years</b> of PH-EITI, how would you rate - in general - the transparency of <b>SEMIRARA MINING AND POWER CORPORATION AND OTHER COAL EXTRACTING COMPANIES?</b></p>	
<ul style="list-style-type: none"> <li><input type="radio"/> Not transparent at all, refused to give information</li> <li><input type="radio"/> A little transparent, provided less than the minimum sought information</li> <li><input type="radio"/> Quite transparent, gave the minimum information</li> <li><input type="radio"/> More transparent than expected, reported more than enough information</li> <li><input type="radio"/> Very transparent, was even pro-active in providing information</li> </ul>	<p>Without citing a specific entity or particular entities, can you please provide details of your answer?</p>
<p>3. In the <b>first three years</b> of PH-EITI, how would you rate - in general - the transparency of the <b>METALLIC MINING COMPANIES?</b></p>	
<ul style="list-style-type: none"> <li><input type="radio"/> Not transparent at all, refused to give information</li> <li><input type="radio"/> A little transparent, provided less than the minimum sought information</li> <li><input type="radio"/> Quite transparent, gave the minimum information</li> <li><input type="radio"/> More transparent than expected, reported more than enough information</li> <li><input type="radio"/> Very transparent, was even pro-active in providing</li> </ul>	<p>Without citing a specific entity or particular entities, can you please provide details of your answer?</p>

information	
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4. In the <b>first three years</b> of PH-EITI, how would you rate - in general - the transparency of the <b>NON-METALLIC MINING COMPANIES</b> ?	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
5. In the <b>first three years</b> of PH-EITI, how would you rate - in general - the transparency of the <b>SMALL-SCALE MINING (SSM) OPERATORS/ASSOCIATIONS/COOPERATIVES</b> ?	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?

## II. TRANSPARENCY AND REPORTING – FOUR YEARS LATER

6. <b>From the fourth to sixth year</b> of PH-EITI, how would you rate - in general - the transparency of the <b>OIL AND GAS COMPANIES</b> ?	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?

7. <b>From the fourth to sixth year</b> of PH-EITI, how would you rate - in general - the transparency of <b>SEMIRARA MINING AND POWER CORPORATION AND OTHER COAL EXTRACTING</b>
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<b>COMPANIES?</b>	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
<b>8. From the fourth to sixth year of PH-EITI, how would you rate - in general - the transparency of the METALLIC MINING COMPANIES?</b>	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
<b>9. From the fourth to sixth year of PH-EITI, how would you rate - in general - the transparency of the NON-METALLIC MINING COMPANIES?</b>	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?

<b>10. From the fourth to sixth year of PH-EITI, how would you rate - in general - the transparency of the SMALL-SCALE MINING (SSM) OPERATORS/ASSOCIATIONS/COOPERATIVES?</b>	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?



<ul style="list-style-type: none"> <li>○ minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	
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**III. TRANSPARENCY AND REPORTING – PERI-PANDEMIC**

**11. In this seventh year of PH-EITI (the year of the COVID-19 pandemic), how would you rate - in general - the transparency of the OIL AND GAS COMPANIES?**

<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
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**12. In this seventh year of PH-EITI (the year of the COVID-19 pandemic), how would you rate - in general - the transparency of SEMIRARA MINING AND POWER CORPORATION AND OTHER COAL EXTRACTING COMPANIES?**

<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
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**13. In this seventh year of PH-EITI (the year of the COVID-19 pandemic), how would you rate - in general - the transparency of the METALLIC MINING COMPANIES?**

<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
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active in providing information	
14. In this seventh year of PH-EITI (the year of the COVID-19 pandemic), how would you rate - in general - the transparency of the <b>NON-METALLIC MINING COMPANIES</b> ?	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
15. In this seventh year of PH-EITI (the year of the COVID-19 pandemic), how would you rate - in general - the transparency of the <b>SMALL-SCALE MINING (SSM) OPERATORS/ASSOCIATIONS/COOPERATIVES</b> ?	
<ul style="list-style-type: none"> <li>○ Not transparent at all, refused to give information</li> <li>○ A little transparent, provided less than the minimum sought information</li> <li>○ Quite transparent, gave the minimum information</li> <li>○ More transparent than expected, reported more than enough information</li> <li>○ Very transparent, was even pro-active in providing information</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?

#### IV. TRANSPARENCY AND REPORTING – ON GOVERNMENT AND ORE

16. In the <b>first three years</b> of PH-EITI, how do you rate the speed of various government departments/agencies when it comes to reporting information?	
<ul style="list-style-type: none"> <li>○ Non-responsive</li> <li>○ Very slow, needed some follow-through (was followed up until the sought-out action was completed)</li> <li>○ Quite slow, certain follow-ups were necessary but delivered towards the end</li> <li>○ Just right, reported just before the agreed-upon deadline</li> <li>○ Fast, reporting was instant with very little or no following up</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
17. <b>From the fourth to sixth year</b> of PH-EITI, how do you rate the speed of various government departments/agencies when it comes to reporting information?	
<ul style="list-style-type: none"> <li>○ Non-responsive</li> <li>○ Very slow, needed some follow-through (was followed up until the sought-out action was</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?

<ul style="list-style-type: none"> <li>completed)</li> <li>○ Quite slow, certain follow-ups were necessary but delivered towards the end</li> <li>○ Just right, reported just before the agreed-upon deadline</li> <li>○ Fast, reporting was instant with very little or no following up</li> </ul>	
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18. In this seventh year of PH-EITI (the year of the COVID-19 pandemic), how do you rate the speed of various government departments/agencies when it comes to reporting information?

<ul style="list-style-type: none"> <li>○ Non-responsive</li> <li>○ Very slow, needed some follow-through (was followed up until the sought-out action was completed)</li> <li>○ Quite slow, certain follow-ups were necessary but delivered towards the end</li> <li>○ Just right, reported just before the agreed-upon deadline</li> <li>○ Fast, reporting was instant with very little or no following up</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
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19. When PH-EITI’s Online Reporting in the Extractives (ORE) Tool was launched, how receptive - in general - were the stakeholders?

<ul style="list-style-type: none"> <li>○ Did not agree with it, of the opinion that it is unnecessary</li> <li>○ Resisted but were later on in agreement</li> <li>○ Indifferent</li> <li>○ Supportive</li> <li>○ Encouraging, were/are helpful in further developing the tool</li> </ul>	Without citing a specific entity or particular entities, can you please provide details of your answer?
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20. The deadline for online reporting of PH-EITI stakeholders was November 8, 2020. Kindly fill in the blanks below.

	Number in Database	How Many Completed Their Reporting Before the Deadline?	How Many Did So on the Day of the Deadline Itself?
Oil and Gas Companies	5		
Semirara Mining and Power Corporation (please tick instead)			
Metallic Mining Companies	50		
Non-Metallic Mining Companies	25		
SSM Operators/Associations/ Cooperatives (if applicable)			
Government Departments/Agencies			

**THANK YOU VERY MUCH FOR YOUR VALUABLE TIME AND INVALUABLE ASSISTANCE!**

## Chapter 3 Annexes

### 2. Raw Data and Computations

MAQ vis-à-vis GDP (in million PHP)

	2013	2014	2015	2016	2017	2018	2019
<b>Mining and Quarrying (MAQ)</b>	126,453	143,880	119,626	125,898	148,094	163,322	161,656
<b>Gross Domestic Product (GDP)</b>	12,050,592	13,206,828	13,944,157	15,132,381	16,556,651	18,265,190	19,517,863
<b>Share of MAQ to GDP</b>	1.05%	1.09%	0.86%	0.83%	0.89%	0.89%	0.83%
<b>Annual % Changes</b>							
MAQ		13.78%	-16.86%	5.24%	17.63%	10.28%	-1.02%
GDP		9.59%	5.58%	8.52%	9.41%	10.32%	6.86%
<b>Average Annual Growth Rate (AAGR)</b>							
MAQ=	4.84%						
GDP=	8.38%						
<b>Compounded Annual Growth Rate (CAGR)</b>							
MAQ=	3.57%						
GDP=	7.13%						
	N= 7						

2019 Gross Value Added in Mining and Quarrying, by Industry (at Current Prices, in million PHP)

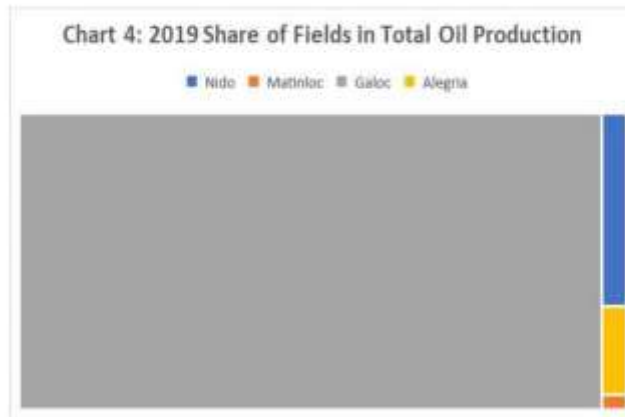
		% Share		
..Mining of coal	16,931	10.47%	<b>Coal</b>	10.47%
..Extraction of crude petroleum and natural gas	37,303	23.08%	<b>Oil and Gas</b>	23.08%
..Mining of precious metal ores	26,870	16.62%	<b>Metallic Mining</b>	35.35%
..Mining of nickel ores	20,040	12.40%		
..Mining of copper ores	10,228	6.33%		
..Stone quarrying, and other mining and quarrying	50,284	31.11%	<b>Non-Metallic Mining</b>	31.11%
<b>Gross Value Added in Mining and Quarrying</b>	<b>161,656</b>			

**Number of Employed Persons by Total Hours Worked: July 2019**

		% Share
<b>Philippines</b>	42,951,883	
<b>MAQ</b>	210,961	0.49%
<b>Hours Worked</b>		
Did not work	4,480	2.12%
Under 20	14,345	6.95%
20-29	18,004	8.72%
30-39	18,802	9.11%
40 and over	155,330	75.23%
<b>Total Working</b>	206,481	

2019 Oil Production (in barrels)

		% Share
Nido	20,634	2.66%
Matinloc	1,542	0.20%
Galoc	744,449	95.92%
Alegria	9,468	1.22%
	776,093	





2019 Philippine Exports by Commodity Group (GRT+Gross Register Tonnage)

Petroleum Products

Rank		Gross Kilo	% Share		
1	Singapore	224,444,387	40.964549%	Singapore	224,444,387
2	Malaysia	206,609,773	38.263787%	Malaysia	206,609,773
3	People's Republic of China	77,880,962	14.218170%	China	77,880,962
4	Republic of Korea	15,031,027	2.738442%	South Korea	15,031,027
5	Vietnam	995,304	0.18286%	Others	875,812
6	Cambodia (Democratic Kampuchea)	140,215	0.025609%		
7	United States of America	60,330	0.011039%		
8	Taiwan (Rep. of China)	35,068	0.006400%		
9	Brunei Darussalam	11,476	0.002095%		
10	Australia	11,304	0.002063%		
11	France	9,504	0.001735%		
12	Thailand	6,728	0.001238%		
13	Indonesia	6,650	0.001214%		
14	Papua New Guinea	800	0.000152%		
15	Canada	3	0.000001%		
		547,803,091			

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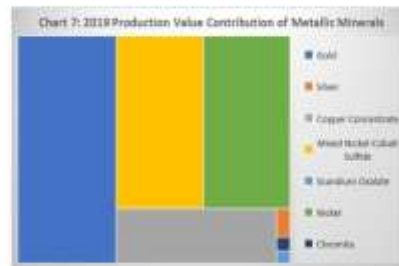
2019 Philippine Exports by Commodity Group (FOB in USD)

Coal

Rank			% Share
1	<b>China</b>	437,973,547	95.10%
2	<b>Thailand</b>	15,170,000	3.29%
3	<b>Taiwan</b>	5,057,500	1.10%
4	<b>India</b>	2,300,000	0.50%
5	<b>South Korea</b>	50,653	0.01%
		460,551,700	

2019 Production Value Contribution of Metallic Minerals (in PHP)

		% Share
Gold	47,317,070,332	36.22%
Silver	827,269,356	
Copper Concentrate	18,456,762,112	24.21%
Mixed Nickel-Cobalt Sulfide	11,700,955,981	24.21%
Scandium Oxalate	358,356,578	0.27%
Nickel	31,651,009,469	0.90%
Chromite	390,568,251	0.67%
	130,743,490,059	
		% Share
Total Mining =	256,000,000,000	
Metallics =	131,320,000,000	51.67%



Commodity	Gold	Copper	Nickel	Cobalt		
Commodity Description	Gold, Fixing Committee of the London Bullion Market Association, London 3 PM fixed price, US\$ per troy ounce	Copper, grade A cathode, LME spot price, CIF European ports, US\$ per metric ton	Nickel, melting grade, LME spot price, CIF European ports, US\$ per metric ton	Cobalt, U.S. cathodes, spot		
Data Type	USD	USD	USD	USD		
Frequency	Monthly	Monthly	Monthly	Monthly		
	N=			N=		
1980M1	1	674.37	2,592.63	6,584.80		
1980M2	2	665.29	2,916.71	6,978.93		
1980M3	3	553.58	2,303.83	6,733.79		
1980M4	4	517.41	2,074.66	6,233.37		
1980M5	5	513.79	2,076.75	6,000.77		
1980M6	6	600.72	2,006.20	6,294.63		
1980M7	7	644.28	2,175.96	6,622.17		
1980M8	8	627.15	2,081.16	6,584.51		
1980M9	9	673.63	2,099.11	6,655.36		
1980M10	10	661.31	2,045.89	6,691.95		
1980M11	11	624.77	2,010.61	6,452.67		
1980M12	12	538.26	1,878.34	6,390.91	1	18,160.00
1981M1	13	557.39	1,876.13	6,403.77	2	18,160.00
1981M2	14	499.76	1,803.38	6,370.75	3	17,850.00
1981M3	15	499.11	1,816.61	6,292.43	4	18,250.00
1981M4	16	495.80	1,823.22	6,307.06	5	17,890.00
1981M5	17	479.70	1,746.06	6,352.16	6	16,330.00
1981M6	18	461.09	1,699.76	6,189.46	7	14,280.00
1981M7	19	409.07	1,662.12	6,150.34	8	12,250.00
1981M8	20	410.16	1,787.95	5,999.12	9	10,510.00
1981M9	21	443.75	1,706.38	5,579.06	10	9,690.00
1981M10	22	437.76	1,664.49	5,216.71	11	10,770.00
1981M11	23	413.37	1,651.26	5,100.25	12	12,680.00
1981M12	24	410.09	1,655.67	5,496.03	13	11,410.00
1982M1	25	384.14	1,613.78	5,628.90	14	11,410.00
1982M2	26	374.13	1,596.14	5,716.76	15	10,330.00
1982M3	27	330.25	1,512.37	5,653.36	16	9,890.00
1982M4	28	350.30	1,521.19	5,394.05	17	9,460.00
1982M5	29	333.71	1,530.01	5,211.84	18	8,650.00
1982M6	30	314.98	1,309.54	5,186.70	19	7,960.00
1982M7	31	339.97	1,439.62	5,069.58	20	7,070.00
1982M8	32	364.23	1,450.64	4,953.03	21	5,000.00
1982M9	33	437.31	1,424.18	4,310.30	22	4,650.00
1982M10	34	422.15	1,463.87	3,916.51	23	4,730.00
1982M11	35	414.89	1,444.03	3,433.66	24	4,970.00
1982M12	36	444.50	1,474.89	3,576.27	25	5,360.00
1983M1	37	481.29	1,574.10	3,796.96	26	5,810.00
1983M2	38	491.09	1,649.06	4,228.20	27	6,400.00
1983M3	39	419.70	1,598.35	4,831.77	28	6,130.00
1983M4	40	432.88	1,675.51	4,817.79	29	5,930.00
1983M5	41	438.01	1,765.90	5,031.53	30	5,670.00
1983M6	42	412.64	1,701.97	4,883.16	31	5,790.00
1983M7	43	402.91	1,704.17	4,804.04	32	5,780.00
1983M8	44	416.24	1,640.24	4,852.76	33	5,670.00
1983M9	45	411.46	1,560.87	4,910.52	34	5,530.00
1983M10	46	393.21	1,435.21	4,674.15	35	5,850.00
1983M11	47	381.88	1,388.91	4,585.17	36	6,590.00
1983M12	48	388.34	1,415.37	4,657.00	37	6,950.00
1984M1	49	370.89	1,375.68	4,670.48	38	10,740.00
1984M2	50	385.96	1,428.59	4,639.91	39	11,280.00
1984M3	51	394.26	1,501.35	4,780.83	40	11,020.00
1984M4	52	381.37	1,532.21	4,911.41	41	11,190.00

1984M5	53	377.40	1,419.78	4,811.42	42	10,780.00
1984M6	54	377.67	1,364.66	4,773.23	43	11,080.00
1984M7	55	346.72	1,331.59	4,640.16	44	11,010.00
1984M8	56	347.68	1,338.20	4,736.07	45	11,040.00
1984M9	57	340.91	1,294.11	4,705.54	46	11,560.00
1984M10	58	340.17	1,272.07	4,750.29	47	11,530.00
1984M11	59	341.14	1,344.82	4,748.40	48	11,440.00
1984M12	60	320.16	1,320.57	4,858.98	49	11,520.00
1985M1	61	302.58	1,358.05	4,947.17	50	11,570.00
1985M2	62	298.82	1,388.91	5,050.79	51	11,610.00
1985M3	63	303.94	1,389.35	5,211.72	52	11,570.00
1985M4	64	325.27	1,501.35	5,489.50	53	11,530.00
1985M5	65	316.37	1,530.01	5,604.14	54	11,480.00
1985M6	66	316.49	1,433.00	5,553.44	55	11,450.00
1985M7	67	317.22	1,474.89	5,090.47	56	11,320.00
1985M8	68	329.88	1,419.78	4,907.48	57	11,320.00
1985M9	69	322.78	1,366.86	4,570.18	58	11,250.00
1985M10	70	325.84	1,384.50	4,239.48	59	11,150.00
1985M11	71	325.24	1,369.07	4,034.45	60	10,970.00
1985M12	72	321.72	1,391.12	4,089.57	61	10,630.00
1986M1	73	345.38	1,417.57	4,034.45	62	10,240.00
1986M2	74	339.20	1,404.34	3,988.16	63	9,730.00
1986M3	75	345.70	1,444.03	4,135.87	64	8,720.00
1986M4	76	340.44	1,433.00	4,085.16	65	8,890.00
1986M5	77	342.38	1,417.57	4,043.27	66	5,000.00
1986M6	78	342.72	1,413.16	4,087.37	67	3,980.00
1986M7	79	348.77	1,344.82	3,911.00	68	5,660.00
1986M8	80	376.60	1,302.93	3,807.38	69	5,750.00
1986M9	81	418.97	1,309.54	3,723.60	70	5,650.00
1986M10	82	423.53	1,316.18	3,644.24	71	6,380.00
1986M11	83	397.55	1,302.93	3,642.03	72	6,290.00
1986M12	84	390.92	1,331.59	3,562.67	73	6,290.00
1987M1	85	408.26	1,344.82	3,525.19	74	6,280.00
1987M2	86	401.12	1,380.09	3,716.99	75	6,230.00
1987M3	87	408.91	1,463.87	3,772.10	76	6,290.00
1987M4	88	436.35	1,483.71	3,897.77	77	6,630.00
1987M5	89	460.83	1,518.98	4,435.70	78	6,880.00
1987M6	90	449.59	1,571.89	4,435.70	79	6,620.00
1987M7	91	450.52	1,693.15	4,753.16	80	6,810.00
1987M8	92	461.15	1,754.88	5,306.52	81	6,780.00
1987M9	93	480.35	1,809.99	5,332.98	82	6,870.00
1987M10	94	465.36	1,966.62	5,682.33	83	6,560.00
1987M11	95	467.57	2,519.88	5,937.04	84	6,670.00
1987M12	96	486.24	2,866.01	7,661.05	85	7,050.00
1988M1	97	476.58	2,660.98	8,073.32	86	6,980.00
1988M2	98	442.87	2,328.08	8,666.36	87	6,880.00
1988M3	99	443.35	2,358.94	15,496.27	88	7,030.00
1988M4	100	451.55	2,283.99	18,011.75	89	7,030.00
1988M5	101	451.07	2,442.72	17,024.08	90	7,030.00
1988M6	102	451.37	2,539.72	15,588.87	91	7,040.00
1988M7	103	437.63	2,213.44	14,592.38	92	7,040.00
1988M8	104	431.26	2,200.21	14,186.73	93	7,110.00
1988M9	105	413.41	2,433.90	11,878.49	94	7,120.00
1988M10	106	406.78	2,936.55	11,556.62	95	7,370.00
1988M11	107	420.46	3,302.52	13,342.36	96	7,490.00
1988M12	108	419.44	3,496.53	16,920.46	97	7,530.00
1989M1	109	404.01	3,392.91	17,725.14	98	7,680.00
1989M2	110	387.51	3,095.29	18,582.47	99	7,580.00
1989M3	111	389.80	3,262.84	17,156.35	100	7,590.00

1989M4	112	384.42	3,117.33	15,261.50	101	7,640.00
1989M5	113	371.05	2,738.14	13,454.00	102	7,700.00
1989M6	114	367.57	2,544.13	12,143.00	103	7,630.00
1989M7	115	374.98	2,503.79	12,275.00	104	7,600.00
1989M8	116	365.10	2,760.18	12,910.00	105	7,750.00
1989M9	117	361.78	2,883.64	11,222.00	106	7,750.00
1989M10	118	367.02	2,859.39	10,425.00	107	7,610.00
1989M11	119	392.36	2,590.43	9,793.00	108	7,640.00
1989M12	120	409.72	2,418.47	8,909.00	109	7,630.00
1990M1	121	409.82	2,365.58	7,056.00	110	7,660.00
1990M2	122	417.18	2,358.94	6,977.00	111	8,030.00
1990M3	123	392.70	2,625.70	9,267.00	112	8,230.00
1990M4	124	374.29	2,685.23	8,939.00	113	8,150.00
1990M5	125	369.20	2,740.34	8,698.00	114	8,140.00
1990M6	126	352.53	2,583.81	8,422.00	115	9,110.00
1990M7	127	362.50	2,769.00	9,318.00	116	11,700.00
1990M8	128	394.63	2,956.40	10,957.00	117	12,420.00
1990M9	129	389.76	3,040.17	10,844.00	118	13,530.00
1990M10	130	381.00	2,742.55	9,145.00	119	12,630.00
1990M11	131	381.79	2,583.81	8,587.00	120	13,930.00
1990M12	132	376.68	2,484.61	8,158.00	121	16,690.00
1991M1	133	383.70	2,447.13	8,569.00	122	14,840.00
1991M2	134	364.39	2,447.13	8,672.00	123	14,840.00
1991M3	135	362.78	2,409.65	8,700.00	124	14,840.00
1991M4	136	358.32	2,471.38	9,023.00	125	14,330.00
1991M5	137	356.96	2,340.42	8,499.61	126	13,290.00
1991M6	138	366.91	2,218.07	8,296.50	127	12,880.00
1991M7	139	367.79	2,231.26	8,515.20	128	13,370.00
1991M8	140	356.67	2,236.19	8,154.75	129	14,960.00
1991M9	141	348.74	2,318.58	7,675.95	130	17,625.00
1991M10	142	358.81	2,360.65	7,453.86	131	24,380.00
1991M11	143	359.59	2,375.66	7,258.50	132	30,580.00
1991M12	144	361.53	2,205.92	7,140.26	133	30,920.00
1992M1	145	354.70	2,150.58	7,531.14	134	28,250.00
1992M2	146	353.78	2,208.89	7,888.00	135	28,330.00
1992M3	147	344.18	2,231.79	7,430.46	136	27,020.00
1992M4	148	338.69	2,214.17	7,417.95	137	26,500.00
1992M5	149	337.10	2,219.32	7,333.95	138	24,750.00
1992M6	150	341.02	2,296.44	7,202.36	139	21,670.00
1992M7	151	352.25	2,527.29	7,516.17	140	19,630.00
1992M8	152	342.89	2,513.47	7,279.75	141	18,781.25
1992M9	153	345.01	2,419.61	6,918.57	142	15,350.00
1992M10	154	344.89	2,262.46	6,322.50	143	16,312.50
1992M11	155	335.05	2,161.79	5,593.71	144	15,875.00
1992M12	156	334.81	2,211.85	5,751.19	145	15,505.00
1993M1	157	329.03	2,264.21	5,948.10	146	15,958.33
1993M2	158	329.30	2,212.18	6,050.75	147	16,125.00
1993M3	159	330.10	2,182.38	5,974.91	148	15,275.00
1993M4	160	342.06	1,953.62	5,987.50	149	14,800.00
1993M5	161	366.67	1,799.35	5,777.79	150	13,687.50
1993M6	162	371.81	1,857.87	5,544.32	151	12,875.00
1993M7	163	392.40	1,927.34	5,051.18	152	12,175.00
1993M8	164	378.70	1,951.07	4,740.48	153	12,333.33
1993M9	165	354.40	1,858.25	4,376.05	154	12,216.67
1993M10	166	362.38	1,647.00	4,464.86	155	11,050.00
1993M11	167	374.17	1,632.57	4,642.27	156	13,400.00
1993M12	168	383.30	1,723.63	5,139.80	157	20,750.00
1994M1	169	387.08	1,807.07	5,584.05	158	21,166.67
1994M2	170	382.30	1,865.08	5,830.10	159	24,416.67

1994M3	171	383.88	1,913.17	5,590.43	160	24,875.00
1994M4	172	377.32	1,881.37	5,400.26	161	23,562.50
1994M5	173	381.59	2,144.50	6,082.86	162	24,375.00
1994M6	174	385.74	2,363.09	6,287.05	163	23,525.00
1994M7	175	385.40	2,447.24	6,230.57	164	22,437.50
1994M8	176	380.76	2,406.75	5,856.14	165	25,500.00
1994M9	177	381.93	2,504.84	6,370.68	166	27,333.33
1994M10	178	389.59	2,546.02	6,735.86	167	26,687.50
1994M11	179	384.44	2,803.55	7,474.55	168	29,250.00
1994M12	180	379.40	2,980.70	8,540.65	169	30,375.00
1995M1	181	378.55	3,003.28	9,586.19	170	30,000.00
1995M2	182	376.51	2,870.45	8,431.25	171	28,437.50
1995M3	183	381.66	2,919.67	7,522.39	172	27,937.50
1995M4	184	391.04	2,894.89	7,405.00	173	29,000.00
1995M5	185	385.22	2,771.57	7,262.38	174	27,850.00
1995M6	186	387.49	2,987.68	7,877.27	175	27,400.00
1995M7	187	388.24	3,076.45	8,618.00	176	28,812.50
1995M8	188	383.70	3,040.14	8,931.82	177	29,045.00
1995M9	189	383.22	2,910.43	8,397.25	178	29,187.50
1995M10	190	383.07	2,810.07	8,088.86	179	30,875.00
1995M11	191	385.68	2,981.62	8,498.10	180	31,675.00
1995M12	192	387.56	2,918.21	8,074.21	181	31,750.00
1996M1	193	400.07	2,606.00	7,870.71	182	31,125.00
1996M2	194	404.48	2,544.67	8,198.50	183	29,350.00
1996M3	195	386.33	2,563.35	8,046.40	184	28,375.00
1996M4	196	393.14	2,594.17	8,047.00	185	28,500.00
1996M5	197	381.94	2,658.76	8,042.86	186	26,062.50
1996M6	198	385.27	2,177.60	7,713.16	187	22,687.50
1996M7	199	383.59	1,983.93	7,202.61	188	21,400.00
1996M8	200	387.47	2,017.88	7,037.62	189	22,150.00
1996M9	201	382.96	1,935.07	7,329.81	190	21,887.50
1996M10	202	381.07	1,960.20	7,028.70	191	21,400.00
1996M11	203	378.52	2,215.43	6,960.71	192	21,400.00
1996M12	204	388.98	2,264.60	6,571.05	193	21,887.50
1997M1	205	355.20	2,427.27	7,089.14	194	21,687.50
1997M2	206	346.71	2,406.63	7,736.58	195	19,925.00
1997M3	207	351.81	2,420.18	7,893.21	196	22,488.75
1997M4	208	344.58	2,389.32	7,313.14	197	25,375.00
1997M5	209	343.70	2,513.30	7,476.00	198	23,406.25
1997M6	210	340.48	2,811.29	7,080.00	199	22,562.50
1997M7	211	324.09	2,449.20	6,832.74	200	23,475.00
1997M8	212	324.05	2,250.10	6,764.45	201	24,525.00
1997M9	213	324.48	2,104.31	6,498.29	202	23,770.00
1997M10	214	323.88	2,050.70	6,373.48	203	25,412.50
1997M11	215	305.35	1,918.50	6,137.25	204	25,650.00
1997M12	216	287.62	1,761.45	5,942.38	205	24,995.00
1998M1	217	289.50	1,687.60	5,489.00	206	24,668.75
1998M2	218	297.46	1,664.00	5,367.25	207	24,958.33
1998M3	219	295.95	1,747.16	5,397.05	208	24,625.00
1998M4	220	308.29	1,800.13	5,391.00	209	24,500.00
1998M5	221	298.98	1,731.66	5,016.84	210	24,250.00
1998M6	222	292.54	1,656.60	4,456.90	211	22,820.00
1998M7	223	292.75	1,656.67	4,332.62	212	21,787.50
1998M8	224	284.11	1,619.93	4,078.00	213	20,837.50
1998M9	225	288.98	1,646.77	4,100.91	214	17,750.00
1998M10	226	295.71	1,585.50	3,870.45	215	15,437.50
1998M11	227	293.72	1,573.72	4,117.25	216	11,488.75
1998M12	228	291.68	1,475.76	3,865.76	217	10,937.50
1999M1	229	286.94	1,432.00	4,264.00	218	18,083.33



1999M2	230	287.66	1,412.95	4,623.25	219	18,525.00
1999M3	231	286.21	1,378.48	5,002.95	220	16,350.00
1999M4	232	282.62	1,463.73	5,054.75	221	16,112.50
1999M5	233	276.91	1,510.45	5,395.79	222	20,581.25
1999M6	234	261.31	1,422.16	5,194.77	223	20,100.00
1999M7	235	256.89	1,639.18	5,696.36	224	19,000.00
1999M8	236	256.91	1,646.74	6,431.43	225	18,350.00
1999M9	237	264.31	1,749.68	7,029.09	226	15,666.67
1999M10	238	310.78	1,723.29	7,317.62	227	14,000.00
1999M11	239	293.18	1,726.77	7,948.82	228	14,200.00
1999M12	240	282.95	1,764.88	8,073.24	229	14,437.50
2000M1	241	284.07	1,643.85	8,315.25	230	14,093.75
2000M2	242	299.72	1,807.03	9,583.75	231	15,225.00
2000M3	243	286.92	1,739.80	10,255.40	232	16,218.75
2000M4	244	279.65	1,681.91	9,746.50	233	16,543.48
2000M5	245	276.74	1,785.10	10,122.91	234	14,977.27
2000M6	246	285.73	1,792.07	8,384.32	235	13,071.43
2000M7	247	281.59	1,803.14	8,174.81	236	13,934.78
2000M8	248	274.43	1,857.12	8,038.43	237	15,029.76
2000M9	249	273.53	1,981.89	8,624.81	238	16,681.82
2000M10	250	289.93	1,894.37	7,650.64	239	16,000.00
2000M11	251	266.30	1,795.60	7,350.59	240	16,000.00
2000M12	252	271.45	1,852.40	7,318.80	241	13,500.00
2001M1	253	265.49	1,787.06	6,975.91	242	13,900.00
2001M2	254	262.09	1,768.13	6,546.80	243	14,272.73
2001M3	255	263.03	1,742.16	6,165.18	244	14,119.05
2001M4	256	280.33	1,665.97	6,363.11	245	10,908.70
2001M5	257	272.09	1,684.85	7,086.48	246	10,814.29
2001M6	258	270.20	1,610.47	6,674.33	247	10,293.18
2001M7	259	267.53	1,526.77	5,982.55	248	9,681.52
2001M8	260	272.09	1,466.41	5,525.64	249	9,312.50
2001M9	261	284.47	1,427.70	5,057.65	250	8,250.00
2001M10	262	282.27	1,377.38	4,830.78	251	8,250.00
2001M11	263	277.18	1,434.29	5,131.32	252	7,582.86
2001M12	264	275.84	1,472.85	5,315.82	253	6,950.00
2002M1	265	281.00	1,508.23	6,081.36	254	6,950.00
2002M2	266	295.29	1,561.37	6,039.95	255	6,785.48
2002M3	267	294.05	1,607.39	6,543.20	256	6,625.00
2002M4	268	302.68	1,588.57	6,956.81	257	6,684.78
2002M5	269	314.49	1,597.02	6,771.18	258	6,706.25
2002M6	270	321.18	1,650.59	7,147.61	259	6,788.04
2002M7	271	313.29	1,588.28	7,137.70	260	6,613.64
2002M8	272	310.28	1,482.92	6,736.86	261	6,685.71
2002M9	273	319.14	1,478.93	6,664.95	262	6,188.04
2002M10	274	316.56	1,486.17	6,818.91	263	6,185.71
2002M11	275	320.44	1,581.04	7,314.81	264	6,551.14
2002M12	276	332.04	1,592.96	7,206.33	265	13,724.80
2003M1	277	366.86	1,650.31	8,032.81	266	14,426.48
2003M2	278	358.97	1,682.15	8,607.90	267	16,688.64
2003M3	279	340.55	1,655.69	8,339.62	268	16,924.46
2003M4	280	328.18	1,587.87	7,930.53	269	17,937.89
2003M5	281	355.68	1,651.10	8,347.73	270	19,538.03
2003M6	282	356.35	1,685.11	8,839.02	271	19,581.40
2003M7	283	351.02	1,712.83	8,831.70	272	19,234.44
2003M8	284	359.77	1,756.73	9,359.88	273	18,828.78
2003M9	285	378.95	1,789.67	9,995.77	274	19,552.10
2003M10	286	378.52	1,925.68	11,040.28	275	25,581.51
2003M11	287	389.91	2,053.28	12,052.38	276	34,005.51
2003M12	288	406.95	2,202.04	14,185.21	277	49,222.59



2004M1	289	413.79	2,421.48	15,089.33	278	49,818.73
2004M2	290	404.88	2,751.72	15,099.35	279	50,171.15
2004M3	291	406.67	3,000.28	13,786.54	280	48,601.61
2004M4	292	403.26	2,926.98	12,725.90	281	46,839.23
2004M5	293	383.78	2,728.46	11,228.61	282	46,214.59
2004M6	294	392.37	2,689.05	13,699.36	283	45,381.65
2004M7	295	398.09	2,816.80	15,020.07	284	43,829.22
2004M8	296	400.51	2,844.20	13,639.62	285	42,959.85
2004M9	297	405.28	2,903.17	13,430.36	286	40,463.89
2004M10	298	420.46	3,009.40	14,378.48	287	31,083.64
2004M11	299	439.38	3,130.31	14,089.51	288	32,403.36
2004M12	300	442.08	3,139.79	13,764.98	289	34,645.42
2005M1	301	424.03	3,168.10	14,583.75	290	33,487.84
2005M2	302	423.35	3,247.10	15,415.80	291	30,406.81
2005M3	303	434.32	3,378.90	16,239.90	292	32,460.45
2005M4	304	429.23	3,389.81	16,138.33	293	29,070.72
2005M5	305	421.87	3,241.90	17,002.25	294	26,714.33
2005M6	306	430.66	3,529.73	16,113.18	295	25,135.32
2005M7	307	424.48	3,608.48	14,587.60	296	29,046.21
2005M8	308	437.93	3,791.91	14,982.00	297	29,206.51
2005M9	309	458.05	3,850.66	14,154.55	298	25,262.83
2005M10	310	469.90	4,056.17	12,431.12	299	25,066.68
2005M11	311	476.67	4,278.16	12,235.05	300	26,867.50
2005M12	312	510.10	4,577.03	13,490.45	301	25,742.30
2006M1	313	549.86	4,743.86	14,660.81	302	23,816.45
2006M2	314	555.00	4,974.98	14,974.50	303	25,487.89
2006M3	315	557.09	5,123.67	14,925.48	304	28,037.83
2006M4	316	610.65	6,404.44	18,028.89	305	28,344.52
2006M5	317	675.39	8,059.19	21,131.33	306	26,557.02
2006M6	318	598.15	7,222.77	20,585.91	307	26,079.91
2006M7	319	633.71	7,726.74	26,185.71	308	31,604.26
2006M8	320	632.59	7,690.25	30,468.86	309	35,804.25
2006M9	321	598.19	7,622.64	29,702.62	310	34,671.08
2006M10	322	585.78	7,497.41	32,551.14	311	36,271.36
2006M11	323	627.63	7,029.30	31,891.59	312	52,650.76
2006M12	324	629.79	6,680.97	34,400.53	313	47,696.25
2007M1	325	631.17	5,689.34	36,821.59	314	48,680.27
2007M2	326	664.75	5,718.15	41,078.25	315	56,929.12
2007M3	327	654.90	6,465.30	46,125.23	316	57,833.44
2007M4	328	679.37	7,753.34	49,958.58	317	54,885.37
2007M5	329	666.86	7,677.95	51,783.33	318	52,152.01
2007M6	330	655.49	7,514.24	41,551.67	319	49,984.32
2007M7	331	665.30	7,980.93	33,400.23	320	46,381.59
2007M8	332	665.41	7,500.20	27,649.64	321	62,218.59
2007M9	333	712.65	7,671.35	29,548.40	322	54,467.58
2007M10	334	754.60	8,020.69	31,156.00	323	59,488.67
2007M11	335	806.25	6,957.43	30,505.64	324	72,800.81
2007M12	336	803.20	6,830.74	26,053.56	325	83,037.81
2008M1	337	889.60	7,078.91	27,774.77	326	91,011.23
2008M2	338	922.30	7,941.14	28,064.95	327	96,022.92
2008M3	339	968.43	8,434.32	31,093.05	328	92,483.82
2008M4	340	909.70	8,714.18	28,776.82	329	88,923.57
2008M5	341	888.66	8,356.13	26,686.50	330	84,657.57
2008M6	342	889.49	8,292.00	22,562.57	331	74,009.38
2008M7	343	939.77	8,407.02	20,106.96	332	50,482.28
2008M8	344	839.03	7,633.80	19,111.60	333	58,288.82
2008M9	345	829.93	6,975.11	17,781.86	334	62,763.44
2008M10	346	806.62	4,894.89	12,144.87	335	41,394.17
2008M11	347	760.86	3,729.19	10,776.50	336	27,996.06

2008M12	348	816.09	3,105.10	9,846.93	337	30,717.55
2009M1	349	858.69	3,260.36	11,562.95	338	30,801.63
2009M2	350	943.16	3,328.41	10,410.75	339	26,494.92
2009M3	351	924.27	3,770.88	8,710.73	340	29,165.11
2009M4	352	890.20	4,436.93	11,331.60	341	29,794.95
2009M5	353	928.64	4,591.46	12,720.08	342	27,447.08
2009M6	354	945.67	5,015.43	14,944.36	343	31,916.30
2009M7	355	934.23	5,228.41	16,017.39	344	35,084.37
2009M8	356	949.38	6,176.88	19,375.93	345	35,726.74
2009M9	357	896.59	6,195.75	17,404.64	346	32,312.21
2009M10	358	1,043.16	6,305.99	18,489.48	347	37,980.59
2009M11	359	1,127.04	6,682.44	16,911.33	348	37,856.05
2009M12	360	1,134.72	6,976.98	17,121.62	349	40,702.42
2010M1	361	1,117.96	7,367.38	18,405.55	350	41,508.01
2010M2	362	1,095.41	6,867.68	19,060.55	351	37,414.14
2010M3	363	1,113.34	7,466.93	22,467.17	352	42,039.98
2010M4	364	1,148.69	7,729.84	26,028.50	353	40,474.35
2010M5	365	1,205.43	8,843.16	21,930.00	354	38,947.73
2010M6	366	1,232.92	6,501.50	19,411.30	355	38,062.50
2010M7	367	1,192.97	6,750.57	19,548.52	356	38,464.76
2010M8	368	1,215.81	7,302.67	21,448.79	357	41,186.36
2010M9	369	1,270.98	7,729.59	22,690.14	358	38,897.62
2010M10	370	1,342.02	8,289.76	23,793.68	359	37,104.77
2010M11	371	1,369.89	8,458.42	22,836.23	360	37,616.67
2010M12	372	1,390.55	9,152.86	24,099.57	361	39,212.50
2011M1	373	1,366.40	9,533.20	25,621.23	362	39,777.75
2011M2	374	1,372.73	9,880.94	28,412.18	363	38,284.13
2011M3	375	1,424.01	9,503.36	26,710.35	364	37,023.61
2011M4	376	1,473.81	9,482.75	26,332.17	365	38,157.50
2011M5	377	1,510.44	8,931.68	24,184.55	366	36,019.32
2011M6	378	1,528.66	9,066.85	22,420.93	367	35,113.10
2011M7	379	1,572.81	9,650.46	23,847.95	368	35,931.36
2011M8	380	1,755.81	8,997.99	21,864.68	369	34,529.55
2011M9	381	1,771.85	8,300.14	20,377.59	370	30,807.19
2011M10	382	1,665.21	7,384.18	19,039.05	371	28,690.91
2011M11	383	1,738.98	7,581.02	17,673.00	372	30,808.75
2011M12	384	1,652.31	7,558.88	18,246.04	373	33,006.67
2012M1	385	1,696.12	8,061.92	19,908.62	374	31,772.62
2012M2	386	1,742.62	8,441.49	20,393.67	375	31,142.73
2012M3	387	1,673.77	8,470.78	18,660.81	376	30,795.66
2012M4	388	1,650.07	8,265.53	17,892.82	377	30,516.82
2012M5	389	1,585.50	7,896.91	16,968.32	378	28,831.91
2012M6	390	1,596.70	7,428.29	16,603.68	379	28,394.08
2012M7	391	1,593.91	7,584.26	16,128.41	380	29,050.36
2012M8	392	1,626.03	7,510.43	15,703.99	381	29,221.25
2012M9	393	1,744.45	8,087.74	17,287.96	382	26,896.74
2012M10	394	1,747.01	8,062.03	17,168.74	383	23,563.41
2012M11	395	1,721.14	7,711.23	16,335.36	384	23,976.00
2012M12	396	1,888.53	7,966.49	17,448.50	385	25,518.09
2013M1	397	1,670.95	8,053.74	17,494.07	386	25,441.33
2013M2	398	1,627.59	8,080.93	17,690.10	387	25,316.98
2013M3	399	1,592.86	7,652.38	16,731.70	388	26,209.45
2013M4	400	1,485.08	7,221.16	15,629.31	389	27,984.38
2013M5	401	1,413.50	7,248.71	14,948.23	390	30,047.54
2013M6	402	1,342.36	7,000.24	14,280.28	391	29,290.04
2013M7	403	1,286.72	6,906.64	13,750.32	392	26,803.43
2013M8	404	1,347.10	7,186.25	14,308.26	393	28,680.43
2013M9	405	1,348.60	7,159.27	13,801.39	394	27,037.96
2013M10	406	1,316.18	7,203.02	14,117.65	395	26,172.48

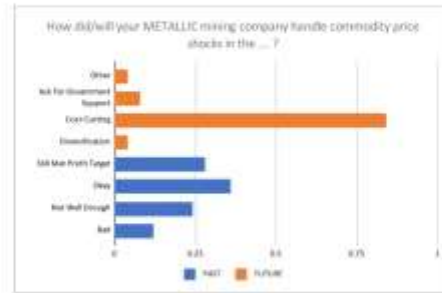
2013M11	407	1,275.82	7,070.65	13,684.01	396	26,587.78
2013M12	408	1,225.40	7,214.90	13,924.55	397	28,134.57
2014M1	409	1,244.80	7,291.47	14,101.25	398	31,081.85
2014M2	410	1,300.98	7,149.21	14,203.55	399	30,899.43
2014M3	411	1,336.08	6,650.04	15,678.10	400	29,771.85
2014M4	412	1,299.00	6,673.56	17,373.60	401	28,993.23
2014M5	413	1,287.53	6,891.13	19,401.08	402	30,458.60
2014M6	414	1,279.10	6,821.14	18,628.81	403	31,897.20
2014M7	415	1,310.97	7,113.38	19,117.65	404	32,341.56
2014M8	416	1,295.99	7,001.84	18,600.20	405	32,350.74
2014M9	417	1,238.82	6,872.22	18,034.80	406	31,142.42
2014M10	418	1,222.49	6,737.48	15,812.37	407	30,752.14
2014M11	419	1,176.30	6,712.85	15,807.05	408	30,945.21
2014M12	420	1,202.29	6,446.45	15,962.05	409	30,749.48
2015M1	421	1,251.85	5,830.54	14,849.19	410	29,155.38
2015M2	422	1,227.19	5,729.28	14,573.84	411	27,568.78
2015M3	423	1,178.63	5,939.67	13,755.50	412	28,827.28
2015M4	424	1,197.91	6,042.09	12,830.93	413	30,066.58
2015M5	425	1,199.05	6,294.78	13,511.34	414	30,650.39
2015M6	426	1,181.50	5,833.01	12,825.23	415	31,579.87
2015M7	427	1,130.04	5,456.75	11,413.10	416	29,243.95
2015M8	428	1,117.48	5,127.30	10,386.00	417	27,714.31
2015M9	429	1,124.53	5,217.25	9,937.55	418	27,499.05
2015M10	430	1,159.25	5,216.09	10,316.83	419	24,413.70
2015M11	431	1,085.70	4,799.90	9,244.33	420	23,951.18
2015M12	432	1,068.25	4,638.83	8,707.79	421	23,134.60
2016M1	433	1,087.38	4,471.79	8,507.29	422	22,275.88
2016M2	434	1,199.91	4,598.62	8,298.50	423	22,982.52
2016M3	435	1,246.34	4,953.80	8,717.25	424	23,000.50
2016M4	436	1,242.26	4,872.74	8,878.86	425	23,413.63
2016M5	437	1,259.40	4,694.54	8,660.35	426	23,692.73
2016M6	438	1,276.40	4,641.97	8,928.35	427	25,085.52
2016M7	439	1,337.33	4,864.90	10,262.86	428	26,286.59
2016M8	440	1,341.09	4,751.67	10,335.99	429	26,625.00
2016M9	441	1,326.03	4,722.20	10,191.78	430	28,205.67
2016M10	442	1,286.57	4,731.26	10,259.74	431	29,258.41
2016M11	443	1,235.98	5,450.93	11,128.91	432	31,589.38
2016M12	444	1,151.40	5,660.35	10,972.28	433	34,720.38
2017M1	445	1,192.62	5,754.58	9,971.46	434	43,005.00
2017M2	446	1,234.38	5,940.91	10,643.30	435	52,785.22
2017M3	447	1,231.09	5,824.63	10,204.66	436	55,305.56
2017M4	448	1,265.63	5,683.90	9,609.28	437	54,941.94
2017M5	449	1,245.00	5,599.56	9,155.12	438	57,449.45
2017M6	450	1,260.26	5,719.76	8,931.76	439	58,548.90
2017M7	451	1,236.22	5,985.12	9,491.39	440	58,465.14
2017M8	452	1,282.32	6,485.63	10,889.98	441	60,128.50
2017M9	453	1,314.98	6,577.17	11,215.79	442	58,905.86
2017M10	454	1,279.51	6,807.60	11,335.77	443	62,118.05
2017M11	455	1,282.28	6,826.55	11,972.00	444	72,632.05
2017M12	456	1,261.26	6,833.89	11,495.11	445	77,293.52
2018M1	457	1,331.67	7,065.85	12,864.88	446	80,792.80
2018M2	458	1,331.53	7,006.53	13,595.88	447	87,614.90
2018M3	459	1,324.66	6,799.18	13,392.50	448	90,782.50
2018M4	460	1,334.74	6,851.51	13,938.10	449	90,250.00
2018M5	461	1,303.03	6,825.27	14,366.49	450	81,188.10
2018M6	462	1,281.57	6,965.86	15,105.65	451	70,647.73
2018M7	463	1,238.53	6,250.75	13,793.86	452	63,302.30
2018M8	464	1,201.25	6,051.05	13,411.35	453	62,210.33
2018M9	465	1,198.47	6,050.76	12,510.35	454	60,626.78

2018M10	466	1,215.39	6,219.59	12,314.91	455	54,962.93
2018M11	467	1,220.95	6,195.92	11,239.72	456	55,263.16
2018M12	468	1,247.92	6,075.32	10,835.08	457	40,704.55
2019M1	469	1,291.75	5,939.10	11,523.09	458	32,100.00
2019M2	470	1,320.07	6,300.49	12,685.23	459	31,333.33
2019M3	471	1,300.90	6,439.46	13,026.27	460	33,500.00
2019M4	472	1,286.45	6,438.36	12,772.79	461	34,166.67
2019M5	473	1,283.95	6,017.90	12,016.31	462	28,809.00
2019M6	474	1,359.04	5,882.23	11,943.94	463	27,340.33
2019M7	475	1,412.98	5,941.20	13,546.30	464	30,136.57
2019M8	476	1,498.80	5,709.44	15,748.64	465	35,720.43
2019M9	477	1,511.31	5,759.25	17,656.88	466	35,263.09
2019M10	478	1,494.60	5,757.30	17,046.22	467	35,510.17
2019M11	479	1,470.02	5,859.95	15,171.81	468	33,547.46
2019M12	480	1,476.04	6,077.06	13,829.43	469	32,213.02
<b>Commodity</b>	<b>Gold</b>	<b>Copper</b>	<b>Nickel</b>	<b>Cobalt</b>		
<b>Compounded Monthly Growth Rate</b>		<b>0.1633%</b>	<b>0.0577%</b>	<b>0.0122%</b>		<b>0.1223%</b>

Ex-Pandemic Qualitative Survey (Metallic Mining)

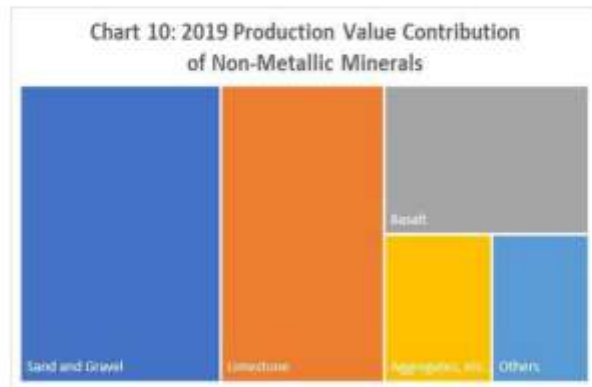
How did/will your company handle commodity price shocks IN THE ...?

	PAST	FUTURE	
Bad	3	Diversification	1
Not Well Enough	6	Cost-Cutting	21
Okay	9	Ask For Government Support	2
Still Met Profit Target	7	Other	1
N= 25			
	PAST	FUTURE	
Bad	12%		
Not Well Enough	24%		
Okay	36%		
Still Met Profit Target	28%		
Diversification		4%	
Cost-Cutting		84%	
Ask For Government Support		8%	
Other		4%	



2019 Production Value Contribution of Non-Metallic Minerals (in million PHP)

		% Share
Sand and Gravel	3,180.81	35.30%
Limestone	2,587.27	28.71%
Basalt	1,626.99	18.06%
Aggregates, etc.	852.17	9.46%
Others	763.04	8.47%
	9,010.28	



**Annual Commodity Prices of Select Non-Metallic Minerals (in USD per ton)**

	<b>SAND AND GRAVEL</b>	<b>LIMESTONE</b>	<b>SILICA (for basalt)</b>
1991	3.96	5.15	16.81
1992	4.01	5.31	17.24
1993	4.06	5.3	17.33
1994	4.2	5.39	17.86
1995	4.3	5.36	17.82
1996	4.38	5.4	17.88
1997	4.47	5.64	17.93
1998	4.57	5.39	18.19
1999	4.73	5.35	18.64
2000	4.81	5.39	19.58
2001	5.02	5.57	20.64
2002	5.07	5.71	20.98
2003	5.16	5.93	22.14
2004	5.32	6.08	23.06
2005	5.86	7.29	24.57
2006	6.47	8.03	26.26
2007	7.06	8.58	27.64
2008	7.44	9.36	30.82
2009	7.51	9.73	34.25
2010	7.3	9.57	35.63
2011	7.49	9.6	45.74
2012	7.65	9.73	52.8
2013	7.76	9.94	55.8
2014	8.04	10.19	74.8
2015	8.28	10.49	47.3
2016	8.41	11.06	35.4
2017	8.83	11.45	52
2018	9.14	11.64	56.4
2019	9.32	11.96	47.3

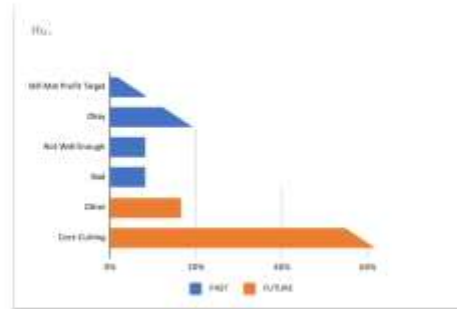
**Ex-Pandemic Qualitative Survey (Non-Metallic Mining)**

How did/will your company handle commodity price shocks IN THE ...?

	PAST		FUTURE
Bad	1	Diversification	0
Not Well Enough	1	Cost-Cutting	8
Okay	8	Ask For Government Support	0
Still Met Profit Target	1	Other	2
No Answer	1	No Answer	2

N= 12

	PAST	FUTURE	
Cost-Cutting			67%
Other			17%
Bad	8%		
Not Well Enough	8%		
Okay	67%		
Still Met Profit Target	8%		





Commodity	Crude Oil		Natural Gas		Coal	
Commodity Description	Crude Oil (petroleum), Price index, 2016 = 100, simple average of three spot prices; Dated Brent, West Texas Intermediate, and the Dubai Fateh		Natural Gas Price Index, 2016 = 100, includes European, Japanese, and American Natural Gas Price Indices		Coal Price Index, 2016 = 100, includes Australian and South African Coal	
Data Type	Index		Index		Index	
Frequency	Monthly		Monthly		Monthly	
	N=	N=	N=	N=	N=	N=
1990M1					1	51
1990M2					2	51
1990M3					3	51
1990M4					4	51
1990M5					5	54
1990M6					6	55
1990M7					7	55
1990M8					8	55
1990M9					9	55
1990M10					10	55
1990M11					11	55
1990M12					12	55
1991M1	1	52			13	55
1991M2	2	42			14	55
1991M3	3	43			15	52
1991M4	4	44			16	52
1991M5	5	45			17	52
1991M6	6	44			18	52
1991M7	7	47			19	52
1991M8	8	47			20	52
1991M9	9	48			21	52
1991M10	10	51			22	52
1991M11	11	48			23	52
1991M12	12	41			24	52
1992M1	13	40	1	55	25	52
1992M2	14	41	2	50	26	52
1992M3	15	41	3	51	27	52
1992M4	16	44	4	52	28	52
1992M5	17	46	5	55	29	52
1992M6	18	48	6	56	30	51
1992M7	19	45	7	58	31	49
1992M8	20	44	8	62	32	49
1992M9	21	45	9	64	33	49
1992M10	22	45	10	68	34	48
1992M11	23	44	11	66	35	46
1992M12	24	42	12	65	36	46
1993M1	25	41	13	63	37	46
1993M2	26	43	14	60	38	43
1993M3	27	43	15	66	39	43
1993M4	28	42	16	68	40	43
1993M5	29	42	17	65	41	43
1993M6	30	40	18	63	42	43

1993M7	31	38 19	64 43	43
1993M8	32	38 20	67 44	43
1993M9	33	38 21	65 45	43
1993M10	34	38 22	62 46	43
1993M11	35	35 23	65 47	43
1993M12	36	31 24	62 48	43
1994M1	37	33 25	63 49	43
1994M2	38	32 26	68 50	43
1994M3	39	32 27	60 51	42
1994M4	40	35 28	58 52	42
1994M5	41	38 29	57 53	43
1994M6	42	39 30	58 54	46
1994M7	43	40 31	59 55	46
1994M8	44	38 32	56 56	46
1994M9	45	36 33	54 57	46
1994M10	46	36 34	54 58	47
1994M11	47	38 35	54 59	47
1994M12	48	36 36	56 60	51
1995M1	49	37 37	55 61	53
1995M2	50	38 38	56 62	54
1995M3	51	37 39	57 63	54
1995M4	52	39 40	59 64	54
1995M5	53	38 41	59 65	55
1995M6	54	36 42	60 66	56
1995M7	55	33 43	57 67	57
1995M8	56	35 44	57 68	57
1995M9	57	37 45	58 69	57
1995M10	58	35 46	61 70	57
1995M11	59	36 47	62 71	56
1995M12	60	39 48	72 72	55
1996M1	61	39 49	76 73	55
1996M2	62	39 50	89 74	55
1996M3	63	43 51	76 75	53
1996M4	64	46 52	68 76	54
1996M5	65	43 53	68 77	53
1996M6	66	42 54	71 78	52
1996M7	67	44 55	72 79	52
1996M8	68	45 56	65 80	52
1996M9	69	50 57	62 81	53
1996M10	70	53 58	71 82	53
1996M11	71	50 59	83 83	52
1996M12	72	53 60	93 84	52
1997M1	73	53 61	86 85	52
1997M2	74	48 62	71 86	51
1997M3	75	46 63	65 87	51
1997M4	76	43 64	64 88	51
1997M5	77	46 65	67 89	51
1997M6	78	42 66	67 90	50
1997M7	79	43 67	65 91	49
1997M8	80	45 68	68 92	50

1997M9	81	45 69	74 93	50
1997M10	82	48 70	75 94	49
1997M11	83	45 71	74 95	45
1997M12	84	41 72	66 96	44
1998M1	85	36 73	63 97	44
1998M2	86	34 74	62 98	45
1998M3	87	32 75	61 99	43
1998M4	88	32 76	63 100	43
1998M5	89	34 77	59 101	43
1998M6	90	30 78	59 102	43
1998M7	91	31 79	58 103	42
1998M8	92	31 80	53 104	39
1998M9	93	33 81	55 105	40
1998M10	94	31 82	53 106	40
1998M11	95	28 83	55 107	39
1998M12	96	24 84	49 108	39
1999M1	97	26 85	50 109	39
1999M2	98	25 86	49 110	39
1999M3	99	31 87	49 111	38
1999M4	100	38 88	53 112	38
1999M5	101	39 89	57 113	38
1999M6	102	39 90	58 114	38
1999M7	103	45 91	58 115	37
1999M8	104	48 92	66 116	37
1999M9	105	53 93	65 117	36
1999M10	106	52 94	70 118	36
1999M11	107	57 95	66 119	36
1999M12	108	59 96	67 120	35
2000M1	109	60 97	76 121	36
2000M2	110	65 98	79 122	36
2000M3	111	66 99	83 123	37
2000M4	112	57 100	88 124	37
2000M5	113	67 101	93 125	38
2000M6	114	72 102	105 126	39
2000M7	115	69 103	105 127	39
2000M8	116	73 104	111 128	39
2000M9	117	80 105	120 129	40
2000M10	118	79 106	124 130	41
2000M11	119	82 107	130 131	40
2000M12	120	63 108	175 132	49
2001M1	121	65 109	164 133	50
2001M2	122	68 110	127 134	50
2001M3	123	63 111	123 135	51
2001M4	124	66 112	123 136	51
2001M5	125	71 113	111 137	51
2001M6	126	70 114	105 138	51
2001M7	127	64 115	83 139	51
2001M8	128	66 116	90 140	51
2001M9	129	63 117	79 141	49
2001M10	130	53 118	79 142	49

2001M11	131	48 119	74 143	45
2001M12	132	48 120	74 144	43
2002M1	133	50 121	68 145	44
2002M2	134	52 122	69 146	44
2002M3	135	61 123	78 147	43
2002M4	136	66 124	84 148	41
2002M5	137	65 125	86 149	40
2002M6	138	61 126	83 150	38
2002M7	139	63 127	85 151	35
2002M8	140	66 128	81 152	34
2002M9	141	69 129	88 153	35
2002M10	142	68 130	98 154	40
2002M11	143	60 131	97 155	40
2002M12	144	67 132	106 156	40
2003M1	145	73 133	120 157	40
2003M2	146	78 134	153 158	40
2003M3	147	72 135	128 159	37
2003M4	148	61 136	121 160	36
2003M5	149	60 137	127 161	36
2003M6	150	64 138	126 162	39
2003M7	151	66 139	116 163	42
2003M8	152	69 140	116 164	43
2003M9	153	63 141	112 165	47
2003M10	154	66 142	111 166	49
2003M11	155	66 143	110 167	53
2003M12	156	66 144	132 168	56
2004M1	157	68 145	131 169	61
2004M2	158	68 146	121 170	65
2004M3	159	74 147	122 171	70
2004M4	160	75 148	128 172	77
2004M5	161	84 149	136 173	84
2004M6	162	79 150	137 174	94
2004M7	163	83 151	134 175	100
2004M8	164	93 152	128 176	95
2004M9	165	92 153	127 177	90
2004M10	166	102 154	148 178	90
2004M11	167	90 155	147 179	88
2004M12	168	82 156	151 180	82
2005M1	169	91 157	147 181	80
2005M2	170	95 158	148 182	74
2005M3	171	108 159	161 183	74
2005M4	172	109 160	170 184	75
2005M5	173	104 161	161 185	75
2005M6	174	119 162	168 186	77
2005M7	175	128 163	180 187	79
2005M8	176	137 164	207 188	73
2005M9	177	136 165	249 189	70
2005M10	178	130 166	272 190	64
2005M11	179	125 167	227 191	59
2005M12	180	128 168	260 192	61

2006M1	181	139 169	208 193	66
2006M2	182	135 170	195 194	74
2006M3	183	137 171	186 195	80
2006M4	184	152 172	193 196	83
2006M5	185	150 173	184 197	79
2006M6	186	150 174	184 198	80
2006M7	187	159 175	185 199	81
2006M8	188	157 176	197 200	81
2006M9	189	136 177	169 201	75
2006M10	190	127 178	180 202	73
2006M11	191	127 179	199 203	72
2006M12	192	131 180	189 204	78
2007M1	193	117 181	187 205	79
2007M2	194	125 182	203 206	80
2007M3	195	130 183	192 207	82
2007M4	196	139 184	196 208	82
2007M5	197	139 185	199 209	81
2007M6	198	146 186	196 210	89
2007M7	199	156 187	180 211	97
2007M8	200	149 188	182 212	100
2007M9	201	161 189	179 213	101
2007M10	202	171 190	197 214	112
2007M11	203	187 191	203 215	134
2007M12	204	185 192	207 216	144
2008M1	205	186 193	232 217	148
2008M2	206	191 194	241 218	189
2008M3	207	202 195	252 219	186
2008M4	208	215 196	279 220	178
2008M5	209	245 197	297 221	192
2008M6	210	263 198	320 222	227
2008M7	211	265 199	321 223	269
2008M8	212	235 200	282 224	245
2008M9	213	208 201	268 225	235
2008M10	214	156 202	272 226	175
2008M11	215	118 203	253 227	144
2008M12	216	87 204	234 228	118
2009M1	217	94 205	220 229	120
2009M2	218	91 206	197 230	114
2009M3	219	102 207	169 231	92
2009M4	220	110 208	142 232	96
2009M5	221	124 209	148 233	93
2009M6	222	145 210	148 234	101
2009M7	223	135 211	133 235	102
2009M8	224	149 212	127 236	105
2009M9	225	141 213	126 237	100
2009M10	226	151 214	142 238	104
2009M11	227	157 215	137 239	110
2009M12	228	154 216	162 240	117
2010M1	229	160 217	178 241	138
2010M2	230	158 218	170 242	134

2010M3	231	168 219	157 243	136
2010M4	232	180 220	160 244	144
2010M5	233	166 221	161 245	147
2010M6	234	165 222	168 246	146
2010M7	235	161 223	168 247	144
2010M8	236	162 224	163 248	137
2010M9	237	162 225	157 249	138
2010M10	238	169 226	155 250	145
2010M11	239	176 227	161 251	161
2010M12	240	190 228	168 252	178
2011M1	241	194 229	179 253	196
2011M2	242	203 230	178 254	187
2011M3	243	223 231	178 255	191
2011M4	244	236 232	196 256	190
2011M5	245	220 233	205 257	185
2011M6	246	215 234	210 258	184
2011M7	247	220 235	218 259	182
2011M8	248	203 236	219 260	183
2011M9	249	209 237	217 261	183
2011M10	250	206 238	219 262	177
2011M11	251	218 239	216 263	169
2011M12	252	219 240	216 264	165
2012M1	253	226 241	208 265	170
2012M2	254	236 242	202 266	171
2012M3	255	248 243	207 267	162
2012M4	256	239 244	210 268	157
2012M5	257	221 245	211 269	147
2012M6	258	194 246	216 270	132
2012M7	259	208 247	212 271	133
2012M8	260	226 248	208 272	136
2012M9	261	224 249	209 273	133
2012M10	262	218 250	210 274	128
2012M11	263	215 251	212 275	129
2012M12	264	213 252	212 276	138
2013M1	265	222 253	211 277	136
2013M2	266	229 254	211 278	138
2013M3	267	222 255	220 279	133
2013M4	268	213 256	224 280	130
2013M5	269	215 257	217 281	130
2013M6	270	214 258	217 282	124
2013M7	271	227 259	209 283	115
2013M8	272	231 260	206 284	115
2013M9	273	232 261	208 285	116
2013M10	274	222 262	207 286	124
2013M11	275	218 263	207 287	128
2013M12	276	223 264	220 288	130
2014M1	277	216 265	226 289	127
2014M2	278	221 266	243 290	119
2014M3	279	218 267	227 291	115
2014M4	280	220 268	224 292	115

2014M5	281	222 269	222 293	115
2014M6	282	228 270	220 294	113
2014M7	283	222 271	204 295	108
2014M8	284	213 272	204 296	108
2014M9	285	208 273	202 297	103
2014M10	286	188 274	196 298	100
2014M11	287	170 275	206 299	99
2014M12	288	135 276	200 300	99
2015M1	289	108 277	182 301	93
2015M2	290	126 278	175 302	99
2015M3	291	124 279	167 303	96
2015M4	292	135 280	140 304	90
2015M5	293	144 281	135 305	96
2015M6	294	142 282	132 306	92
2015M7	295	127 283	131 307	90
2015M8	296	106 284	133 308	87
2015M9	297	107 285	130 309	84
2015M10	298	108 286	123 310	80
2015M11	299	101 287	115 311	82
2015M12	300	86 288	116 312	79
2016M1	301	70 289	107 313	77
2016M2	302	72 290	99 314	79
2016M3	303	87 291	90 315	81
2016M4	304	94 292	86 316	80
2016M5	305	106 293	87 317	80
2016M6	306	110 294	97 318	85
2016M7	307	103 295	101 319	95
2016M8	308	104 296	103 320	102
2016M9	309	104 297	105 321	107
2016M10	310	116 298	106 322	134
2016M11	311	107 299	100 323	149
2016M12	312	127 300	119 324	131
2017M1	313	129 301	133 325	132
2017M2	314	130 302	116 326	126
2017M3	315	122 303	102 327	122
2017M4	316	125 304	105 328	124
2017M5	317	118 305	106 329	113
2017M6	318	108 306	102 330	122
2017M7	319	111 307	104 331	128
2017M8	320	115 308	108 332	141
2017M9	321	121 309	118 333	146
2017M10	322	126 310	123 334	144
2017M11	323	138 311	135 335	144
2017M12	324	140 312	141 336	149
2018M1	325	149 313	155 337	155
2018M2	326	142 314	143 338	153
2018M3	327	143 315	139 339	146
2018M4	328	154 316	124 340	144
2018M5	329	167 317	133 341	158
2018M6	330	165 318	144 342	168



2018M7	331	168 319	140 343	173
2018M8	332	165 320	149 344	165
2018M9	333	175 321	163 345	163
2018M10	334	179 322	155 346	159
2018M11	335	146 323	162 347	148
2018M12	336	126 324	153 348	150
2019M1	337	131 325	133 349	145
2019M2	338	143 326	111 350	135
2019M3	339	149 327	103 351	129
2019M4	340	160 328	96 352	117
2019M5	341	157 329	91 353	115
2019M6	342	140 330	78 354	104
2019M7	343	144 331	79 355	106
2019M8	344	136 332	74 356	95
2019M9	345	142 333	81 357	94
2019M10	346	136 334	84 358	102
2019M11	347	143 335	96 359	110
2019M12	348	149 336	87 360	115
<b>Commodity</b>	<b>Crude Oil</b>	<b>Natural Gas</b>	<b>Coal</b>	
<b>Compounded Monthly Growth Rate</b>		<b>0.3040%</b>	<b>0.1405%</b>	<b>0.2247%</b>
	<b>Crude Oil / Natural Gas</b>		<b>Natural Gas / Coal</b>	<b>Crude Oil / Coal</b>
<b>Correlation Coefficient</b>		<b>0.8633</b>	<b>0.7262</b>	<b>0.8682</b>



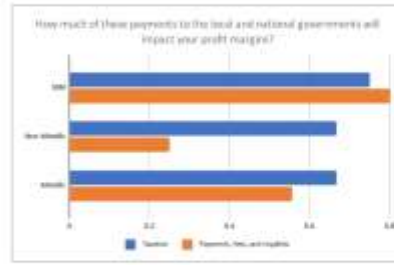
2019 Gross Value Added in Mining and Quarrying by Industry (at Current Prices, in million PHP)

	Q1	Q2	Q3	Q4	TOTAL		% Share
..Mining of coal	4,455	6,211	4,287	2,132	17,085	<b>Coal</b>	10.56%
..Extraction of crude petroleum and natural gas	10,099	10,823	7,010	9,370	37,302	<b>Oil and Gas</b>	23.05%
..Mining of gold ores and other precious metals	7,145	7,246	6,866	5,325	26,582	<b>Non-Metals</b>	30.87%
..Mining of nickel ores	4,360	7,939	6,082	2,382	20,763	<b>Metals</b>	35.52%
..Mining of copper ores	2,670	2,572	2,366	2,532	10,140	<b>Gold and Other Precious Metals</b>	16.43%
..Stone quarrying, and other mining and quarrying	13,754	10,359	10,421	15,420	49,954	<b>Nickel and Copper</b>	19.10%
<b>Gross Value Added in Mining and Quarrying</b>	<b>42,484</b>	<b>45,149</b>	<b>37,032</b>	<b>37,161</b>	<b>161,826</b>		

So-Pandemic Qualitative Survey (Metallic Mining, Non-Metallic, and SSM)

How much of these payments to the local and national governments will impact your profit margin?

	Metallic	Non-Metallic	SSM
Taxation	18	8	15
Payments, fees, and royalties	15	3	16
<b>N*</b>	<b>27</b>	<b>12</b>	<b>20</b>
*multiple answers given			
	Metallic	Non-Metallic	SSM
Taxation	67%	67%	75%
Payments, fees, and royalties	56%	25%	80%



Quarterly Index of OVA in MAQ

	Mining of Crude Petroleum and Natural Gas	Mining of Coal	Mining of Gold Ores and Other Precious Metals	Mining of Nickel Ores and Copper Ores	Stone Quarrying and Other MAQ	
	OIL AND GAS	COAL	GOLD, ETC.	OTHER METALS	NON-METALS	
2000Q1	191.8	39.9		24.9	124.65	82.3
2000Q2	49.8	40.2		28	90.4	32.8
2000Q3	61.1	72.7		27.4	75.35	109.7
2000Q4	58.1	38.1		28.6	117.45	99.3
2001Q1	70.8	67		27.8	113.95	79.6
2001Q2	57.4	47.5		28.8	100.1	83
2001Q3	56.2	81.6		30.6	95.8	91.5
2001Q4	52.9	56.7		29.2	81.6	97.8
2002Q1	64	61		30.4	103.75	64.9
2002Q2	60.6	47.5		32.2	91.4	90.7
2002Q3	72	34.9		35.5	98.5	104
2002Q4	80.5	43.8		35.2	106.7	96.3
2003Q1	98.6	41.4		39.6	119.9	85
2003Q2	58.4	48.8		38.4	110.4	82.1
2003Q3	66.3	88.3		37.8	99.1	94.2
2003Q4	81.1	33.4		43.7	165.4	85.2
2004Q1	90.4	45		44.8	160.5	80
2004Q2	56.9	39.8		40.3	150.5	74.8
2004Q3	115	151.2		44.9	141.25	126.8
2004Q4	38	57.5		45.6	215.4	87
2005Q1	88.2	57.8		41.7	206.35	82.5
2005Q2	63.5	81.9		43.1	264.6	94
2005Q3	143.2	148		40.2	205.9	129.2
2005Q4	114.7	49.5		45.6	219	87.5
2006Q1	109.8	82.1		48.6	153.4	92.3
2006Q2	72.6	57		57.3	256.2	88.8
2006Q3	145.9	130.7		50.6	245.25	112.7
2006Q4	122	49.7		52.6	313.05	85.1
2007Q1	98.8	59.6		63.1	242.15	89.5
2007Q2	63.7	59.6		61.8	347.65	100.4
2007Q3	124.7	118		64.8	225	104.4
2007Q4	109.2	41.4		64.8	280	72
2008Q1	101.8	54.6		71.2	173.3	78.5
2008Q2	78.2	70.9		72	341.55	86.8
2008Q3	163.4	115.9		79.8	170.8	103.4
2008Q4	102.1	44.8		74.7	123.35	81.2
2009Q1	206	62.9		76.8	65.5	80.4
2009Q2	55.4	59.2		82.6	123.7	78.4
2009Q3	159.6	105.5		98.9	113.55	90.7
2009Q4	132.8	36.5		99.7	154.35	81.6
2010Q1	147.3	50.4		96.2	95.3	76.6
2010Q2	61.1	56.9		105.3	169.25	78.9
2010Q3	151.8	133.4		120.6	128.05	101.2
2010Q4	130.3	50.7		119.7	191.15	70.3
2011Q1	151.5	76.5		127	95.65	96.2
2011Q2	72	76.4		129.4	187.1	97.5
2011Q3	162.6	161.9		149.5	144.2	114.6
2011Q4	125.8	31.1		120.9	180.4	65
2012Q1	133.7	87.1		127.4	93.8	77.4
2012Q2	62.5	89.8		122.3	173.55	81.8
2012Q3	160.8	87.5		134.8	123.3	83
2012Q4	137.2	40		123.5	169.45	62.7
2013Q1	135.7	55.5		118.8	73.85	75.6
2013Q2	57.4	83.5		97.7	147.5	74.7
2013Q3	160.2	118		109.5	116.5	93.2
2013Q4	152.8	52		96.6	173.1	66.1
2014Q1	156	86.4		99.9	68.35	75.1
2014Q2	64.7	81.2		94.5	150.05	70.3
2014Q3	154.8	98.9		102.3	133.45	85.2
2014Q4	122.1	83.6		88	170.5	44.4
2015Q1	105.8	58.9		92.1	64.85	75.6
2015Q2	41	54		87.9	128.35	70.8
2015Q3	124.4	102.4		93.7	96.75	91.1
2015Q4	101.3	48.7		85.6	126.35	69.6
2016Q1	96.5	48.9		90.6	56.25	76.2
2016Q2	39.4	58.6		97	108.5	78
2016Q3	110.7	136.9		118.8	93.45	114.5
2016Q4	99.7	52.1		95.1	138.6	75.6
2017Q1	121.5	83.2		96.1	69.75	87.1
2017Q2	47.9	80.4		100	124.85	90.9
2017Q3	135.6	181.9		114	113.65	133.9
2017Q4	123.1	53.8		99.6	167.45	78.5
2018Q1	129.2	76.4		102.2	86.4	82.6
2018Q2	56.4	113		100	141.95	100.2
2018Q3	160.9	254.5		104.3	117.7	134.3
2018Q4	133.4	57.3		93.7	153.95	85.5
2019Q1	129.8	47.2		100.2	78.3	101.2
2019Q2	53.8	75.8		101.6	135.3	98.7
2019Q3	145.5	127		121.1	126.35	125.8
2019Q4	123.5	37.3		114.8	172.15	89.7

Commodity Price Indices (2016=100; except for Non-Metals, 1982=100)

	METALS*	NON-METALS**	OIL AND GAS***	COAL
2000Q1	91.40	137.40	71.58	36.23
2000Q2	69.60	138.27	80.50	38.32
2000Q3	59.37	138.40	93.11	39.59
2000Q4	87.83	138.90	108.84	43.27
2001Q1	86.50	141.10	101.81	50.14
2001Q2	76.53	142.20	90.99	51.24
2001Q3	54.07	142.50	75.80	50.20
2001Q4	64.13	142.63	62.35	45.78
2002Q1	79.30	143.03	62.92	43.56
2002Q2	71.67	143.33	74.17	39.92
2002Q3	57.50	143.67	75.25	34.79
2002Q4	82.87	144.07	82.79	39.71
2003Q1	93.13	144.97	103.89	39.29
2003Q2	90.40	145.67	93.20	37.19
2003Q3	78.67	146.57	90.20	43.74
2003Q4	124.83	147.20	91.89	52.93
2004Q1	121.93	148.67	97.37	65.33
2004Q2	113.83	149.27	106.27	85.13
2004Q3	109.13	149.83	109.59	94.81
2004Q4	158.80	151.00	120.10	86.41
2005Q1	151.47	154.77	125.04	76.29
2005Q2	190.77	155.73	138.31	75.67
2005Q3	153.67	157.37	172.56	74.21
2005Q4	161.20	160.37	190.30	61.51
2006Q1	118.47	166.00	166.67	73.70
2006Q2	189.90	167.27	168.77	80.54
2006Q3	183.37	170.70	167.22	79.03
2006Q4	226.23	171.50	158.83	74.26
2007Q1	182.47	174.60	159.05	80.34
2007Q2	252.37	175.43	169.32	83.81
2007Q3	171.60	176.00	167.67	99.22
2007Q4	208.20	176.80	191.48	130.12
2008Q1	139.27	181.27	217.37	174.29
2008Q2	185.03	184.20	270.02	199.15
2008Q3	140.50	186.57	263.19	249.70
2008Q4	107.13	189.00	186.55	145.63
2009Q1	69.27	198.03	145.54	108.67
2009Q2	110.00	199.50	136.00	96.44
2009Q3	108.67	198.97	135.16	102.57
2009Q4	136.13	199.47	150.51	110.10
2010Q1	95.27	200.73	165.02	136.16
2010Q2	147.93	202.37	166.43	146.10
2010Q3	125.57	203.40	162.08	139.67
2010Q4	167.33	203.97	169.82	161.15

2011Q1	106.10	206.63	192.47	191.48
2011Q2	167.87	209.00	213.96	186.15
2011Q3	145.97	209.67	214.12	182.56
2011Q4	160.57	211.10	215.73	170.36
2012Q1	105.00	218.50	221.30	167.57
2012Q2	156.47	218.80	215.21	145.44
2012Q3	127.13	219.30	214.66	134.01
2012Q4	154.13	219.83	213.43	130.99
2013Q1	88.83	223.77	219.13	135.80
2013Q2	130.90	225.27	216.79	128.03
2013Q3	114.17	225.67	218.77	115.59
2013Q4	147.60	226.37	216.12	127.20
2014Q1	78.87	231.17	225.24	120.43
2014Q2	131.53	234.27	222.58	114.15
2014Q3	123.13	235.03	208.70	106.64
2014Q4	143.33	237.30	182.93	99.37
2015Q1	73.93	238.93	147.08	96.08
2015Q2	114.87	240.20	138.07	92.73
2015Q3	95.73	240.33	122.23	87.19
2015Q4	112.77	240.27	108.18	80.17
2016Q1	67.70	240.43	87.52	79.20
2016Q2	103.33	242.93	96.54	81.87
2016Q3	101.07	243.97	103.42	101.19
2016Q4	124.10	244.33	112.52	137.75
2017Q1	78.53	244.70	122.08	126.73
2017Q2	116.57	245.37	110.73	119.81
2017Q3	113.77	246.13	112.72	138.40
2017Q4	144.83	246.77	133.82	146.00
2018Q1	91.83	247.80	145.20	151.37
2018Q2	127.97	248.77	147.87	156.57
2018Q3	113.23	248.77	160.02	166.97
2018Q4	133.70	249.13	153.60	152.26
2019Q1	85.60	251.37	128.30	136.36
2019Q2	124.07	252.57	120.53	112.00
2019Q3	127.27	251.77	109.45	98.61
2019Q4	153.03	251.27	115.74	108.86

\*Average index of gold, nickel, and copper.

\*\*IMF data unavailable, so US Federal Reserve PPI used instead.

\*\*\*Average index of oil and gas.

**GDP Breakdown (in million PHP, 2018=100)**

	REST OF GDP	REST OF INDUSTRY	N=	MAQ	% Change	TOTAL GDP	% Change
2000	4,752,051	2,178,911	1	56,452		6,985,383	
2001	4,935,171	2,182,088	2	54,421	-3.60%	7,198,384	3.05%
2002	5,119,511	2,254,704	3	81,125	49.07%	7,465,894	3.72%
2003	5,382,806	2,375,938	4	91,679	13.01%	7,845,677	5.09%
2004	5,789,672	2,472,063	5	86,933	-5.18%	8,361,078	6.57%
2005	6,073,040	2,605,742	6	99,343	14.28%	8,774,325	4.94%
2006	6,438,705	2,693,053	7	95,543	-3.83%	9,240,804	5.32%
2007	6,902,564	2,833,391	8	109,046	14.13%	9,843,239	6.52%
2008	7,169,304	2,979,453	9	107,284	-1.62%	10,270,878	4.34%
2009	7,361,981	2,924,253	10	122,121	13.83%	10,419,633	1.45%
2010	7,825,838	3,224,635	11	133,399	9.24%	11,183,861	7.33%
2011	8,203,551	3,283,798	12	133,388	-0.01%	11,615,360	3.86%
2012	8,742,356	3,543,200	13	128,011	-4.03%	12,416,466	6.90%
2013	9,330,125	3,775,008	14	130,910	2.26%	13,254,644	6.75%
2014	9,877,175	4,070,283	15	149,511	14.21%	14,096,047	6.35%
2015	10,497,517	4,336,583	16	148,589	-0.62%	14,990,907	6.35%
2016	11,201,334	4,701,277	17	156,807	5.53%	16,062,676	7.15%
2017	11,973,396	5,039,260	18	160,065	2.08%	17,175,978	6.93%
2018	12,682,665	5,413,668	19	163,322	2.03%	18,265,190	6.34%
2019	13,494,882	5,750,929	20	168,857	3.39%	19,382,751	6.12%
				<b>MAQ</b>		<b>GDP</b>	
				<b>AAGR</b>	6.54%		5.53%
				<b>CAGR</b>	5.63%		5.24%

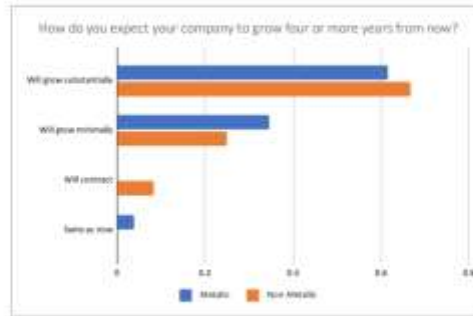
Ex-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)

How do you expect your company to grow 4 or more years from now?

	Metallic	Non-Metallic
Same as now	1	0
Will contract	0	1
Will grow minimally	9	3
Will grow substantially	16	8

N= 26 12

	Metallic	Non-Metallic
Same as now	4%	0%
Will contract	0%	8%
Will grow minimally	35%	25%
Will grow substantially	62%	67%



Exports of Commodities (FOB, in '000 USD)

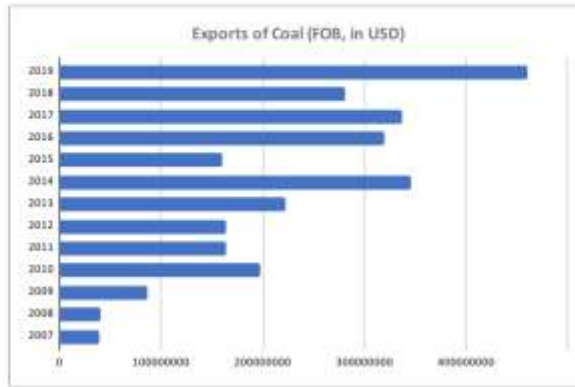
	N=	COPPER CONCENTRATES	GOLD	PETROLEUM PRODUCTS	N=	IRON ORE AGGLOMERATES	CHROMIUM ORE	OTHER MINERAL PRODUCTS	N=	NICKEL
2000	1	28,401.66	184,926.01	371,757.22	-	-	3,108.92	122,899.47	-	-
2001	2	10,318.07	94,491.38	200,939.84	-	-	2,393.96	112,116.83	-	-
2002	3	12,791.71	101,841.49	316,226.71	-	-	1,791.12	120,885.30	-	-
2003	4	12,319.40	117,428.78	536,140.08	1	63,321.72	-	-	-	-
2004	5	14,260.72	48,661.16	380,441.58	2	82,748.00	-	-	-	-
2005	6	36,901.68	49,858.21	585,747.84	3	110,033.17	-	-	-	-
2006	7	84,176.97	227,408.11	918,292.66	4	153,073.80	-	-	-	-
2007	8	137,077.77	266,937.10	1,108,682.59	5	171,820.83	-	-	-	-
2008	9	133,690.58	437,854.81	1,240,162.24	6	113,660.04	-	-	-	-
2009	10	149,516.49	250,122.89	292,954.26	7	91,691.14	-	-	-	-
2010	11	260,781.17	187,432.25	371,162.45	8	109,725.73	-	-	-	-
2011	12	337,469.09	436,001.31	647,749.09	9	62,684.04	8,319.91	783,816.50	-	-
2012	13	244,187.57	504,912.09	465,046.72	10	86,034.09	8,302.99	988,748.08	1	1.49
2013	14	443,473.36	332,818.15	843,158.52	11	113,497.58	15,209.49	1,865,263.02	2	68.29
2014	15	568,696.42	238,592.26	445,716.91	12	118,747.20	5,552.70	2,644,627.32	3	-
2015	16	598,941.42	355,248.75	313,835.89	13	116,811.94	4,315.21	1,397,323.32	4	-
2016	17	526,527.76	535,207.98	282,111.64	14	106,743.69	6,419.35	1,049,761.51	5	-
2017	18	370,250.77	1,227,472.65	395,621.06	15	61,245.32	6,948.41	1,349,349.94	6	64.93
2018	19	616,067.00	1,087,901.54	494,018.33	16	64,631.38	7,997.45	1,130,301.23	7	-
2019	20	552,577.44	1,367,980.99	225,567.86	17	14,264.63	7,673.97	1,468,405.06	8	97.10
		COPPER CONCENTRATES	GOLD	PETROLEUM PRODUCTS		IRON ORE AGGLOMERATES	CHROMIUM ORE	OTHER MINERAL PRODUCTS		NICKEL
Average*		256,922.35	402,654.92	521,816.67		96,513.78	6,502.79	1,086,124.80		57.95
CAGR		16.00%	10.52%	-2.48%		-8.39%	4.62%	13.20%		68.63%

\*per available year



**Exports of Coal (FOB in USD)**

		% Change	N=
2007	38,599,185		1
2008	40,330,957	4.49%	2
2009	86,056,872	113.38%	3
2010	197,301,898	129.27%	4
2011	163,853,554	-16.95%	5
2012	163,781,276	-0.04%	6
2013	222,768,289	36.02%	7
2014	345,654,375	55.16%	8
2015	159,808,567	-53.77%	9
2016	319,648,302	100.02%	10
2017	337,382,250	5.55%	11
2018	281,013,208	-16.71%	12
2019	460,551,700	63.89%	13
<b>AAGR</b>		35.02%	
<b>CAGR</b>		21.01%	



2019 Exports Destinations of MAQ Commodities (FOB in USD)

Hong Kong	1,007,218,945	
People's Republic of China	882,572,423	
Japan	821,108,884	
Switzerland	336,118,909	
Canada	113,700,958	
Singapore	107,944,389	
India	102,941,239	
Malaysia	92,838,009	
Republic of Korea	70,672,046	
Australia	27,445,327	
Taiwan	23,614,177	
Vietnam	14,880,544	
Indonesia	10,591,462	
Bangladesh	9,067,183	
Thailand, etc.	15,852,548	
Thailand	6,408,239	
Pakistan, Islamic Rep. of	5,549,237	
Belgium	2,280,427	
United States of America	738,377	
Cambodia	283,166	
United Kingdom	109,029	
Sri Lanka (Ceylon)	93,567	
Saudi Arabia	79,836	
Germany	60,993	
Papua New Guinea	49,788	
Italy	41,314	
United Arab Emirates, N.E.S.	31,112	
France	27,875	
Lao People's Democratic Republic (Laos)	27,021	
Spain	19,824	
Brunei Darussalam	14,722	
Afghanistan	11,939	
Mexico	11,165	
New Zealand	5,000	
Poland	4,408	
Syrian Arab Republic	3,200	
Turkey	2,204	
Netherlands	105	

Quarterly Indices on MAQ Employment (2016=100)

		N=	DIFFERENCES			
			With Q1	With Q3	Q3 with Q4	With Q4
2000Q1	108.2	1				
2000Q2	338.73	2	213.06%			
2000Q3	93.3	3		-72.46%		
2000Q4	124.31	4			33.33%	-63.30%
2001Q1	101.14	5	Q2 Change			
2001Q2	312.97	6	-7.60%	209.44%		
2001Q3	87.24	7		-72.13%		
2001Q4	118.56	8			14.29%	-62.12%
2002Q1	95.52	9				
2002Q2	281.02	10	-10.21%	194.20%		
2002Q3	127.22	11		-54.73%		
2002Q4	122.07	12			9.09%	-56.56%
2003Q1	92.36	13				
2003Q2	288.69	14	2.73%	212.57%		
2003Q3	141.58	15		-50.96%		
2003Q4	117.74	16			6.67%	-59.22%
2004Q1	89.41	17				
2004Q2	236.78	18	-17.98%	164.82%		
2004Q3	144.72	19		-38.88%		
2004Q4	93.7	20			5.26%	-60.43%
2005Q1	93.58	21				
2005Q2	235.87	22	-0.38%	152.05%		
2005Q3	129.3	23		-45.18%		
2005Q4	96.07	24			4.35%	-59.27%
2006Q1	96.04	25				
2006Q2	271.52	26	15.11%	182.72%		
2006Q3	148.38	27		-45.35%		
2006Q4	103.09	28			3.70%	-62.03%
2007Q1	100.56	29				
2007Q2	293.03	30	7.92%	191.40%		
2007Q3	151.42	31		-48.33%		
2007Q4	97	32			3.23%	-66.90%
2008Q1	91.43	33				
2008Q2	270.46	34	-7.70%	195.81%		
2008Q3	129.43	35		-52.14%		
2008Q4	68.3	36			2.86%	-74.75%
2009Q1	90.22	37				
2009Q2	208.8	38	-22.80%	131.43%		
2009Q3	105.92	39		-49.27%		
2009Q4	55.99	40			2.56%	-73.18%
2010Q1	93.42	41				
2010Q2	156.18	42	-25.20%	67.18%		
2010Q3	91.97	43		-41.11%		

2010Q4	51.77	44				2.33%	-66.85%
2011Q1	85.38	45					
2011Q2	137.01	46	-12.27%	60.47%			
2011Q3	72.87	47			-46.81%		
2011Q4	50.52	48				2.13%	-63.13%
2012Q1	85.92	49					
2012Q2	157.69	50	15.09%	83.53%			
2012Q3	83.84	51			-46.83%		
2012Q4	52.38	52				1.96%	-66.78%
2013Q1	96.19	53					
2013Q2	162.61	54	3.12%	69.05%			
2013Q3	81.43	55			-49.92%		
2013Q4	54.6	56				1.82%	-66.42%
2014Q1	85.11	57					
2014Q2	186.04	58	14.41%	118.59%			
2014Q3	83.35	59			-55.20%		
2014Q4	57.53	60				1.69%	-69.08%
2015Q1	87.97	61					
2015Q2	189.98	62	2.12%	115.96%			
2015Q3	85.3	63			-55.10%		
2015Q4	54.31	64				1.59%	-71.41%
2016Q1	82.19	65					
2016Q2	182.07	66	-4.16%	121.52%			
2016Q3	82.99	67			-54.42%		
2016Q4	52.75	68				1.49%	-71.03%
2017Q1	77.57	69					
2017Q2	179.7	70	-1.30%	131.66%			
2017Q3	86.45	71			-51.89%		
2017Q4	53.19	72				1.41%	-70.40%
2018Q1	73.61	73					
2018Q2	167.56	74	-6.76%	127.63%			
2018Q3	83.92	75			-49.92%		
2018Q4	50.85	76				1.33%	-69.65%
2019Q1	74.59	77					
2019Q2	169.67	78	1.26%	127.47%			
2019Q3	80.65	79			-52.47%		
2019Q4	50.75	80				1.27%	-70.09%
2020Q1	70.36	81					
2020Q2	150.52	82	-11.29%				
CAGR till 2019Q4			-0.94%				
CAGR till 2020Q2			0.40%				

**Q1 to Q2 average growth**

143.53%

**Q2 to Q3 average growth**

-51.65%

**Q3 to Q4 average growth**

102.35%

**Q2 vs. Q4**

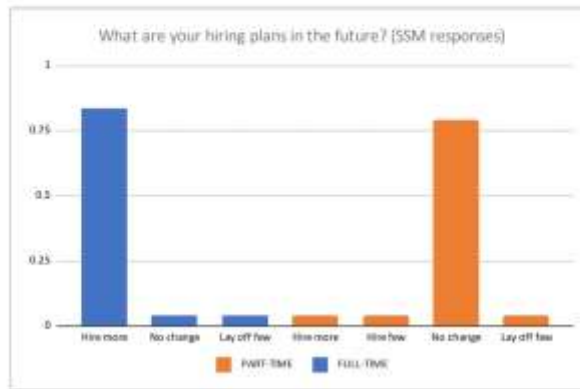
-66.13%

Ex-Pandemic Qualitative Survey (SSM)

What are your hiring plans in the future?

	FULL-TIME	PART-TIME
Hire more	20	
No change	1	
Lay off few	1	
Hire more		1
Hire few		1
No change		19
Lay off few		1
No Response= 2		
N= 24		

	FULL-TIME	PART-TIME
Hire more	83%	
No change	4%	
Lay off few	4%	
Hire more		4%
Hire few		4%
No change		79%
Lay off few		4%



Quarterly Index on Gross Revenue by Sector (2010=100)

		METALLIC		NON-METALLIC		Oil (also for gas)		OTHER NON-METALLIC (for coal)		MAQ		
		% Change		% Change				% Change				
2000	2000Q1	15.88	18.07		0.07			88.02	1	15.83		
	2000Q2	23.2	11.54	-28.25%	0.16	128.57%		8.34	-91.57%	2	18.55	17.18%
	2000Q3	34.35	16.82	-5.88%	1.84	1112.50%		2.83	-66.07%	8	27.36	47.49%
	2000Q4	42.87	8	-52.44%	2.53	30.41%		2.38	-15.90%	4	28.98	5.83%
2001	2001Q1	14.00	14.88	86.00%	4.75	87.75%		78.83	3212.18%	5	14.95	-48.18%
	2001Q2	29.76	12.22	-17.88%	5.84	23.37%		4.49	-94.80%	6	22.77	52.31%
	2001Q3	35.38	13.88	11.95%	7.28	24.23%		1.36	-69.73%	7	26.72	17.35%
	2001Q4	34.83	7.78	-43.13%	1.83	-77.34%		2.88	85.50%	8	24.04	-10.03%
2002	2002Q1	20.38	68.22	776.86%	88.72	5276.97%		86.91	3167.28%	9	28.46	64.14%
	2002Q2	29.85	34.66	-48.90%	40.87	-53.93%		9.29	-89.33%	10	31.85	-19.29%
	2002Q3	44.55	33.09	-5.08%	48.53	18.69%		2.43	-75.84%	11	40.23	26.25%
	2002Q4	44.71	13.46	-59.32%	9.79	-79.82%		2.9	18.34%	12	32.25	-19.80%
2003	2003Q1	24.97	42.17	213.80%	85.27	461.12%		72.67	2416.23%	13	31.83	-1.80%
	2003Q2	35.68	41.15	-2.42%	55.41	38.01%		11.99	-83.57%	14	37.88	18.94%
	2003Q3	57.63	67.08	63.01%	101.86	240.50%		2.4	-79.88%	15	61.4	62.18%
	2003Q4	66.36	35.53	-47.03%	66.87	-63.17%		2.35	-2.88%	16	54.67	-11.94%
2004	2004Q1	27.88	58.81	63.52%	64.26	-4.05%		97.29	4040.80%	17	40.21	25.63%
	2004Q2	33.44	45.72	-92.26%	67.86	5.60%		8.54	-91.30%	18	38.34	-4.65%
	2004Q3	62.55	69.73	32.52%	158.27	131.23%		5.31	-37.87%	19	65.41	70.63%
	2004Q4	71.24	29.24	-58.07%	47.24	-95.15%		4.39	-17.33%	20	54.49	-16.88%
2005	2005Q1	27.07	66.78	128.19%	70.35	48.92%		119.58	2673.92%	21	42.9	21.37%
	2005Q2	90.47	63.65	-4.88%	83.8	31.32%		12.52	-89.53%	22	55.72	29.88%
	2005Q3	76.77	88.6	54.93%	283.38	202.09%		4	-68.05%	23	85.48	53.42%
	2005Q4	70.21	48.69	-90.62%	87.26	69.21%		7.02	75.50%	24	61.83	-27.90%
2006	2006Q1	35.93	73.33	54.71%	83.53	-4.21%		128.38	1728.77%	25	51.84	-16.21%
	2006Q2	68.56	89.23	-8.10%	101.59	21.53%		13.94	-89.14%	26	68.83	33.29%
	2006Q3	87.47	106.51	53.85%	309.06	204.22%		3.58	-74.23%	27	95.86	38.12%
	2006Q4	92.32	34.96	-67.18%	61.42	46.13%		3.37	-4.13%	28	69.45	26.94%
2007	2007Q1	57.93	83.64	139.24%	95.24	53.06%		121.23	3497.23%	29	68.28	-1.83%
	2007Q2	112.51	79.67	-4.38%	105.78	11.05%		21.92	-81.92%	30	99.77	-46.33%
	2007Q3	115.9	96.41	20.56%	365.21	156.77%		4.25	-80.63%	31	108.13	8.38%
	2007Q4	102.57	40.6	-57.88%	74.05	-72.08%		4.34	-0.24%	32	77.86	-27.99%
2008	2008Q1	56.57	84.07	107.07%	94.5	27.62%		158.02	3626.89%	33	67.51	-15.27%
	2008Q2	75.7	86.59	3.80%	123.03	30.19%		21.25	-86.55%	34	80.04	18.53%
	2008Q3	106.6	130.81	51.18%	373.95	201.96%		5.49	-74.16%	35	116.3	45.30%
	2008Q4	93.39	56.21	-57.06%	103.67	-72.28%		5.49	0.00%	36	78.56	-32.45%
2009	2009Q1	53.83	88.58	57.59%	85.69	-17.34%		254.36	4533.15%	37	67.69	-13.84%
	2009Q2	67.95	82.98	-6.31%	116.04	35.42%		20.72	-91.85%	38	73.95	9.25%
	2009Q3	154.74	122.58	47.70%	332.77	186.77%		5.70	-72.06%	39	141.92	91.81%
	2009Q4	106.88	66.47	-49.77%	115.51	-64.09%		6.09	4.49%	40	126.83	-10.63%
2010	2010Q1	65.42	90.94	36.81%	85.41	-18.53%		133	8751.24%	41	75.6	-40.29%
	2010Q2	134.07	97.93	7.69%	123.07	44.09%		31.31	-86.48%	42	120.2	58.99%
	2010Q3	177.36	136.02	38.90%	338.27	174.80%		8.58	-72.77%	43	160.88	33.84%
	2010Q4	221.18	64.36	-52.68%	110.83	67.50%		8.81	-4.08%	44	158.05	-1.39%
2011	2011Q1	102.7	129.1	100.68%	115.81	4.68%		488.79	8812.89%	45	113.23	-28.64%
	2011Q2	177.88	117.93	-8.85%	143.27	23.71%		43.01	-89.80%	46	153.07	35.99%
	2011Q3	199.77	199.01	34.83%	385.89	167.90%		11.89	-74.06%	47	147.44	-4.24%
	2011Q4	133.42	64.9	-59.18%	106.46	-72.27%		9.79	-14.05%	48	106.09	-28.05%
2012	2012Q1	68.18	120.88	88.41%	110.12	3.46%		346.72	3441.57%	49	88.03	-17.02%
	2012Q2	133.18	115.71	-6.01%	127.71	25.97%		45.83	-86.84%	50	125.42	42.47%
	2012Q3	124.65	121.87	7.26%	303.58	135.36%		9.09	-86.79%	51	123.58	-1.47%
	2012Q4	100.62	67.5	-44.66%	110.12	-61.36%		8.06	33.67%	52	87.41	-29.27%
2013	2013Q1	58.54	108.01	80.01%	110.73	0.55%		134.3	1318.11%	53	78.36	-10.47%
	2013Q2	119.03	99.09	-8.26%	108.08	-2.39%		39.88	-65.28%	54	111.08	41.94%
	2013Q3	129.9	134.39	35.67%	304.79	182.00%		8.77	-77.96%	55	131.69	18.55%
	2013Q4	120.56	81.29	-54.18%	83.34	-72.66%		11.51	31.24%	56	96.92	-26.40%
2014	2014Q1	86.42	140.55	129.28%	124.3	49.15%		375.39	3163.16%	57	95.97	-0.98%
	2014Q2	147.52	111.02	-21.00%	124.73	0.35%		43.09	-88.53%	58	132.97	38.55%
	2014Q3	165.74	113.32	3.87%	227.49	82.39%		8.86	-79.44%	59	145.64	8.52%
	2014Q4	119.48	64.66	-43.93%	90.2	-56.39%		4.15	-53.18%	60	97.62	-32.87%
2015	2015Q1	65.08	102.89	59.90%	67.75	-31.70%		323.36	7688.89%	61	80.35	-17.89%
	2015Q2	119.15	74.34	-28.10%	75.51	11.45%		27.94	-91.35%	62	101.28	26.05%
	2015Q3	126.61	102.2	37.48%	191.78	153.98%		7.28	-74.27%	63	116.88	15.40%
	2015Q4	101.77	64.62	-36.77%	85.28	-68.62%		11.05	53.89%	64	88.96	25.60%
2016	2016Q1	65.55	111.04	71.84%	81.67	-1.83%		337.29	2952.40%	65	83.89	-3.76%
	2016Q2	107.88	75.7	-31.83%	81.33	-0.42%		24.64	-92.69%	66	94.83	13.43%
	2016Q3	121.31	142.83	88.88%	162.95	100.36%		21.21	-13.92%	67	129.89	36.82%
	2016Q4	105.46	70.43	-50.68%	76.06	-54.50%		16.86	-20.51%	68	91.49	-29.56%
2017	2017Q1	83.84	120.99	71.79%	72.79	-1.71%		474.93	2716.90%	69	86.89	-5.25%
	2017Q2	107.4	113.55	-4.15%	94.74	30.16%		39.42	-87.49%	70	108.86	26.73%
	2017Q3	128.3	187.65	65.26%	227.78	140.43%		28.27	-52.42%	71	150.76	57.23%
	2017Q4	123.31	84.81	-55.34%	97.86	-57.04%		16.62	-81.23%	72	107.96	-28.65%
2018	2018Q1	64.22	157.37	87.77%	105.96	3.28%		607.88	3557.52%	73	101.37	-5.75%
	2018Q2	114.28	111.17	-16.65%	111.64	5.38%		97.56	-88.89%	74	121.08	19.44%
	2018Q3	144.28	174.57	33.09%	355.13	128.51%		20.44	-69.75%	75	156.36	29.24%
	2018Q4	111.14	87.58	-44.10%	108	67.67%		22.35	9.24%	76	105.74	-32.27%
2019	2019Q1	69.09	199.54	83.48%	109.3	1.39%		950.49	2361.04%	77	105.13	-0.58%
	2019Q2	119.3	139.87	-14.84%	118.83	8.52%		68.81	-87.59%	78	125.9	19.76%
	2019Q3	147.73	149.45	9.99%	210.94	77.53%		16.36	-76.27%	79	148.41	17.88%
	2019Q4	113.19	90.76	-39.26%	92.38	-56.21%		15.04	-8.07%	80	104.26	-29.75%
2020	Q1	52.23	127.98	-40.86%	68.92	25.40%		346.97	2206.98%	81	82.44	-20.93%
	Q2	98.03	77.25	-39.64%	56.36	-18.22%		51.5	-85.16%	82	89.74	8.85%
		<b>METALLIC</b>	<b>NON-METALLIC</b>		<b>Oil (also for gas)</b>			<b>OTHER NON-METALLIC (for coal)</b>		<b>MAQ</b>		

CAGR pre-pandemic	2.50%	2.19%		9.40%		-2.83%	1.39%
CAGR post-pandemic	2.26%	1.93%		8.50%		-0.79%	1.54%
AAGR until 2029		13.96%	23.46%		111.04%	780.12%	6.89%
Q2 2019 vs. Q2 2020		-17.83%	-43.14%		-52.57%	-25.16%	-28.72%
	<b>MAQ</b>	<b>Metallic Mining</b>	<b>Non-Metallic Mining</b>	<b>Oil (and Gas)</b>	<b>Coal (other non-metallic)</b>		
CAGR pre-pandemic	2.50%	2.50%	2.19%	9.40%	-2.53%		
CAGR post-pandemic	2.14%	2.16%	1.93%	8.50%	-0.79%		
AAGR until 2029	6.89%	13.96%	23.46%	111.04%	780.12%		
Q2 2019 vs. Q2 2020	-20.72%	-17.83%	-43.14%	-52.57%	-25.16%		



**Cumulative Number of COVID-19 Positive Cases (1 January 2020 - 30 June 2020)**

<b>WORLD</b>	10,457,929
<b>Europe</b>	2,409,237
<b>North America</b>	3,099,966
<b>Oceania</b>	9,477
<b>South America</b>	2,228,423
<b>Africa</b>	388,152
<b>Asia</b>	2,058,031
<b>Rest of the World</b>	264,643

**Cumulative Number of COVID-19 Positive Cases (Philippines, 30 January 2020 - 30 June 2020)**

<b>date</b>	<b>total_cases</b>
2020-01-30	1
2020-01-31	1
2020-02-01	1
2020-02-02	2
2020-02-03	2
2020-02-04	2
2020-02-05	2
2020-02-06	2
2020-02-07	3
2020-02-08	3
2020-02-09	3
2020-02-10	3
2020-02-11	3
2020-02-12	3
2020-02-13	3
2020-02-14	3
2020-02-15	3
2020-02-16	3
2020-02-17	3
2020-02-18	3
2020-02-19	3
2020-02-20	3
2020-02-21	3
2020-02-22	3
2020-02-23	3
2020-02-24	3
2020-02-25	3
2020-02-26	3
2020-02-27	3
2020-02-28	3
2020-02-29	3
2020-03-01	3
2020-03-02	3
2020-03-03	3
2020-03-04	3
2020-03-05	3
2020-03-06	5
2020-03-07	6
2020-03-08	10
2020-03-09	20
2020-03-10	33
2020-03-11	49
2020-03-12	52
2020-03-13	64

2020-03-14	111
2020-03-15	140
2020-03-16	142
2020-03-17	187
2020-03-18	202
2020-03-19	217
2020-03-20	230
2020-03-21	307
2020-03-22	380
2020-03-23	462
2020-03-24	552
2020-03-25	636
2020-03-26	707
2020-03-27	803
2020-03-28	1075
2020-03-29	1418
2020-03-30	1546
2020-03-31	2084
2020-04-01	2311
2020-04-02	2633
2020-04-03	3018
2020-04-04	3094
2020-04-05	3246
2020-04-06	3660
2020-04-07	3764
2020-04-08	3870
2020-04-09	4076
2020-04-10	4195
2020-04-11	4428
2020-04-12	4648
2020-04-13	4932
2020-04-14	5223
2020-04-15	5453
2020-04-16	5660
2020-04-17	5878
2020-04-18	6087
2020-04-19	6259
2020-04-20	6459
2020-04-21	6599
2020-04-22	6710
2020-04-23	6981
2020-04-24	7192
2020-04-25	7294
2020-04-26	7579
2020-04-27	7777
2020-04-28	7958

2020-04-29	8212
2020-04-30	8488
2020-05-01	8772
2020-05-02	8928
2020-05-03	9223
2020-05-04	9485
2020-05-05	9684
2020-05-06	10004
2020-05-07	10343
2020-05-08	10463
2020-05-09	10610
2020-05-10	10794
2020-05-11	11086
2020-05-12	11350
2020-05-13	11618
2020-05-14	11876
2020-05-15	12091
2020-05-16	12305
2020-05-17	12513
2020-05-18	12718
2020-05-19	12942
2020-05-20	13221
2020-05-21	13434
2020-05-22	13597
2020-05-23	13777
2020-05-24	14035
2020-05-25	14319
2020-05-26	14669
2020-05-27	15049
2020-05-28	15588
2020-05-29	16634
2020-05-30	17224
2020-05-31	18086
2020-06-01	18638
2020-06-02	18997
2020-06-03	19748
2020-06-04	20382
2020-06-05	20626
2020-06-06	21340
2020-06-07	21895
2020-06-08	22474
2020-06-09	22992
2020-06-10	23732
2020-06-11	24175
2020-06-12	24787
2020-06-13	25392

2020-06-14	25930
2020-06-15	26420
2020-06-16	26781
2020-06-17	27238
2020-06-18	27799
2020-06-19	28459
2020-06-20	29400
2020-06-21	30052
2020-06-22	30682
2020-06-23	31825
2020-06-24	32295
2020-06-25	33069
2020-06-26	34073
2020-06-27	34803
2020-06-28	35455
2020-06-29	36438
2020-06-30	37514

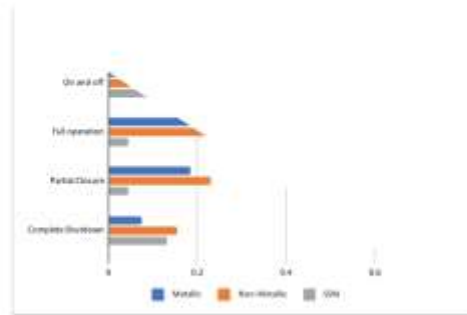
Peri-Pandemic Qualitative Survey (Metallic Mining, Non-Metallic, and SSM)

How did the community quarantine affect your operations?

	Metallic	Non-Metallic	SSM
Complete Shutdown	2	2	3
Partial Closure	5	3	1
Full operation	15	4	1
On and off	5	4	18
	N= 27	13	23*

\*1 had no response

	Metallic	Non-Metallic	SSM
Complete Shutdown	7%	15%	13%
Partial Closure	19%	23%	4%
Full operation	56%	31%	4%
On and off	19%	31%	78%



GDP by Industry (at Current Prices, in million PHP)

	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	2019Q2	2019Q3	2019Q4	2020Q1	2020Q2
Agriculture, Forestry, and Fishing	429,666	406,441	396,871	329,639	421,152	395,969	391,664	513,406	442,836	424,212
Industry	1,275,598	1,381,005	1,283,471	1,642,451	1,373,465	1,427,878	1,336,001	1,748,956	1,309,357	1,134,753
<b>MANUFACTURING</b>	40,944	41,319	40,110	38,530	42,484	45,149	37,032	37,161	33,503	31,869
Services	2,395,275	2,781,346	2,769,870	2,972,958	2,628,334	3,033,414	3,001,344	3,243,814	2,667,101	2,571,588
<b>GROSS DOMESTIC PRODUCT</b>	<b>4,101,138</b>	<b>4,568,792</b>	<b>4,450,213</b>	<b>5,145,048</b>	<b>4,422,951</b>	<b>4,857,262</b>	<b>4,729,028</b>	<b>5,507,177</b>	<b>4,449,293</b>	<b>4,130,553</b>

Commodity Price Indices (2016=100)

Commodity	Crude Oil Crude Oil (petroleum), Price Index, 2016 = 100, simple	Natural Gas Natural Gas Price Index, 2016 = 100, includes European, Japanese, and American Natural Gas Price Indices	Coal Coal Price Index, 2016 = 100, includes Australian and South African Coal	Base Metals Base Metals Price Index, 2016 = 100, includes Aluminum, Cobalt, Copper, Iron Ore, Lead, Molybdenum, Nickel, Tin, Uranium and Zinc Price Indices	Precious Metals Precious Metals Price Index, 2016 = 100, includes Gold, Silver, Palladium and Platinum Price Indices	
Commodity Description	Average of three spot prices: Dated Brent, West Texas Intermediate, and the Dubai Fateh					
Data Type	Index	Index	Index	Index	Index	
2016M1	149.22	149.22	155.09	155.44	136.61	107.90
2016M2	141.91	141.91	142.85	152.57	137.62	107.43
2016M3	143.34	143.34	139.09	146.08	132.47	106.60
2016M4	153.89	153.89	124.49	144.06	133.89	107.17
2016M5	167.08	167.08	132.94	157.78	134.35	104.85
2016M6	165.24	165.24	143.58	167.89	135.31	103.31
2016M7	167.92	167.92	140.46	172.74	126.91	99.58
2016M8	185.28	185.28	149.06	164.69	125.10	96.56
2016M9	174.69	174.69	162.72	163.48	124.52	96.50
2016M10	179.06	179.06	154.85	158.98	127.68	96.20
2016M11	146.29	146.29	161.98	147.78	125.88	98.82
2016M12	126.08	126.08	153.36	150.03	123.09	101.06
2016M1	131.42	131.42	133.18	145.34	124.92	104.84
2016M2	142.53	142.53	111.27	135.11	134.63	107.45
2016M3	148.88	148.88	102.54	128.62	136.34	106.38
2016M4	160.45	160.45	98.21	116.65	130.58	104.85
2016M5	157.12	157.12	91.08	114.94	126.83	104.08
2016M6	139.92	139.92	78.39	104.39	141.34	109.87
2016M7	144.43	144.43	78.89	106.29	147.53	114.48
2016M8	138.17	138.17	73.99	95.41	133.36	120.67
2016M9	142.33	142.33	80.85	94.13	134.73	122.84
2016M10	135.05	135.05	83.54	101.83	152.00	121.84
2016M11	142.60	142.60	96.16	109.96	136.89	120.13
2016M12	148.22	148.22	87.37	114.81	131.21	121.18
2020M1	145.14	145.14	76.92	119.18	153.35	129.02
2020M2	126.53	126.53	81.64	114.74	126.00	132.72
2020M3	76.22	76.22	60.00	101.16	120.11	128.84
2020M4	60.45	60.45	46.70	87.55	115.19	135.15
2020M5	72.25	72.25	43.63	80.47	121.64	137.30
2020M6	82.83	82.83	43.38	81.57	132.11	139.11



Gross Value Added in Mining and Quarrying by Industry, Implicit Price Index

	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	2019Q2	2019Q3	2019Q4	2020Q1	2020Q2
..Mining of coal	76.4	113	234.5	57.3	67.2	75.8	127	37.3	47.9	49.1
..Extraction of crude petroleum and natural gas	129.3	55.4	360.9	133.4	129.9	53.9	145.5	123.5	88.8	29.6
..Mining of gold ores and other precious metals	102.3	100	104.3	93.2	100.2	101.6	129.1	114.8	141.6	160.5
..Mining of nickel ores	129.9	89.1	98.8	103.7	115.5	83.2	111.9	134.9	122.4	88.9
..Mining of copper ores	43.3	194.8	136.6	204.2	41.1	187.4	140.8	209.4	34	155.1
..Stone quarrying, and other mining and quarrying	92.6	106.2	134.3	85.5	101.2	98.7	125.8	89.7	109.4	109
Gross Value Added in Mining and Quarrying	93.2	87.5	134.5	97.1	93.6	79.5	128.1	97.5	93.4	72.6

**Pre-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)**

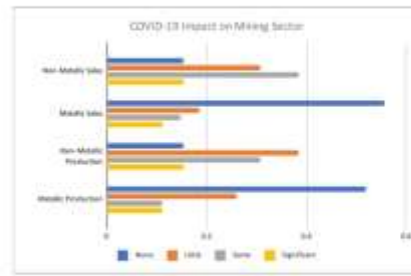
What kind of effect did the pandemic have on you production and sales?

	Metallic Production	Non-Metallic Production	Metallic Sales	Non-Metallic Sales
None	14	2	15	2
Little	7	5	5	4
Some	3	4	4	5
Significant	1	2	3	2

N(metallic)= 27

N(non-metallic)= 13

	Metallic Production	Non-Metallic Production	Metallic Sales	Non-Metallic Sales
None	52%	15%	56%	15%
Little	26%	38%	19%	31%
Some	11%	31%	15%	38%
Significant	11%	15%	11%	15%



**Exports of Goods (2018=100, in million PHP)**

		<b>% Change</b>	<b>N=</b>
<b>2000</b>	1,451,002		<b>1</b>
<b>2001</b>	1,308,672	-9.81%	<b>2</b>
<b>2002</b>	1,309,836	0.09%	<b>3</b>
<b>2003</b>	1,421,459	8.52%	<b>4</b>
<b>2004</b>	1,461,013	2.78%	<b>5</b>
<b>2005</b>	1,482,008	1.44%	<b>6</b>
<b>2006</b>	1,613,205	8.85%	<b>7</b>
<b>2007</b>	1,652,055	2.41%	<b>8</b>
<b>2008</b>	1,647,293	-0.29%	<b>9</b>
<b>2009</b>	1,481,405	-10.07%	<b>10</b>
<b>2010</b>	1,769,189	19.43%	<b>11</b>
<b>2011</b>	1,697,601	-4.05%	<b>12</b>
<b>2012</b>	1,901,720	12.02%	<b>13</b>
<b>2013</b>	1,817,413	-4.43%	<b>14</b>
<b>2014</b>	2,058,273	13.25%	<b>15</b>
<b>2015</b>	2,132,561	3.61%	<b>16</b>
<b>2016</b>	2,307,014	8.18%	<b>17</b>
<b>2017</b>	2,725,527	18.14%	<b>18</b>
<b>2018</b>	3,081,897	13.08%	<b>19</b>
<b>2019</b>	3,116,492	1.12%	<b>20</b>
<b>2020</b>	2,849,277	-8.57%	<b>-9.70% 21</b>
<b>AAGR till 2019</b>	<b>4.44%</b>		
<b>CAGR till 2019</b>	<b>3.90%</b>		
<b>CAGR till 2020</b>	<b>3.27%</b>		

**Exports of Goods (FOB in million USD)**

		<b>% Change</b>
<b>Jan-Mar 2018</b>	16,906,391,406	
<b>Jan-Mar 2019</b>	16,575,519,078	-1.96%
<b>Jan-Mar 2020</b>	15,732,240,646	-5.09%
<b>Apr-May 2018</b>	17,490,354,081	
<b>Apr-May 2019</b>	18,001,746,366	2.92%
<b>Apr-May 2020</b>	12,748,891,537	-29.18%

Top 20 Export Destinations (FOB in '000 USD) and 2020 COVID-19 Statistics

Export Rank		2019	2020	No. of Cumulative COVID-19 Positive Cases
1	Japan	10,674,916.70	9,897,221.05	217,312
2	USA	11,566,730.41	9,707,281.12	18,648,989
3	China	9,814,427.52	9,593,520.57	96,324
4	Hong Kong	9,624,897.42	9,092,588.24	96,324
5	Singapore	3,831,791.66	3,757,420.27	58,519
6	Thailand	2,972,480.23	2,881,970.99	6,020
7	South Korea	3,240,829.68	2,525,504.52	56,872
8	Germany	2,723,243.71	2,366,952.58	1,640,858
9	Taiwan	2,253,461.47	2,055,625.03	96,324
10	Netherlands	2,266,052.62	1,892,671.32	754,171
11	Malaysia	1,825,274.25	1,742,801.31	103,900
12	Vietnam	1,269,635.64	1,272,467.54	1,440
13	India	545,445.46	547,982.78	10,187,850
14	Mexico	672,266.38	545,240.90	1,372,243
15	France	801,573.88	472,117.93	2,507,532
16	Indonesia	829,016.23	453,439.80	706,837
17	Switzerland	417,289.15	450,295.52	426,199
18	UK	506,037.44	404,575.66	2,256,009
19	Canada	621,071.60	390,125.46	539,298
20	Australia	398,099.78	356,937.18	28,296
	<b>TOTAL</b>	<b>66,854,541.22</b>	<b>60,406,739.75</b>	
		<b>% Change</b>	<b>-9.64%</b>	

**MAQ Exports (FOB in million USD)**

	<b>2019</b>	<b>2020</b>	<b>% Change</b>
<b>Copper Concentrates</b>	552,577.44	159,175.98	-71.19%
<b>Copper Metal</b>	1,252,814.61	1,434,415.47	14.50%
<b>Gold</b>	900,620.83	874,418.51	-2.91%
<b>Iron Ore Agglomerates</b>	14,264.63	153,714.21	977.59%
<b>Chromium Ore</b>	7,673.97	6,678.75	-12.97%
<b>Other Mineral Products</b>	1,947,034.67	2,353,943.38	20.90%
<b>Petroleum Products</b>	225,567.86	177,501.24	-21.31%
<b>Nickel</b>	97.00	n.a.	
<b>TOTAL</b>	<b>4,900,650.99</b>	<b>5,159,847.53</b>	<b>5.29%</b>

Quarterly Indices on Compensation per Employee at Constant Prices (2016=100)

	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	2019Q2	2019Q3	2019Q4	2020Q1	2020Q2
<b>Total MAQ</b>	87.20	61.05	133.07	204.06	90.10	62.27	137.59	209.36	86.18	58.56
<b>Total Metallic</b>	63.73	109.86	93.95	159.32	63.87	114.85	97.32	172.14	62.18	102.49
<b>Total Non-Metallic (including coal)</b>	214.71	39.98	581.79	343.79	226.62	40.15	579.19	334.74	229.24	37.85
<b>Crude Oil (for oil and gas)</b>	122.48	120.83	52.78	83.25	143.62	126.66	50.71	76.05	128.24	119.45

**Peri-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)**

**How has the pandemic negatively affected your activities?**

	<b>Metallic</b>	<b>Non-Metallic</b>
Lesser transparency/reporting	4	1
Delay in exploration/development plans	13	6
Cancelled exploration/development plans	1	1
One or more projects got suspended	4	7
One or more projects got shelved	4	1
Fewer benefits for workers	4	2
Decrease in exports	6	1
<b>N=</b>	<b>27</b>	<b>13</b>

	<b>Metallic</b>	<b>Non-Metallic</b>
Lesser transparency/reporting	15%	8%
Delay in exploration/development plans	48%	46%
Cancelled exploration/development plans	4%	8%
One or more projects got suspended	15%	54%
One or more projects got shelved	15%	8%
Fewer benefits for workers	15%	15%
Decrease in exports	22%	8%

Qualitative Survey on Transparency and Reporting (PH-EITI)

Number of Entities that Reported ... the Deadline

	Oil and Gas Companies	Metallic Mining Projects	Non-Metallic Mining Projects	Government Departments/Agencies
Before	2	27	11	2
On	1	1	7	6
Past	0	11	7	0
Did Not Report	2	11	3	1
N=	5	50	28	9



**Ex-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)**

**In terms of modern technology, which among the following have you ALREADY INVESTED in?**

	<b>Metallic</b>	<b>Non-Metallic</b>
<b>Automation</b>	6	4
<b>Artificial Intelligence</b>	1	4
<b>Wearables</b>	3	2
<b>Digital Twin</b>	3	4
<b>Internet of Things</b>	11	5
<b>N=</b>	<b>26</b>	<b>12</b>

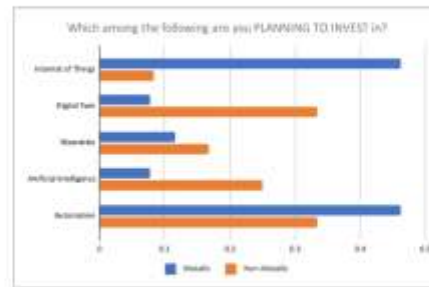
	<b>Metallic</b>	<b>Non-Metallic</b>
<b>Automation</b>	23%	33%
<b>Artificial Intelligence</b>	4%	33%
<b>Wearables</b>	12%	17%
<b>Digital Twin</b>	12%	33%
<b>Internet of Things</b>	42%	42%

Ex-Posteriori Qualitative Survey (Metallic and Non-Metallic Mining)

In terms of modern technology, which among the following are you **PLANNING TO INVEST** in?

	Metallic	Non-Metallic
Automation	12	4
Artificial Intelligence	2	1
Wearables	3	2
Digital Twin	2	4
Internet of Things	12	1
<b>N=</b>	<b>26</b>	<b>12</b>

	Metallic	Non-Metallic
Automation	46%	33%
Artificial Intelligence	8%	25%
Wearables	12%	17%
Digital Twin	8%	33%
Internet of Things	46%	8%



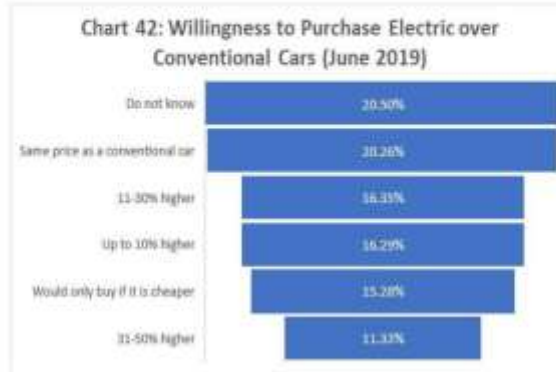
**Share of Renewable Energy\* in the Power Mix vis-à-vis Other Sources**

2000	44.31%
2001	38.65%
2002	36.98%
2003	34.76%
2004	35.02%
2005	33.63%
2006	37.35%
2007	32.85%
2008	35.21%
2009	33.85%
2010	27.44%
2011	29.87%
2012	29.64%
2013	27.56%
2014	26.75%
2015	26.54%
2016	25.29%
2017	25.66%
2018	23.98%
2019	21.34%

\*includes solar, wind, and other renewables

**Willingness to Purchase Electric over Conventional Cars (June 2019)**

Do not know	20.50%
Same price as a conventional car	20.26%
11-30% higher	16.35%
Up to 10% higher	16.29%
Would only buy if it is cheaper	15.28%
31-50% higher	11.33%



**2019 Total Energy Primary Supply Mix (in MTOE)**

<b>Net Imported Biofuels</b>	24.04
<b>Net Imported Coal</b>	1021.7
<b>Net Imported Oil</b>	1875.12
<b>Oil</b>	54.09
<b>Coal</b>	727.21
<b>Natural Gas</b>	360.6
<b>Geothermal</b>	919.53
<b>Hydro</b>	198.33
<b>Biomass</b>	775.29
<b>Biofuels</b>	36.06
<b>Wind/Solar</b>	18.03

Sources of Electricity

	Coal	Gas	Hydro	Solar	Wind	Oil	Other Renewables	No
2000	18%	22%	18%	0%	0%	15%	27%	1
2001	23%	23%	16%	0%	0%	16%	22%	2
2002	25%	22%	15%	0%	0%	16%	22%	3
2003	26%	22%	15%	0%	0%	16%	19%	4
2004	26%	23%	16%	0%	0%	16%	19%	5
2005	31%	21%	15%	0%	0%	15%	18%	6
2006	29%	19%	18%	0%	0%	14%	19%	7
2007	32%	20%	15%	0%	0%	14%	18%	8
2008	34%	18%	17%	0%	0%	13%	18%	9
2009	35%	18%	16%	0%	0%	13%	17%	10
2010	38%	20%	12%	0%	0%	14%	15%	11
2011	37%	19%	15%	0%	0%	14%	15%	12
2012	37%	19%	15%	0%	0%	14%	15%	13
2013	38%	20%	14%	0%	0%	14%	14%	14
2014	41%	19%	12%	0%	0%	13%	14%	15
2015	41%	19%	11%	0%	1%	14%	15%	16
2016	41%	20%	9%	1%	1%	14%	14%	17
2017	43%	19%	11%	1%	1%	12%	13%	18
2018	46%	19%	10%	1%	1%	11%	12%	19
2019	46%	19%	8%	1%	1%	11%	11%	20
<b>AAGR</b>	<b>34.55%</b>	<b>20.20%</b>	<b>13.82%</b>			<b>13.92%</b>	<b>16.92%</b>	
<b>CAGR</b>	<b>4.93%</b>	<b>-0.72%</b>	<b>-3.94%</b>			<b>-1.49%</b>	<b>-4.26%</b>	



**Projected Energy Demand by 2040 (in MTOE) and 23-Year AAGR**

	Transport	Household	Industry	Services	Agriculture
Oil Products	34.48	3.35	8.13	4.75	0.79
Electricity	0.3	10	9.69	8.58	0.97
Oil Products (AAGR)	5%	5%	8%	4%	6%
Electricity (AAGR)	17%	7%	7%	7%	7%

D-Pandemic Qualitative Survey (Metallic, Non-Metallic Mining, and SSM)

Which aspect(s) of NEW/ADDITIONAL government intervention/regulation will adversely affect your bottom line?

	Metallic	Non-Metallic	SSM
Environmental Concerns	9	3	13
Indigenous People's Rights	8	1	18
Workers' health and safety	2	1	10
Employment terms and compensation	5	1	18
Licensing and contract negotiations	13	8	14
Foreign ownership	1	0	0
Continued tariffs on imports	0	1	0
<b>N=</b>	<b>26</b>	<b>12</b>	<b>24</b>

	Metallic	Non-Metallic	SSM
Environmental Concerns	35%	25%	79%
Indigenous People's Rights	23%	8%	75%
Workers' health and safety	8%	8%	79%
Employment terms and compensation	19%	8%	75%
Licensing and contract negotiations	42%	25%	58%
Foreign ownership	4%	0%	0%
Continued tariffs on imports	0%	8%	0%





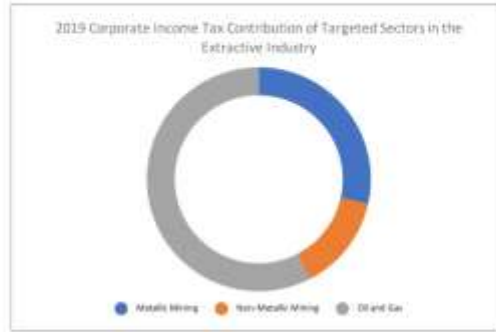
Impact of EO 130 on Mining Statistics

2020 Figures		Output per each of the existing 309 mining permits/companies	
Production	132.69 billion PHP		0.4294 billion PHP
Export	5.20 billion USD		0.0168 billion USD
GVA	102.30 billion PHP		0.3311 billion PHP
Taxes and Fees Paid	25.52 billion PHP		0.0826 billion PHP
Employment	184 thousand		0.5955 thousand
Output from the initial 35/100 projects to be approved		Output with the remaining 65 projects in the pipeline	
Production	15.03 billion PHP		42.94 billion PHP
Export	0.59 billion USD		1.68 billion USD
GVA	11.59 billion PHP		33.11 billion PHP
Taxes and Fees Paid	2.89 billion PHP		8.26 billion PHP
Employment	20.84 thousand		59.55 thousand
2020 Figures		Short-Term Growth	Long-Run Projection
Production	132.69 billion PHP	147.72 billion PHP	175.63 billion PHP
Export	5.20 billion USD	5.79 billion USD	6.88 billion USD
GVA	102.30 billion PHP	113.89 billion PHP	135.41 billion PHP
Taxes and Fees Paid	25.52 billion PHP	28.41 billion PHP	33.78 billion PHP
Employment	184 thousand	204.84 thousand	243.55 thousand

Corporate Income Tax Contributions of Targeted Companies\* in 2019

		Target Number
Metallic Mining	3,270,800,906	52
Non-Metallic Mining	1,590,317,466	23
Oil and Gas	6,601,214,931	5
Extractive Industry	11,462,333,303	

\*that reported



Forecasted Export Value of Gold with COVID-19 Recovery and EO 138

USD Price of Gold per Ounce				BSP Non-Ministerial Gold Exports (in million USD)			
Year	Price	% Change	No.	Year	Exports	% Change	No.
2005	444.89		1	2005	78.53		1
2006	604.34	36.31%	2	2006	771.91	256%	2
2007	896.41	48.14%	3	2007	304.94	-59%	3
2008	822.27	-8.26%	4	2008	437.60	43%	4
2009	879.66	6.96%	5	2009	228.13	-46%	5
2010	1,326.66	50.59%	6	2010	387.43	74%	6
2011	1,571.16	18.37%	7	2011	438.00	13%	7
2012	1,668.86	6.26%	8	2012	471.87	8%	8
2013	1,409.51	-15.54%	9	2013	312.37	-34%	9
2014	1,248.88	-11.39%	10	2014	251.98	-19%	10
2015	1,158.86	-7.21%	11	2015	333.18	32%	11
2016	1,231.81	6.30%	12	2016	522.25	57%	12
2017	1,266.59	2.82%	13	2017	688.82	32%	13
2018	1,268.93	0.18%	14	2018	1,153.23	67%	14
2019	1,393.34	9.88%	15	2019	1,394.34	21%	15
2020	1,773.73	27.33%	16	2020	1,225.06	-12%	16
AAGR (2005-2020)		10.70%		AAGR (2005-2020)		33.12%	
CAGR (2005-2020)		8.63%		CAGR (2005-2020)		23.56%	

Forecasted Gold Export Production (in kilotons)

Year	Current Pipeline		Additional Exports with EO 138		+22	Total Gold Exports (in kilotons)			
	Short-Term Growth (in AAGR)	Long-Run Projection (in CAGR)	Short-Term Growth (in AAGR)	Long-Run Projection (in CAGR)		Short-Term Growth	Long-Run Projection	Short-Term Growth	Long-Run Projection
2020	21,552.77	15,581.77			21,552.77	21,552.77	892,921.45	892,921.45	
2021	30,025.75	15,787.75	15,074.36	15,874.74	45,700.49	41,442.45	1,468,270.73	1,332,228.18	
2022	41,818.80	16,007.02	15,836.91	16,748.18	63,664.60	49,547.24	2,846,881.26	1,500,943.66	
2023	56,774.89	16,241.26	16,621.60	17,691.13	86,697.69	65,236.99	4,811,568.71	1,804,969.27	
2024	74,888.92				114,717.69	86,752.14	6,718,938.77	2,118,938.77	
2025	97,645.66				144,800.72	117,867.50	9,778,250.23	2,778,250.23	
2026	126,942.53				191,667.45	149,440.08	14,515,146.11	4,515,146.11	
2027	167,551.97				255,023.12	187,865.29	21,398,155.14	6,398,155.14	

Forecasted Price of Gold (in USD)

Year	Short-Term Growth (in AAGR)		Long-Run Projection (in CAGR)		Forecasted Export Value of Gold (in million USD)		
	Short-Term Growth	Long-Run Projection	Short-Term Growth	Long-Run Projection	Short-Term	Long-Run	
2020	1,773.73				2020	1,229.08	1,229.08
2021	1,963.97	1,991.48			2021	2,895.01	2,576.03
2022	2,173.71	2,188.41			2022	4,448.35	3,794.58
2023	2,406.37	2,198.79			2023	6,811.68	4,377.86
2024		2,106.28			2024		3,616.74
2025		2,737.47			2025		10,518.58
2026		2,575.15			2026		13,451.19
2027		3,146.05			2027		15,133.47

EO 138 Data

Total Non-Ministerial Gold Exports	1.1	million USD
Price of Gold per Ounce (USD)	1,773.73	
	892,921.45	ounces of gold reported
	1.16ton	82.15 metric tons
	<b>21,552.77</b>	<b>kilotons of gold reported</b>
Number of Metallic Mines*	58	
Number of Gold Mines**	11	
	<b>23%</b>	<b>Share of Gold Mines in Total Metallic Mines</b>
	<b>1,898.84</b>	<b>ounces of gold reported per mine</b>
	<b>62,692.86</b>	<b>ounces of gold reported per mine</b>
Number of Initial Mines to be Approved**	8	
	<b>8</b>	<b>of these initial mines are deemed to be gold</b>
	<b>33,674.24</b>	<b>kilotons of additional exports</b>
Remaining Number of Mines in the Pipeline**	60	
	<b>14</b>	<b>of these remaining mines are deemed to be gold</b>
	<b>38,014.40</b>	<b>kilotons of additional exports</b>
	<b>32</b>	<b>projected new gold mines</b>
		<b>mines with EO 138</b>

Forecasted Export Value of Nickel with EV Market Growth and ED 103

Year	Nickel		Peso-Dollar E/R	Export Value of Nickel (\$USD)		% Share
	Production Volume (MT)	Production Value (PVR)		Production Value (USD)	Nickel (\$USD)	
2013	376,285	30,751,745.039	42.4462	725,015,532.29	14,118,899	-1.05%
2014	409,131	59,766,217.881	44.3852	1,346,301,356.48	326,109,652	23.78%
2015	422,244	36,266,746.527	45.5028	753,057,077.25	326,103,715	43.70%
2016	347,835	23,717,209.173	47.4925	499,390,412.85	295,271,873	51.14%
2017	556,517	20,648,501.058	50.4057	469,071,659.28	444,807,488	90.86%
2018	344,969	28,879,965.388	52.6618	548,406,183.52	274,944,607	68.37%
2019	323,525	31,791,588.409	52.7958	613,767,014.55	352,720,469	61.98%
2020	353,862	38,818,100.139	49.6241	765,068,116.40	448,121,775	58.57%

AAGR (2014-2019)= 54.97%  
 \*or nickel metal, nickel oxide slabs, and other intermediate products of nickel metallurgy (USD)  
 \*\*ignored in the computation of AAGR given that the value is negligible

Year	Export Value of Nickel Metal, etc.* (USD)	% Change	N <sup>o</sup>
2014	103,109,012		1
2015	326,103,715	2.91%	2
2016	326,371,073	-2.40%	3
2017	444,307,448	73.99%	4
2018	374,948,667	-15.91%	5
2019	392,720,469	4.74%	6
2020	440,121,775	13.60%	7

AAGR (2014-2019)= 0.52%  
 CAGR (2014-2019)= 4.86%

2020 Data	
Total Nickel* Exports=	446.12 million USD
Number of Metallic Mines**=	50
Number of Nickel Mines**=	39
**From MGB	
58% Share of Gold Mines in Total Metallic Mines	
15.36 million USD worth of exports per nickel mine	
Number of Initial Mines to be Approved***=	35
30 of these initial mines are deemed to be nickel	
397.67 million USD worth of additional exports	
Remaining Number of Mines in the Pipeline***=	15
18 of these remaining mines are deemed to be gold	
584.57 million USD worth of additional exports	

Forecasted Nickel Export Production (in USD million)

Year	Current Portfolio		Additional Exports with ED 136		+28	Total Nickel Exports	
	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)	Short-Term (x AAGR)	Long-Run (x CAGR)		Short-Term Growth	Long-Run Projection
2020	446.12	446.12				446.12	446.12
2021	488.58	487.79	307.67	307.67		796.25	775.46
2022	535.10	490.50	588.88	522.83		872.06	815.11
2023	586.04	514.32	589.04	318.28		925.00	852.80
2024		531.30			339.28		1,478.57
2025		565.43			584.89		1,550.38
2026		582.85			1,032.72		1,825.66
2027		621.74			1,082.87		1,794.61

**Global EV Market Value and Philippine Nickel Exports Forecasts**

	Global EV Market Value Value (in USD billion)	Share of Philippine Nickel Exports	
		Short-Term	Long-Term
<b>2020</b>	231.57	0.1927%	0.1927%
<b>2021</b>	276.58	0.2935%	0.2859%
<b>2022</b>	330.33	0.2691%	0.2510%
<b>2023</b>	394.53	0.2468%	0.2204%
<b>2024</b>	471.21		0.3143%
<b>2025</b>	562.79		0.2759%
<b>2026</b>	672.17		0.2422%
<b>2027</b>	802.81		0.2127%

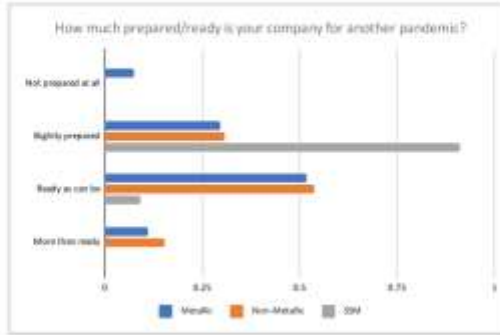
Peri-Pandemic Qualitative Survey

How much prepared/ready is your company for another pandemic?

	Metallic	Non-Metallic	SSM
More than ready	3	2	0
Ready as can be	14	7	2
Slightly prepared	8	4	20
Not prepared at all	2	0	0
	N= 27	13	22*

\*no response=2

	Metallic	Non-Metallic	SSM
More than ready	11%	15%	0%
Ready as can be	52%	54%	9%
Slightly prepared	30%	31%	91%
Not prepared at all	7%	0%	0%

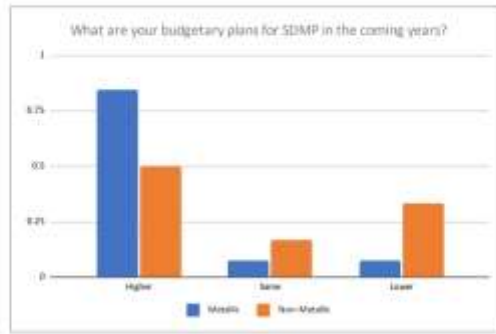


Ex-Pandemic Qualitative Survey (Metallic and Non-Metalling Mining)

What are your budgetary plans for SDMP in the coming years?

	Metallic	Non-Metallic
Higher	22	6
Same	2	2
Lower	2	4
<b>N=</b>	<b>26</b>	<b>12</b>

	Metallic	Non-Metallic
Higher	85%	50%
Same	8%	17%
Lower	8%	33%



MAQ vis-à-vis GDP (in million PHP)

	2013	2014	2015	2016	2017	2018	2019
Mining and Quarrying (MAQ)	126,453	143,880	119,626	125,898	148,094	163,322	161,656
Gross Domestic Product (GDP)	12,050,592	13,206,828	13,944,157	15,132,381	16,556,651	18,265,190	19,517,863
Share of MAQ to GDP	1.05%	1.09%	0.86%	0.83%	0.89%	0.89%	0.83%
<b>Annual % Changes</b>							
MAQ		13.78%	-16.86%	5.24%	17.63%	10.28%	-1.02%
GDP		9.59%	5.58%	8.52%	9.41%	10.32%	6.86%
<b>Average Annual Growth Rate (AAGR)</b>							
MAQ=	4.84%						
GDP=	8.38%						
<b>Compounded Annual Growth Rate (CAGR)</b>							
MAQ=	3.57%						
GDP=	7.13%						
N= 7							



2019 Gross Value Added in Mining and Quarrying, by Industry (at Current Prices, in million PHP)

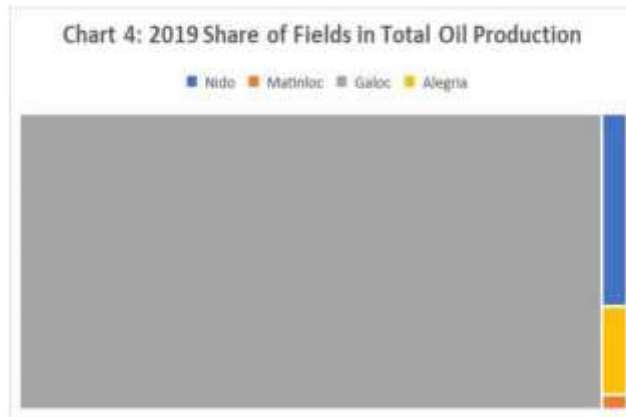
		% Share		
..Mining of coal	16,931	10.47%	<b>Coal</b>	10.47%
..Extraction of crude petroleum and natural gas	37,303	23.08%	<b>Oil and Gas</b>	23.08%
..Mining of precious metal ores	26,870	16.62%	<b>Metallic Mining</b>	35.35%
..Mining of nickel ores	20,040	12.40%		
..Mining of copper ores	10,228	6.33%		
..Stone quarrying, and other mining and quarrying	50,284	31.11%	<b>Non-Metallic Mining</b>	31.11%
<b>Gross Value Added in Mining and Quarrying</b>	<b>161,656</b>			

**Number of Employed Persons by Total Hours Worked: July 2019**

		% Share
<b>Philippines</b>	42,951,883	
<b>MAQ</b>	210,961	0.49%
<b>Hours Worked</b>		
Did not work	4,480	2.12%
Under 20	14,345	6.95%
20-29	18,004	8.72%
30-39	18,802	9.11%
40 and over	155,330	75.23%
<b>Total Working</b>	206,481	

2019 Oil Production (in barrels)

		% Share
Nido	20,634	2.66%
Matinloc	1,542	0.20%
Galoc	744,449	95.92%
Alegria	9,468	1.22%
	776,093	



2019 Philippine Exports by Commodity Group (GRT+Gross Register Tonnage)

Petroleum Products

Rank		Gross Kilo	% Share		
1	Singapore	224,444,387	40.964549%	Singapore	224,444,387
2	Malaysia	206,609,773	38.263787%	Malaysia	206,609,773
3	People's Republic of China	77,880,962	14.218170%	China	77,880,962
4	Republic of Korea	15,031,037	2.738442%	South Korea	15,031,037
5	Vietnam	995,304	0.18286%	Others	875,812
6	Cambodia (Democratic Kampuchea)	140,215	0.025609%		
7	United States of America	60,330	0.011039%		
8	Taiwan (Rep. of China)	35,068	0.006400%		
9	Brunei Darussalam	11,476	0.002095%		
10	Australia	11,304	0.002063%		
11	France	9,504	0.001735%		
12	Thailand	6,728	0.001238%		
13	Indonesia	6,650	0.001214%		
14	Papua New Guinea	800	0.000152%		
15	Canada	3	0.000001%		
		547,803,091			

PH

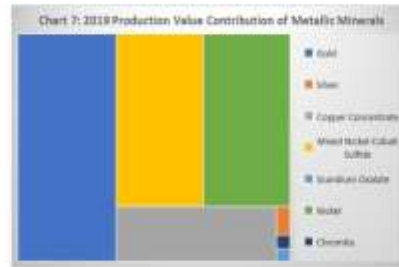
**2019 Philippine Exports by Commodity Group (FOB in USD)**

**Coal**

<b>Rank</b>			<b>% Share</b>
1	<b>China</b>	437,973,547	95.10%
2	<b>Thailand</b>	15,170,000	3.29%
3	<b>Taiwan</b>	5,057,500	1.10%
4	<b>India</b>	2,300,000	0.50%
5	<b>South Korea</b>	50,653	0.01%
		460,551,700	

2019 Production Value Contribution of Metallic Minerals (in PHP)

		% Share
Gold	47,317,070,332	36.22%
Silver	827,269,356	0.63%
Copper Concentrate	18,456,762,112	14.21%
Mixed Nickel-Cobalt Sulfide	11,700,955,981	9.00%
Scandium Oxalate	358,356,578	0.27%
Nickel	31,651,009,469	24.25%
Chromite	390,568,251	0.30%
	130,743,490,059	
<b>Total Mining</b>	<b>130,000,000,000</b>	
<b>Metallics</b>	<b>131,320,050,000</b>	<b>9.67%</b>



Commodity	Gold	Copper	Nickel	Cobalt		
Commodity Description	Gold, Fixing Committee of the London Bullion Market Association, London 3 PM fixed price, US\$ per troy ounce	Copper, grade A cathode, LME spot price, CIF European ports, US\$ per metric ton	Nickel, melting grade, LME spot price, CIF European ports, US\$ per metric ton	Cobalt, U.S. cathodes, spot		
Data Type	USD	USD	USD	USD		
Frequency	Monthly	Monthly	Monthly	Monthly		
	N=			N=		
1980M1	1	674.37	2,592.63	6,584.80		
1980M2	2	665.29	2,916.71	6,978.93		
1980M3	3	553.58	2,303.83	6,733.79		
1980M4	4	517.41	2,074.66	6,233.37		
1980M5	5	513.79	2,076.75	6,000.77		
1980M6	6	600.72	2,006.20	6,294.63		
1980M7	7	644.28	2,175.96	6,622.17		
1980M8	8	627.15	2,081.16	6,584.51		
1980M9	9	673.63	2,099.11	6,655.36		
1980M10	10	661.31	2,045.89	6,691.95		
1980M11	11	624.77	2,010.61	6,452.67		
1980M12	12	538.26	1,878.34	6,390.91	1	18,160.00
1981M1	13	557.39	1,876.13	6,403.77	2	18,160.00
1981M2	14	499.76	1,803.38	6,370.75	3	17,850.00
1981M3	15	499.11	1,816.61	6,292.43	4	18,250.00
1981M4	16	495.80	1,823.22	6,307.06	5	17,690.00
1981M5	17	479.70	1,746.06	6,352.16	6	16,330.00
1981M6	18	461.09	1,699.76	6,189.46	7	14,280.00
1981M7	19	409.07	1,662.12	6,150.34	8	12,250.00
1981M8	20	410.16	1,787.95	5,999.12	9	10,510.00
1981M9	21	443.75	1,706.38	5,579.06	10	9,690.00
1981M10	22	437.76	1,664.49	5,216.71	11	10,770.00
1981M11	23	413.37	1,651.26	5,100.25	12	12,680.00
1981M12	24	410.09	1,655.67	5,496.03	13	11,410.00
1982M1	25	384.14	1,613.78	5,628.90	14	11,410.00
1982M2	26	374.13	1,596.14	5,716.76	15	10,330.00
1982M3	27	330.25	1,512.37	5,653.36	16	9,890.00
1982M4	28	350.30	1,521.19	5,394.05	17	9,460.00
1982M5	29	333.71	1,530.01	5,211.84	18	8,650.00
1982M6	30	314.98	1,309.54	5,186.70	19	7,960.00
1982M7	31	339.97	1,439.62	5,068.58	20	7,070.00
1982M8	32	364.23	1,450.64	4,953.03	21	5,000.00
1982M9	33	437.31	1,424.18	4,310.30	22	4,650.00
1982M10	34	422.15	1,463.87	3,916.51	23	4,730.00
1982M11	35	414.69	1,444.03	3,433.66	24	4,970.00
1982M12	36	444.50	1,474.89	3,576.27	25	5,360.00
1983M1	37	481.29	1,574.10	3,796.96	26	5,810.00
1983M2	38	491.09	1,649.06	4,228.20	27	6,400.00
1983M3	39	419.70	1,598.35	4,831.77	28	6,130.00
1983M4	40	432.88	1,675.51	4,817.79	29	5,930.00
1983M5	41	438.01	1,765.90	5,031.53	30	5,670.00
1983M6	42	412.64	1,701.97	4,883.16	31	5,790.00
1983M7	43	402.91	1,704.17	4,804.04	32	5,780.00
1983M8	44	416.24	1,640.24	4,852.76	33	5,670.00
1983M9	45	411.46	1,560.87	4,910.52	34	5,530.00
1983M10	46	393.21	1,435.21	4,674.15	35	5,850.00
1983M11	47	381.88	1,388.91	4,585.17	36	6,590.00
1983M12	48	388.34	1,415.37	4,657.00	37	6,950.00
1984M1	49	370.89	1,375.68	4,670.48	38	10,740.00
1984M2	50	385.96	1,428.59	4,639.91	39	11,280.00
1984M3	51	394.26	1,501.35	4,780.83	40	11,020.00
1984M4	52	381.37	1,532.21	4,911.41	41	11,190.00

1984M5	53	377.40	1,419.78	4,811.42	42	10,780.00
1984M6	54	377.67	1,364.66	4,773.23	43	11,080.00
1984M7	55	346.72	1,331.59	4,640.16	44	11,010.00
1984M8	56	347.68	1,338.20	4,736.07	45	11,040.00
1984M9	57	340.91	1,294.11	4,705.54	46	11,560.00
1984M10	58	340.17	1,272.07	4,750.29	47	11,530.00
1984M11	59	341.14	1,344.82	4,748.40	48	11,440.00
1984M12	60	320.16	1,320.57	4,858.98	49	11,520.00
1985M1	61	302.58	1,358.05	4,947.17	50	11,570.00
1985M2	62	298.82	1,388.91	5,050.79	51	11,610.00
1985M3	63	303.94	1,389.35	5,211.72	52	11,570.00
1985M4	64	325.27	1,501.35	5,489.50	53	11,530.00
1985M5	65	316.37	1,530.01	5,604.14	54	11,480.00
1985M6	66	316.49	1,433.00	5,553.44	55	11,450.00
1985M7	67	317.22	1,474.89	5,090.47	56	11,320.00
1985M8	68	329.88	1,419.78	4,907.48	57	11,320.00
1985M9	69	322.78	1,366.86	4,570.18	58	11,250.00
1985M10	70	325.84	1,384.50	4,239.48	59	11,150.00
1985M11	71	325.24	1,369.07	4,034.45	60	10,970.00
1985M12	72	321.72	1,391.12	4,089.57	61	10,630.00
1986M1	73	345.38	1,417.57	4,034.45	62	10,240.00
1986M2	74	339.20	1,404.34	3,988.16	63	9,730.00
1986M3	75	345.70	1,444.03	4,135.87	64	8,720.00
1986M4	76	340.44	1,433.00	4,085.16	65	8,890.00
1986M5	77	342.38	1,417.57	4,043.27	66	5,000.00
1986M6	78	342.72	1,413.16	4,087.37	67	3,980.00
1986M7	79	348.77	1,344.82	3,911.00	68	5,660.00
1986M8	80	376.60	1,302.93	3,807.38	69	5,750.00
1986M9	81	418.97	1,309.54	3,723.60	70	5,650.00
1986M10	82	423.53	1,316.18	3,644.24	71	6,380.00
1986M11	83	397.55	1,302.93	3,642.03	72	6,290.00
1986M12	84	390.92	1,331.59	3,562.67	73	6,290.00
1987M1	85	408.26	1,344.82	3,525.19	74	6,280.00
1987M2	86	401.12	1,380.09	3,716.99	75	6,230.00
1987M3	87	408.91	1,463.87	3,772.10	76	6,290.00
1987M4	88	436.35	1,483.71	3,897.77	77	6,630.00
1987M5	89	460.83	1,518.98	4,435.70	78	6,880.00
1987M6	90	449.59	1,571.89	4,435.70	79	6,620.00
1987M7	91	450.52	1,693.15	4,753.16	80	6,810.00
1987M8	92	461.15	1,754.88	5,306.52	81	6,780.00
1987M9	93	480.35	1,809.99	5,332.98	82	6,870.00
1987M10	94	465.36	1,966.62	5,682.33	83	6,560.00
1987M11	95	467.57	2,519.88	5,937.04	84	6,670.00
1987M12	96	486.24	2,866.01	7,661.05	85	7,050.00
1988M1	97	476.58	2,660.98	8,073.32	86	6,980.00
1988M2	98	442.87	2,328.08	8,666.36	87	6,880.00
1988M3	99	443.35	2,358.94	15,496.27	88	7,030.00
1988M4	100	451.55	2,283.99	18,011.75	89	7,030.00
1988M5	101	451.07	2,442.72	17,024.08	90	7,030.00
1988M6	102	451.37	2,539.72	15,588.87	91	7,040.00
1988M7	103	437.63	2,213.44	14,592.38	92	7,040.00
1988M8	104	431.26	2,200.21	14,186.73	93	7,110.00
1988M9	105	413.41	2,433.90	11,878.49	94	7,120.00
1988M10	106	406.78	2,936.55	11,556.62	95	7,370.00
1988M11	107	420.46	3,302.52	13,342.36	96	7,490.00
1988M12	108	419.44	3,496.53	16,920.46	97	7,530.00
1989M1	109	404.01	3,392.91	17,725.14	98	7,680.00
1989M2	110	387.51	3,095.29	18,582.47	99	7,580.00
1989M3	111	389.80	3,262.84	17,156.35	100	7,590.00



1989M4	112	384.42	3,117.33	15,261.50	101	7,640.00
1989M5	113	371.05	2,738.14	13,454.00	102	7,700.00
1989M6	114	367.57	2,544.13	12,143.00	103	7,630.00
1989M7	115	374.98	2,503.79	12,275.00	104	7,600.00
1989M8	116	365.10	2,760.18	12,910.00	105	7,750.00
1989M9	117	361.78	2,883.64	11,222.00	106	7,750.00
1989M10	118	367.02	2,859.39	10,425.00	107	7,610.00
1989M11	119	392.36	2,590.43	9,793.00	108	7,640.00
1989M12	120	409.72	2,418.47	8,909.00	109	7,630.00
1990M1	121	409.82	2,365.58	7,056.00	110	7,660.00
1990M2	122	417.18	2,358.94	6,977.00	111	8,030.00
1990M3	123	392.70	2,625.70	9,267.00	112	8,230.00
1990M4	124	374.29	2,685.23	8,939.00	113	8,150.00
1990M5	125	369.20	2,740.34	8,698.00	114	8,140.00
1990M6	126	352.53	2,583.81	8,422.00	115	9,110.00
1990M7	127	362.50	2,769.00	9,318.00	116	11,700.00
1990M8	128	394.63	2,956.40	10,957.00	117	12,420.00
1990M9	129	389.76	3,040.17	10,844.00	118	13,530.00
1990M10	130	381.00	2,742.55	9,145.00	119	12,630.00
1990M11	131	381.79	2,583.81	8,587.00	120	13,930.00
1990M12	132	376.68	2,484.61	8,158.00	121	16,690.00
1991M1	133	383.70	2,447.13	8,569.00	122	14,840.00
1991M2	134	364.39	2,447.13	8,672.00	123	14,840.00
1991M3	135	362.78	2,409.65	8,700.00	124	14,840.00
1991M4	136	358.32	2,471.38	9,023.00	125	14,330.00
1991M5	137	356.96	2,340.42	8,499.61	126	13,290.00
1991M6	138	366.91	2,218.07	8,296.50	127	12,880.00
1991M7	139	367.79	2,231.26	8,515.20	128	13,370.00
1991M8	140	356.67	2,236.19	8,154.75	129	14,960.00
1991M9	141	348.74	2,318.58	7,675.95	130	17,625.00
1991M10	142	358.81	2,360.65	7,453.86	131	24,380.00
1991M11	143	359.59	2,375.66	7,258.50	132	30,580.00
1991M12	144	361.53	2,205.92	7,140.26	133	30,920.00
1992M1	145	354.70	2,150.58	7,531.14	134	28,250.00
1992M2	146	353.78	2,208.89	7,888.00	135	28,330.00
1992M3	147	344.18	2,231.79	7,430.46	136	27,020.00
1992M4	148	338.69	2,214.17	7,417.95	137	26,500.00
1992M5	149	337.10	2,219.32	7,333.95	138	24,750.00
1992M6	150	341.02	2,296.44	7,202.36	139	21,670.00
1992M7	151	352.25	2,527.29	7,516.17	140	19,630.00
1992M8	152	342.89	2,513.47	7,279.75	141	18,781.25
1992M9	153	345.01	2,419.61	6,918.57	142	15,350.00
1992M10	154	344.89	2,262.46	6,322.50	143	16,312.50
1992M11	155	335.05	2,161.79	5,593.71	144	15,875.00
1992M12	156	334.81	2,211.85	5,751.19	145	15,505.00
1993M1	157	329.03	2,264.21	5,948.10	146	15,958.33
1993M2	158	329.30	2,212.18	6,050.75	147	16,125.00
1993M3	159	330.10	2,182.38	5,974.91	148	15,275.00
1993M4	160	342.06	1,953.62	5,987.50	149	14,800.00
1993M5	161	366.67	1,799.35	5,777.79	150	13,687.50
1993M6	162	371.81	1,857.87	5,544.32	151	12,875.00
1993M7	163	392.40	1,927.34	5,051.18	152	12,175.00
1993M8	164	378.70	1,951.07	4,740.48	153	12,333.33
1993M9	165	354.40	1,858.25	4,376.05	154	12,216.67
1993M10	166	362.38	1,647.00	4,464.86	155	11,050.00
1993M11	167	374.17	1,632.57	4,642.27	156	13,400.00
1993M12	168	383.30	1,723.63	5,139.80	157	20,750.00
1994M1	169	387.08	1,807.07	5,584.05	158	21,166.67
1994M2	170	382.30	1,865.08	5,830.10	159	24,416.67

1994M3	171	383.88	1,913.17	5,590.43	160	24,875.00
1994M4	172	377.32	1,881.37	5,400.26	161	23,562.50
1994M5	173	381.59	2,144.50	6,082.86	162	24,375.00
1994M6	174	385.74	2,363.09	6,287.05	163	23,525.00
1994M7	175	385.40	2,447.24	6,230.57	164	22,437.50
1994M8	176	380.76	2,409.75	5,856.14	165	25,500.00
1994M9	177	381.93	2,504.84	6,370.68	166	27,333.33
1994M10	178	389.59	2,546.02	6,735.86	167	26,687.50
1994M11	179	384.44	2,803.55	7,474.55	168	29,250.00
1994M12	180	379.40	2,980.70	8,540.65	169	30,375.00
1995M1	181	378.55	3,003.28	9,596.19	170	30,000.00
1995M2	182	376.51	2,870.45	8,431.25	171	28,437.50
1995M3	183	381.66	2,919.67	7,522.39	172	27,937.50
1995M4	184	391.04	2,894.89	7,405.00	173	29,000.00
1995M5	185	385.22	2,771.57	7,262.38	174	27,850.00
1995M6	186	387.49	2,987.68	7,877.27	175	27,400.00
1995M7	187	388.24	3,076.45	8,618.00	176	28,812.50
1995M8	188	383.70	3,040.14	8,931.82	177	29,045.00
1995M9	189	383.22	2,910.43	8,397.25	178	29,187.50
1995M10	190	383.07	2,810.07	8,088.86	179	30,875.00
1995M11	191	385.68	2,981.62	8,498.10	180	31,675.00
1995M12	192	387.56	2,918.21	8,074.21	181	31,750.00
1996M1	193	400.07	2,605.00	7,870.71	182	31,125.00
1996M2	194	404.48	2,544.67	8,198.50	183	29,350.00
1996M3	195	386.33	2,563.35	8,046.40	184	28,375.00
1996M4	196	393.14	2,594.17	8,047.00	185	28,500.00
1996M5	197	381.94	2,658.76	8,042.86	186	26,062.50
1996M6	198	385.27	2,177.60	7,713.16	187	22,687.50
1996M7	199	383.59	1,983.93	7,202.61	188	21,400.00
1996M8	200	387.47	2,017.88	7,037.62	189	22,150.00
1996M9	201	382.96	1,935.07	7,329.81	190	21,887.50
1996M10	202	381.07	1,960.20	7,028.70	191	21,400.00
1996M11	203	378.52	2,215.43	6,960.71	192	21,400.00
1996M12	204	388.98	2,264.60	6,571.05	193	21,887.50
1997M1	205	355.20	2,427.27	7,089.14	194	21,687.50
1997M2	206	346.71	2,406.63	7,736.58	195	19,925.00
1997M3	207	351.81	2,420.18	7,893.21	196	22,488.75
1997M4	208	344.58	2,389.32	7,313.14	197	25,375.00
1997M5	209	343.70	2,513.30	7,476.00	198	23,406.25
1997M6	210	340.48	2,811.29	7,080.00	199	22,562.50
1997M7	211	324.09	2,449.20	6,832.74	200	23,475.00
1997M8	212	324.05	2,250.10	6,764.45	201	24,525.00
1997M9	213	324.48	2,104.31	6,498.29	202	23,770.00
1997M10	214	323.88	2,050.70	6,373.48	203	25,412.50
1997M11	215	305.35	1,918.50	6,137.25	204	25,650.00
1997M12	216	287.62	1,761.45	5,942.38	205	24,995.00
1998M1	217	289.50	1,687.60	5,489.00	206	24,668.75
1998M2	218	297.46	1,664.00	5,367.25	207	24,958.33
1998M3	219	295.95	1,747.16	5,397.05	208	24,625.00
1998M4	220	308.29	1,800.13	5,391.00	209	24,500.00
1998M5	221	298.98	1,731.68	5,016.84	210	24,250.00
1998M6	222	292.54	1,656.60	4,456.90	211	22,820.00
1998M7	223	292.75	1,655.67	4,332.62	212	21,787.50
1998M8	224	284.11	1,619.93	4,078.00	213	20,837.50
1998M9	225	288.98	1,646.77	4,100.91	214	17,750.00
1998M10	226	295.71	1,585.50	3,870.45	215	15,437.50
1998M11	227	293.72	1,573.72	4,117.25	216	11,488.75
1998M12	228	291.68	1,475.76	3,865.76	217	10,937.50
1999M1	229	286.94	1,432.00	4,264.00	218	18,083.33

1999M2	230	287.66	1,412.95	4,623.25	219	18,525.00
1999M3	231	286.21	1,378.48	5,002.95	220	16,350.00
1999M4	232	282.62	1,463.73	5,054.75	221	16,112.50
1999M5	233	276.91	1,510.45	5,395.79	222	20,581.25
1999M6	234	261.31	1,422.16	5,194.77	223	20,100.00
1999M7	235	256.89	1,639.18	5,696.36	224	19,000.00
1999M8	236	256.91	1,646.74	6,431.43	225	18,350.00
1999M9	237	264.31	1,749.68	7,029.09	226	15,666.67
1999M10	238	310.78	1,723.29	7,317.62	227	14,000.00
1999M11	239	293.18	1,726.77	7,948.82	228	14,200.00
1999M12	240	282.95	1,764.88	8,073.24	229	14,437.50
2000M1	241	284.07	1,843.85	8,315.25	230	14,093.75
2000M2	242	299.72	1,807.03	9,583.75	231	15,225.00
2000M3	243	286.92	1,739.80	10,255.40	232	16,218.75
2000M4	244	279.65	1,681.91	9,746.50	233	16,543.48
2000M5	245	276.74	1,785.10	10,122.91	234	14,977.27
2000M6	246	285.73	1,792.07	8,384.32	235	13,071.43
2000M7	247	281.59	1,803.14	8,174.81	236	13,934.78
2000M8	248	274.43	1,857.12	8,038.43	237	15,029.76
2000M9	249	273.53	1,961.89	8,624.81	238	16,681.82
2000M10	250	289.93	1,894.37	7,650.64	239	16,000.00
2000M11	251	266.30	1,795.60	7,350.59	240	16,000.00
2000M12	252	271.45	1,852.40	7,318.80	241	13,500.00
2001M1	253	265.49	1,787.06	6,975.91	242	13,900.00
2001M2	254	262.09	1,766.13	6,546.80	243	14,272.73
2001M3	255	263.03	1,742.16	6,165.18	244	14,119.05
2001M4	256	280.33	1,665.97	6,363.11	245	10,908.70
2001M5	257	272.09	1,684.85	7,086.48	246	10,814.29
2001M6	258	270.20	1,610.47	6,674.33	247	10,293.18
2001M7	259	267.53	1,526.77	5,982.55	248	9,681.52
2001M8	260	272.09	1,466.41	5,525.64	249	9,312.50
2001M9	261	284.47	1,427.70	5,057.65	250	8,250.00
2001M10	262	282.27	1,377.38	4,830.78	251	8,250.00
2001M11	263	277.18	1,434.29	5,131.32	252	7,592.86
2001M12	264	275.84	1,472.85	5,315.82	253	6,950.00
2002M1	265	281.00	1,508.23	6,081.36	254	6,950.00
2002M2	266	295.29	1,561.37	6,039.95	255	6,785.48
2002M3	267	294.05	1,607.39	6,543.20	256	6,625.00
2002M4	268	302.68	1,588.57	6,956.81	257	6,684.78
2002M5	269	314.49	1,597.02	6,771.18	258	6,706.25
2002M6	270	321.18	1,650.59	7,147.61	259	6,788.04
2002M7	271	313.29	1,588.28	7,137.70	260	6,613.64
2002M8	272	310.28	1,482.92	6,736.86	261	6,685.71
2002M9	273	319.14	1,478.93	6,664.95	262	6,188.04
2002M10	274	316.56	1,486.17	6,818.91	263	6,185.71
2002M11	275	320.44	1,581.04	7,314.81	264	6,551.14
2002M12	276	332.04	1,592.96	7,206.33	265	13,724.80
2003M1	277	356.86	1,650.31	8,032.81	266	14,426.48
2003M2	278	358.97	1,682.15	8,607.90	267	16,688.64
2003M3	279	340.55	1,655.69	8,339.62	268	16,924.46
2003M4	280	328.18	1,587.87	7,930.53	269	17,937.89
2003M5	281	355.68	1,651.10	8,347.73	270	19,538.03
2003M6	282	356.35	1,685.11	8,839.02	271	19,581.40
2003M7	283	351.02	1,712.83	8,831.70	272	19,234.44
2003M8	284	359.77	1,756.73	9,359.88	273	18,828.78
2003M9	285	378.95	1,789.67	9,995.77	274	19,552.10
2003M10	286	378.52	1,925.68	11,040.28	275	25,581.51
2003M11	287	389.91	2,053.28	12,052.38	276	34,005.51
2003M12	288	406.95	2,202.04	14,185.21	277	49,222.59

2004M1	289	413.79	2,421.48	15,089.33	278	49,818.73
2004M2	290	404.88	2,751.72	15,099.35	279	50,171.15
2004M3	291	406.67	3,000.28	13,786.54	280	48,601.61
2004M4	292	403.26	2,926.98	12,725.90	281	46,839.23
2004M5	293	383.78	2,728.46	11,228.61	282	46,214.59
2004M6	294	392.37	2,689.05	13,599.36	283	45,381.65
2004M7	295	398.09	2,816.80	15,020.07	284	43,829.22
2004M8	296	400.51	2,844.20	13,639.62	285	42,959.85
2004M9	297	405.28	2,903.17	13,430.36	286	40,463.89
2004M10	298	420.46	3,009.40	14,378.48	287	31,083.64
2004M11	299	439.38	3,130.31	14,089.51	288	32,403.36
2004M12	300	442.08	3,139.79	13,764.98	289	34,645.42
2005M1	301	424.03	3,168.10	14,583.75	290	33,487.84
2005M2	302	423.35	3,247.10	15,415.80	291	30,406.81
2005M3	303	434.32	3,378.90	16,239.90	292	32,460.45
2005M4	304	429.23	3,389.81	16,138.33	293	29,070.72
2005M5	305	421.87	3,241.90	17,002.25	294	26,714.33
2005M6	306	430.66	3,529.73	16,113.18	295	25,135.32
2005M7	307	424.48	3,608.48	14,587.60	296	29,046.21
2005M8	308	437.93	3,791.91	14,982.00	297	29,206.51
2005M9	309	458.05	3,850.66	14,154.55	298	25,262.83
2005M10	310	469.90	4,056.17	12,431.12	299	25,066.68
2005M11	311	476.67	4,278.16	12,235.05	300	26,867.50
2005M12	312	510.10	4,577.03	13,490.45	301	25,742.30
2006M1	313	549.86	4,743.86	14,680.81	302	23,816.45
2006M2	314	555.00	4,974.98	14,974.50	303	25,487.89
2006M3	315	557.09	5,123.67	14,925.48	304	28,037.83
2006M4	316	610.65	6,404.44	18,028.89	305	28,344.52
2006M5	317	675.39	8,059.19	21,131.33	306	26,557.02
2006M6	318	598.15	7,222.77	20,585.91	307	26,079.91
2006M7	319	633.71	7,726.74	26,185.71	308	31,604.26
2006M8	320	632.59	7,690.25	30,468.86	309	35,804.25
2006M9	321	598.19	7,622.64	29,702.62	310	34,671.08
2006M10	322	585.78	7,497.41	32,551.14	311	35,271.36
2006M11	323	627.63	7,029.30	31,891.59	312	52,650.76
2006M12	324	629.79	6,680.97	34,400.53	313	47,696.25
2007M1	325	631.17	5,689.34	36,821.59	314	48,680.27
2007M2	326	664.75	5,718.15	41,078.25	315	55,929.12
2007M3	327	654.90	6,465.30	46,125.23	316	57,833.44
2007M4	328	679.37	7,753.34	49,956.58	317	54,685.37
2007M5	329	666.86	7,677.95	51,783.33	318	52,152.01
2007M6	330	655.49	7,514.24	41,551.67	319	49,984.32
2007M7	331	665.30	7,980.93	33,400.23	320	46,381.59
2007M8	332	665.41	7,500.20	27,649.64	321	52,218.59
2007M9	333	712.65	7,671.35	29,548.40	322	54,467.58
2007M10	334	754.60	8,020.69	31,156.00	323	59,468.67
2007M11	335	806.25	6,957.43	30,505.64	324	72,800.81
2007M12	336	803.20	6,830.74	26,053.56	325	63,037.81
2008M1	337	889.60	7,078.91	27,774.77	326	91,011.23
2008M2	338	922.30	7,941.14	28,064.95	327	96,022.92
2008M3	339	968.43	8,434.32	31,093.05	328	92,483.82
2008M4	340	909.70	8,714.18	28,776.82	329	88,923.57
2008M5	341	888.66	8,356.13	26,686.50	330	84,657.57
2008M6	342	889.49	8,292.00	22,562.57	331	74,009.38
2008M7	343	939.77	8,407.02	20,106.96	332	50,482.28
2008M8	344	839.03	7,633.80	19,111.60	333	58,288.82
2008M9	345	829.93	6,975.11	17,781.86	334	62,763.44
2008M10	346	806.62	4,894.89	12,144.87	335	41,394.17
2008M11	347	760.86	3,729.19	10,776.50	336	27,996.06



2008M12	348	816.09	3,105.10	9,846.93	337	30,717.55
2009M1	349	858.69	3,260.36	11,562.95	338	30,801.63
2009M2	350	943.16	3,328.41	10,410.75	339	26,494.92
2009M3	351	924.27	3,770.88	6,710.73	340	29,165.11
2009M4	352	890.20	4,436.93	11,331.60	341	29,794.95
2009M5	353	928.64	4,591.46	12,720.08	342	27,447.08
2009M6	354	945.67	5,015.43	14,944.36	343	31,916.30
2009M7	355	934.23	5,228.41	16,017.39	344	35,064.37
2009M8	356	949.38	6,176.88	19,375.93	345	35,726.74
2009M9	357	896.59	6,195.75	17,404.64	346	32,312.21
2009M10	358	1,043.16	6,305.99	18,489.48	347	37,980.59
2009M11	359	1,127.04	6,682.44	16,911.33	348	37,856.05
2009M12	360	1,134.72	6,976.98	17,121.62	349	40,702.42
2010M1	361	1,117.96	7,367.38	18,405.55	350	41,508.01
2010M2	362	1,095.41	6,867.68	19,060.55	351	37,414.14
2010M3	363	1,113.34	7,466.93	22,467.17	352	42,039.98
2010M4	364	1,148.69	7,729.84	26,028.50	353	40,474.35
2010M5	365	1,205.43	8,843.16	21,930.00	354	38,947.73
2010M6	366	1,232.92	6,501.50	19,411.30	355	38,062.50
2010M7	367	1,192.97	6,750.57	19,548.52	356	38,464.76
2010M8	368	1,215.81	7,302.67	21,448.79	357	41,186.36
2010M9	369	1,270.98	7,729.59	22,690.14	358	38,897.62
2010M10	370	1,342.02	8,289.76	23,793.68	359	37,104.77
2010M11	371	1,369.89	8,458.42	22,836.23	360	37,616.67
2010M12	372	1,390.55	9,152.86	24,099.57	361	39,212.50
2011M1	373	1,356.40	9,533.20	25,621.23	362	39,777.75
2011M2	374	1,372.73	9,880.94	28,412.18	363	38,284.13
2011M3	375	1,424.01	9,503.36	26,710.35	364	37,023.61
2011M4	376	1,473.81	9,482.75	26,332.17	365	38,157.50
2011M5	377	1,510.44	8,931.68	24,184.55	366	36,019.32
2011M6	378	1,528.66	9,066.85	22,420.93	367	35,113.10
2011M7	379	1,572.81	9,650.46	23,847.85	368	35,931.36
2011M8	380	1,755.81	8,997.99	21,864.68	369	34,529.55
2011M9	381	1,771.85	8,300.14	20,377.59	370	30,807.19
2011M10	382	1,665.21	7,384.18	19,039.05	371	28,690.91
2011M11	383	1,738.98	7,581.02	17,673.00	372	30,808.75
2011M12	384	1,652.31	7,558.88	18,246.04	373	33,006.67
2012M1	385	1,696.12	8,061.92	19,908.62	374	31,772.62
2012M2	386	1,742.62	8,441.49	20,393.67	375	31,142.73
2012M3	387	1,673.77	8,470.78	18,660.81	376	30,795.66
2012M4	388	1,650.07	8,285.53	17,892.82	377	30,516.82
2012M5	389	1,585.50	7,896.91	16,968.32	378	28,831.91
2012M6	390	1,596.70	7,428.29	16,603.68	379	28,394.08
2012M7	391	1,593.91	7,584.26	16,128.41	380	29,050.36
2012M8	392	1,626.03	7,510.43	15,703.99	381	29,221.25
2012M9	393	1,744.45	8,087.74	17,287.96	382	26,896.74
2012M10	394	1,747.01	8,062.03	17,168.74	383	23,563.41
2012M11	395	1,721.14	7,711.23	16,335.36	384	23,976.00
2012M12	396	1,688.53	7,966.49	17,448.50	385	25,518.09
2013M1	397	1,670.95	8,053.74	17,494.07	386	25,441.33
2013M2	398	1,627.59	8,080.93	17,690.10	387	25,316.98
2013M3	399	1,592.86	7,652.38	16,731.70	388	26,209.45
2013M4	400	1,485.08	7,221.16	15,629.31	389	27,984.38
2013M5	401	1,413.50	7,248.71	14,948.23	390	30,047.54
2013M6	402	1,342.36	7,000.24	14,280.28	391	29,290.04
2013M7	403	1,286.72	6,906.64	13,750.32	392	26,803.43
2013M8	404	1,347.10	7,166.25	14,308.26	393	28,680.43
2013M9	405	1,348.80	7,159.27	13,801.39	394	27,037.96
2013M10	406	1,316.18	7,203.02	14,117.65	395	26,172.48

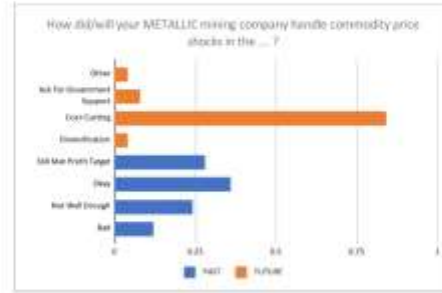
2013M11	407	1,275.82	7,070.65	13,684.01	396	26,587.78
2013M12	408	1,225.40	7,214.90	13,924.55	397	28,134.57
2014M1	409	1,244.80	7,291.47	14,101.25	398	31,081.85
2014M2	410	1,300.98	7,149.21	14,203.55	399	30,899.43
2014M3	411	1,336.08	6,650.04	15,678.10	400	29,771.85
2014M4	412	1,299.00	6,673.56	17,373.60	401	28,993.23
2014M5	413	1,287.53	6,891.13	19,401.08	402	30,458.60
2014M6	414	1,279.10	6,821.14	18,628.81	403	31,897.20
2014M7	415	1,310.97	7,113.38	19,117.65	404	32,341.56
2014M8	416	1,295.99	7,001.84	18,600.20	405	32,350.74
2014M9	417	1,238.82	6,872.22	18,034.80	406	31,142.42
2014M10	418	1,222.49	6,737.48	15,812.37	407	30,752.14
2014M11	419	1,176.30	6,712.85	15,807.05	408	30,945.21
2014M12	420	1,202.29	6,446.45	15,962.05	409	30,749.48
2015M1	421	1,251.85	5,830.54	14,849.19	410	29,155.38
2015M2	422	1,227.19	5,729.28	14,573.84	411	27,568.78
2015M3	423	1,178.63	5,939.67	13,755.50	412	28,827.28
2015M4	424	1,197.91	6,042.09	12,830.93	413	30,066.58
2015M5	425	1,199.05	6,294.78	13,511.34	414	30,650.39
2015M6	426	1,181.50	5,833.01	12,825.23	415	31,579.87
2015M7	427	1,130.04	5,456.75	11,413.10	416	29,243.95
2015M8	428	1,117.48	5,127.30	10,386.00	417	27,714.31
2015M9	429	1,124.53	5,217.25	9,937.55	418	27,499.05
2015M10	430	1,159.25	5,216.09	10,316.83	419	24,413.70
2015M11	431	1,085.70	4,799.90	9,244.33	420	23,951.18
2015M12	432	1,068.25	4,638.83	8,707.79	421	23,134.60
2016M1	433	1,087.38	4,471.79	8,507.29	422	22,275.88
2016M2	434	1,189.91	4,598.62	8,298.50	423	22,982.52
2016M3	435	1,246.34	4,953.80	8,717.25	424	23,000.50
2016M4	436	1,242.26	4,872.74	8,878.86	425	23,413.63
2016M5	437	1,259.40	4,694.54	8,660.35	426	23,692.73
2016M6	438	1,276.40	4,641.97	8,926.35	427	25,085.52
2016M7	439	1,337.33	4,864.90	10,262.86	428	26,286.59
2016M8	440	1,341.09	4,751.67	10,335.99	429	26,625.00
2016M9	441	1,326.03	4,722.20	10,191.78	430	28,205.67
2016M10	442	1,286.57	4,731.26	10,259.74	431	29,258.41
2016M11	443	1,235.98	5,450.93	11,128.91	432	31,589.38
2016M12	444	1,151.40	5,660.35	10,972.28	433	34,720.38
2017M1	445	1,182.62	5,754.58	9,971.46	434	43,005.00
2017M2	446	1,234.36	5,940.91	10,643.30	435	52,785.22
2017M3	447	1,231.09	5,824.63	10,204.66	436	55,305.56
2017M4	448	1,265.63	5,683.90	9,609.28	437	54,941.94
2017M5	449	1,245.00	5,599.56	9,155.12	438	57,449.45
2017M6	450	1,260.26	5,719.76	8,931.76	439	58,548.90
2017M7	451	1,236.22	5,985.12	9,491.39	440	58,465.14
2017M8	452	1,282.32	6,485.63	10,889.98	441	60,128.50
2017M9	453	1,314.98	6,577.17	11,215.79	442	59,905.86
2017M10	454	1,279.51	6,807.60	11,335.77	443	62,118.05
2017M11	455	1,282.28	6,826.55	11,972.00	444	72,632.05
2017M12	456	1,261.26	6,833.89	11,495.11	445	77,293.52
2018M1	457	1,331.67	7,065.85	12,864.88	446	80,792.80
2018M2	458	1,331.53	7,006.53	13,595.88	447	87,614.90
2018M3	459	1,324.66	6,799.18	13,392.50	448	90,782.50
2018M4	460	1,334.74	6,851.51	13,938.10	449	90,250.00
2018M5	461	1,303.03	6,825.27	14,366.49	450	81,188.10
2018M6	462	1,281.57	6,965.86	15,105.65	451	70,647.73
2018M7	463	1,238.53	6,250.75	13,793.86	452	63,302.30
2018M8	464	1,201.25	6,051.05	13,411.35	453	62,210.33
2018M9	465	1,198.47	6,050.76	12,510.35	454	60,626.78

2018M10	466	1,215.39	6,219.59	12,314.91	455	54,962.93
2018M11	467	1,220.95	6,195.92	11,239.72	456	55,263.16
2018M12	468	1,247.92	6,075.32	10,835.08	457	40,704.55
2019M1	469	1,291.75	5,939.10	11,523.09	458	32,100.00
2019M2	470	1,320.07	6,300.49	12,685.23	459	31,333.33
2019M3	471	1,300.90	6,439.46	13,026.27	460	33,500.00
2019M4	472	1,286.45	6,438.36	12,772.79	461	34,166.67
2019M5	473	1,283.95	6,017.90	12,016.31	462	28,809.00
2019M6	474	1,359.04	5,882.23	11,943.94	463	27,340.33
2019M7	475	1,412.98	5,941.20	13,546.30	464	30,136.57
2019M8	476	1,498.80	5,709.44	15,748.64	465	35,720.43
2019M9	477	1,511.31	5,759.25	17,656.88	466	35,263.09
2019M10	478	1,494.60	5,757.30	17,046.22	467	35,510.17
2019M11	479	1,470.02	5,859.95	15,171.81	468	33,547.46
2019M12	480	1,476.04	6,077.06	13,829.43	469	32,213.02
<b>Commodity</b>	<b>Gold</b>	<b>Copper</b>	<b>Nickel</b>	<b>Cobalt</b>		
<b>Compounded Monthly Growth Rate</b>		<b>0.1633%</b>	<b>0.6577%</b>	<b>0.0122%</b>		<b>0.1223%</b>

Ex-Pandemic Qualitative Survey (Metallic Mining)

How did/will your company handle commodity price shocks IN THE ...?

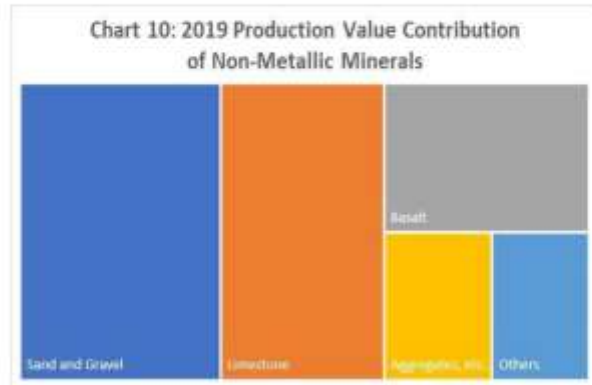
	PAST	FUTURE	
Bad	3	Diversification	1
Not Well Enough	6	Cost-Cutting	21
Okay	9	Ask For Government Support	2
Still Met Profit Target	7	Other	1
N= 25			
	PAST	FUTURE	
Bad	12%		
Not Well Enough	24%		
Okay	36%		
Still Met Profit Target	28%		
Diversification		4%	
Cost-Cutting		84%	
Ask For Government Support		8%	
Other		4%	





2019 Production Value Contribution of Non-Metallic Minerals (in million PHP)

		% Share
Sand and Gravel	3,180.81	35.30%
Limestone	2,587.27	28.71%
Basalt	1,626.99	18.06%
Aggregates, etc.	852.17	9.46%
Others	763.04	8.47%
	9,010.28	



**Annual Commodity Prices of Select Non-Metallic Minerals (in USD per ton)**

	<b>SAND AND GRAVEL</b>	<b>LIMESTONE</b>	<b>SILICA (for basalt)</b>
<b>1991</b>	3.96	5.15	16.81
<b>1992</b>	4.01	5.31	17.24
<b>1993</b>	4.06	5.3	17.33
<b>1994</b>	4.2	5.39	17.86
<b>1995</b>	4.3	5.36	17.82
<b>1996</b>	4.38	5.4	17.88
<b>1997</b>	4.47	5.64	17.93
<b>1998</b>	4.57	5.39	18.19
<b>1999</b>	4.73	5.35	18.64
<b>2000</b>	4.81	5.39	19.58
<b>2001</b>	5.02	5.57	20.64
<b>2002</b>	5.07	5.71	20.98
<b>2003</b>	5.16	5.93	22.14
<b>2004</b>	5.32	6.08	23.06
<b>2005</b>	5.86	7.29	24.57
<b>2006</b>	6.47	8.03	26.26
<b>2007</b>	7.06	8.58	27.64
<b>2008</b>	7.44	9.36	30.82
<b>2009</b>	7.51	9.73	34.25
<b>2010</b>	7.3	9.57	35.63
<b>2011</b>	7.49	9.6	45.74
<b>2012</b>	7.65	9.73	52.8
<b>2013</b>	7.76	9.94	55.8
<b>2014</b>	8.04	10.19	74.8
<b>2015</b>	8.28	10.49	47.3
<b>2016</b>	8.41	11.06	35.4
<b>2017</b>	8.83	11.45	52
<b>2018</b>	9.14	11.64	56.4
<b>2019</b>	9.32	11.96	47.3

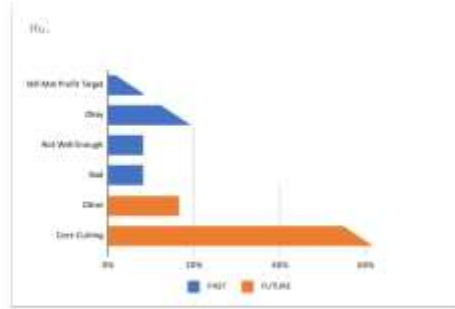
**Ex-Pandemic Qualitative Survey (Non-Metallic Mining)**

How did/will your company handle commodity price shocks IN THE ...?

	PAST		FUTURE
Bad	1	Diversification	0
Not Well Enough	1	Cost-Cutting	8
Okay	8	Ask For Government Support	0
Still Met Profit Target	1	Other	2
No Answer	1	No Answer	2

N= 12

	PAST	FUTURE	
Cost-Cutting			67%
Other			17%
Bad	8%		
Not Well Enough	8%		
Okay	67%		
Still Met Profit Target	8%		



Commodity	Crude Oil	Natural Gas	Coal
Commodity Description	Crude Oil (petroleum), Price index, 2016 = 100, simple average of three spot prices; Dated Brent, West Texas Intermediate, and the Dubai Fateh	Natural Gas Price Index, 2016 = 100, includes European, Japanese, and American Natural Gas Price Indices	Coal Price Index, 2016 = 100, includes Australian and South African Coal
Data Type	Index	Index	Index
Frequency	Monthly	Monthly	Monthly
	N=	N=	N=
1990M1			1 51
1990M2			2 51
1990M3			3 51
1990M4			4 51
1990M5			5 54
1990M6			6 55
1990M7			7 55
1990M8			8 55
1990M9			9 55
1990M10			10 55
1990M11			11 55
1990M12			12 55
1991M1	1	52	13 55
1991M2	2	42	14 55
1991M3	3	43	15 52
1991M4	4	44	16 52
1991M5	5	45	17 52
1991M6	6	44	18 52
1991M7	7	47	19 52
1991M8	8	47	20 52
1991M9	9	48	21 52
1991M10	10	51	22 52
1991M11	11	48	23 52
1991M12	12	41	24 52
1992M1	13	40 1	55 25 52
1992M2	14	41 2	50 26 52
1992M3	15	41 3	51 27 52
1992M4	16	44 4	52 28 52
1992M5	17	46 5	55 29 52
1992M6	18	48 6	56 30 51
1992M7	19	45 7	58 31 49
1992M8	20	44 8	62 32 49
1992M9	21	45 9	64 33 49
1992M10	22	45 10	68 34 48
1992M11	23	44 11	66 35 46
1992M12	24	42 12	65 36 46
1993M1	25	41 13	63 37 46
1993M2	26	43 14	60 38 43
1993M3	27	43 15	66 39 43
1993M4	28	42 16	68 40 43
1993M5	29	42 17	65 41 43
1993M6	30	40 18	63 42 43

1993M7	31	38 19	64 43	43
1993M8	32	38 20	67 44	43
1993M9	33	38 21	65 45	43
1993M10	34	38 22	62 46	43
1993M11	35	35 23	65 47	43
1993M12	36	31 24	62 48	43
1994M1	37	33 25	63 49	43
1994M2	38	32 26	68 50	43
1994M3	39	32 27	60 51	42
1994M4	40	35 28	58 52	42
1994M5	41	38 29	57 53	43
1994M6	42	39 30	58 54	46
1994M7	43	40 31	59 55	46
1994M8	44	38 32	56 56	46
1994M9	45	36 33	54 57	46
1994M10	46	36 34	54 58	47
1994M11	47	38 35	54 59	47
1994M12	48	36 36	56 60	51
1995M1	49	37 37	55 61	53
1995M2	50	38 38	56 62	54
1995M3	51	37 39	57 63	54
1995M4	52	39 40	59 64	54
1995M5	53	38 41	59 65	55
1995M6	54	36 42	60 66	56
1995M7	55	33 43	57 67	57
1995M8	56	35 44	57 68	57
1995M9	57	37 45	58 69	57
1995M10	58	35 46	61 70	57
1995M11	59	36 47	62 71	56
1995M12	60	39 48	72 72	55
1996M1	61	39 49	76 73	55
1996M2	62	39 50	89 74	55
1996M3	63	43 51	76 75	53
1996M4	64	46 52	68 76	54
1996M5	65	43 53	68 77	53
1996M6	66	42 54	71 78	52
1996M7	67	44 55	72 79	52
1996M8	68	45 56	65 80	52
1996M9	69	50 57	62 81	53
1996M10	70	53 58	71 82	53
1996M11	71	50 59	83 83	52
1996M12	72	53 60	93 84	52
1997M1	73	53 61	86 85	52
1997M2	74	48 62	71 86	51
1997M3	75	46 63	65 87	51
1997M4	76	43 64	64 88	51
1997M5	77	46 65	67 89	51
1997M6	78	42 66	67 90	50
1997M7	79	43 67	65 91	49
1997M8	80	45 68	68 92	50

1997M9	81	45 69	74 93	50
1997M10	82	48 70	75 94	49
1997M11	83	45 71	74 95	45
1997M12	84	41 72	66 96	44
1998M1	85	36 73	63 97	44
1998M2	86	34 74	62 98	45
1998M3	87	32 75	61 99	43
1998M4	88	32 76	63 100	43
1998M5	89	34 77	59 101	43
1998M6	90	30 78	59 102	43
1998M7	91	31 79	58 103	42
1998M8	92	31 80	53 104	39
1998M9	93	33 81	55 105	40
1998M10	94	31 82	53 106	40
1998M11	95	28 83	55 107	39
1998M12	96	24 84	49 108	39
1999M1	97	26 85	50 109	39
1999M2	98	25 86	49 110	39
1999M3	99	31 87	49 111	38
1999M4	100	38 88	53 112	38
1999M5	101	39 89	57 113	38
1999M6	102	39 90	58 114	38
1999M7	103	45 91	58 115	37
1999M8	104	48 92	66 116	37
1999M9	105	53 93	65 117	36
1999M10	106	52 94	70 118	36
1999M11	107	57 95	66 119	36
1999M12	108	59 96	67 120	35
2000M1	109	60 97	76 121	36
2000M2	110	65 98	79 122	36
2000M3	111	66 99	83 123	37
2000M4	112	57 100	88 124	37
2000M5	113	67 101	93 125	38
2000M6	114	72 102	105 126	39
2000M7	115	69 103	105 127	39
2000M8	116	73 104	111 128	39
2000M9	117	80 105	120 129	40
2000M10	118	79 106	124 130	41
2000M11	119	82 107	130 131	40
2000M12	120	63 108	175 132	49
2001M1	121	65 109	164 133	50
2001M2	122	68 110	127 134	50
2001M3	123	63 111	123 135	51
2001M4	124	66 112	123 136	51
2001M5	125	71 113	111 137	51
2001M6	126	70 114	105 138	51
2001M7	127	64 115	83 139	51
2001M8	128	66 116	90 140	51
2001M9	129	63 117	79 141	49
2001M10	130	53 118	79 142	49

2001M11	131	48 119	74 143	45
2001M12	132	48 120	74 144	43
2002M1	133	50 121	68 145	44
2002M2	134	52 122	69 146	44
2002M3	135	61 123	78 147	43
2002M4	136	66 124	84 148	41
2002M5	137	65 125	86 149	40
2002M6	138	61 126	83 150	38
2002M7	139	63 127	85 151	35
2002M8	140	66 128	81 152	34
2002M9	141	69 129	88 153	35
2002M10	142	68 130	98 154	40
2002M11	143	60 131	97 155	40
2002M12	144	67 132	106 156	40
2003M1	145	73 133	120 157	40
2003M2	146	78 134	153 158	40
2003M3	147	72 135	128 159	37
2003M4	148	61 136	121 160	36
2003M5	149	60 137	127 161	36
2003M6	150	64 138	126 162	39
2003M7	151	66 139	116 163	42
2003M8	152	69 140	116 164	43
2003M9	153	63 141	112 165	47
2003M10	154	66 142	111 166	49
2003M11	155	66 143	110 167	53
2003M12	156	66 144	132 168	56
2004M1	157	68 145	131 169	61
2004M2	158	68 146	121 170	65
2004M3	159	74 147	122 171	70
2004M4	160	75 148	128 172	77
2004M5	161	84 149	136 173	84
2004M6	162	79 150	137 174	94
2004M7	163	83 151	134 175	100
2004M8	164	93 152	128 176	95
2004M9	165	92 153	127 177	90
2004M10	166	102 154	148 178	90
2004M11	167	90 155	147 179	88
2004M12	168	82 156	151 180	82
2005M1	169	91 157	147 181	80
2005M2	170	95 158	148 182	74
2005M3	171	108 159	161 183	74
2005M4	172	109 160	170 184	75
2005M5	173	104 161	161 185	75
2005M6	174	119 162	168 186	77
2005M7	175	128 163	180 187	79
2005M8	176	137 164	207 188	73
2005M9	177	136 165	249 189	70
2005M10	178	130 166	272 190	64
2005M11	179	125 167	227 191	59
2005M12	180	128 168	260 192	61

2006M1	181	139 169	208 193	66
2006M2	182	135 170	195 194	74
2006M3	183	137 171	186 195	80
2006M4	184	152 172	193 196	83
2006M5	185	150 173	184 197	79
2006M6	186	150 174	184 198	80
2006M7	187	159 175	185 199	81
2006M8	188	157 176	197 200	81
2006M9	189	136 177	169 201	75
2006M10	190	127 178	180 202	73
2006M11	191	127 179	199 203	72
2006M12	192	131 180	189 204	78
2007M1	193	117 181	187 205	79
2007M2	194	125 182	203 206	80
2007M3	195	130 183	192 207	82
2007M4	196	139 184	196 208	82
2007M5	197	139 185	199 209	81
2007M6	198	146 186	196 210	89
2007M7	199	156 187	180 211	97
2007M8	200	149 188	182 212	100
2007M9	201	161 189	179 213	101
2007M10	202	171 190	197 214	112
2007M11	203	187 191	203 215	134
2007M12	204	185 192	207 216	144
2008M1	205	186 193	232 217	148
2008M2	206	191 194	241 218	189
2008M3	207	202 195	252 219	186
2008M4	208	215 196	279 220	178
2008M5	209	245 197	297 221	192
2008M6	210	263 198	320 222	227
2008M7	211	265 199	321 223	269
2008M8	212	235 200	282 224	245
2008M9	213	208 201	268 225	235
2008M10	214	156 202	272 226	175
2008M11	215	118 203	253 227	144
2008M12	216	87 204	234 228	118
2009M1	217	94 205	220 229	120
2009M2	218	91 206	197 230	114
2009M3	219	102 207	169 231	92
2009M4	220	110 208	142 232	96
2009M5	221	124 209	148 233	93
2009M6	222	145 210	148 234	101
2009M7	223	135 211	133 235	102
2009M8	224	149 212	127 236	105
2009M9	225	141 213	126 237	100
2009M10	226	151 214	142 238	104
2009M11	227	157 215	137 239	110
2009M12	228	154 216	162 240	117
2010M1	229	160 217	178 241	138
2010M2	230	158 218	170 242	134



2010M3	231	168 219	157 243	136
2010M4	232	180 220	160 244	144
2010M5	233	166 221	161 245	147
2010M6	234	165 222	168 246	146
2010M7	235	161 223	168 247	144
2010M8	236	162 224	163 248	137
2010M9	237	162 225	157 249	138
2010M10	238	169 226	155 250	145
2010M11	239	176 227	161 251	161
2010M12	240	190 228	168 252	178
2011M1	241	194 229	179 253	196
2011M2	242	203 230	178 254	187
2011M3	243	223 231	178 255	191
2011M4	244	236 232	196 256	190
2011M5	245	220 233	205 257	185
2011M6	246	215 234	210 258	184
2011M7	247	220 235	218 259	182
2011M8	248	203 236	219 260	183
2011M9	249	209 237	217 261	183
2011M10	250	206 238	219 262	177
2011M11	251	218 239	216 263	169
2011M12	252	219 240	216 264	165
2012M1	253	226 241	208 265	170
2012M2	254	236 242	202 266	171
2012M3	255	248 243	207 267	162
2012M4	256	239 244	210 268	157
2012M5	257	221 245	211 269	147
2012M6	258	194 246	216 270	132
2012M7	259	208 247	212 271	133
2012M8	260	226 248	208 272	136
2012M9	261	224 249	209 273	133
2012M10	262	218 250	210 274	128
2012M11	263	215 251	212 275	129
2012M12	264	213 252	212 276	138
2013M1	265	222 253	211 277	136
2013M2	266	229 254	211 278	138
2013M3	267	222 255	220 279	133
2013M4	268	213 256	224 280	130
2013M5	269	215 257	217 281	130
2013M6	270	214 258	217 282	124
2013M7	271	227 259	209 283	115
2013M8	272	231 260	206 284	115
2013M9	273	232 261	208 285	116
2013M10	274	222 262	207 286	124
2013M11	275	218 263	207 287	128
2013M12	276	223 264	220 288	130
2014M1	277	216 265	226 289	127
2014M2	278	221 266	243 290	119
2014M3	279	218 267	227 291	115
2014M4	280	220 268	224 292	115

2014M5	281	222 269	222 293	115
2014M6	282	228 270	220 294	113
2014M7	283	222 271	204 295	108
2014M8	284	213 272	204 296	108
2014M9	285	208 273	202 297	103
2014M10	286	188 274	196 298	100
2014M11	287	170 275	206 299	99
2014M12	288	135 276	200 300	99
2015M1	289	108 277	182 301	93
2015M2	290	126 278	175 302	99
2015M3	291	124 279	167 303	96
2015M4	292	135 280	140 304	90
2015M5	293	144 281	135 305	96
2015M6	294	142 282	132 306	92
2015M7	295	127 283	131 307	90
2015M8	296	106 284	133 308	87
2015M9	297	107 285	130 309	84
2015M10	298	108 286	123 310	80
2015M11	299	101 287	115 311	82
2015M12	300	86 288	116 312	79
2016M1	301	70 289	107 313	77
2016M2	302	72 290	99 314	79
2016M3	303	87 291	90 315	81
2016M4	304	94 292	86 316	80
2016M5	305	106 293	87 317	80
2016M6	306	110 294	97 318	85
2016M7	307	103 295	101 319	95
2016M8	308	104 296	103 320	102
2016M9	309	104 297	105 321	107
2016M10	310	116 298	106 322	134
2016M11	311	107 299	100 323	149
2016M12	312	127 300	119 324	131
2017M1	313	129 301	133 325	132
2017M2	314	130 302	116 326	126
2017M3	315	122 303	102 327	122
2017M4	316	125 304	105 328	124
2017M5	317	118 305	106 329	113
2017M6	318	108 306	102 330	122
2017M7	319	111 307	104 331	128
2017M8	320	115 308	108 332	141
2017M9	321	121 309	118 333	146
2017M10	322	126 310	123 334	144
2017M11	323	138 311	135 335	144
2017M12	324	140 312	141 336	149
2018M1	325	149 313	155 337	155
2018M2	326	142 314	143 338	153
2018M3	327	143 315	139 339	146
2018M4	328	154 316	124 340	144
2018M5	329	167 317	133 341	158
2018M6	330	165 318	144 342	168

2018M7	331	168 319	140 343	173
2018M8	332	165 320	149 344	165
2018M9	333	175 321	163 345	163
2018M10	334	179 322	155 346	159
2018M11	335	146 323	162 347	148
2018M12	336	126 324	153 348	150
2019M1	337	131 325	133 349	145
2019M2	338	143 326	111 350	135
2019M3	339	149 327	103 351	129
2019M4	340	160 328	96 352	117
2019M5	341	157 329	91 353	115
2019M6	342	140 330	78 354	104
2019M7	343	144 331	79 355	106
2019M8	344	136 332	74 356	95
2019M9	345	142 333	81 357	94
2019M10	346	136 334	84 358	102
2019M11	347	143 335	96 359	110
2019M12	348	149 336	87 360	115
<b>Commodity</b>	<b>Crude Oil</b>	<b>Natural Gas</b>	<b>Coal</b>	
<b>Compounded Monthly Growth Rate</b>		<b>0.3040%</b>	<b>0.1405%</b>	<b>0.2247%</b>
	<b>Crude Oil / Natural Gas</b>		<b>Natural Gas / Coal</b>	<b>Crude Oil / Coal</b>
<b>Correlation Coefficient</b>		<b>0.8633</b>	<b>0.7262</b>	<b>0.8682</b>

2019 Gross Value Added in Mining and Quarrying by Industry (at Current Prices, in million PHP)

	Q1	Q2	Q3	Q4	TOTAL		% Share
..Mining of coal	4,455	6,211	4,287	2,132	17,085	<b>Coal</b>	10.56%
..Extraction of crude petroleum and natural gas	10,099	10,823	7,010	9,370	37,302	<b>Oil and Gas</b>	23.05%
..Mining of gold ores and other precious metals	7,145	7,246	6,866	5,325	26,582	<b>Non-Metals</b>	30.87%
..Mining of nickel ores	4,360	7,939	6,082	2,382	20,763	<b>Metals</b>	35.52%
..Mining of copper ores	2,670	2,572	2,366	2,532	10,140	<b>Gold and Other Precious Metals</b>	16.43%
..Stone quarrying, and other mining and quarrying	13,754	10,359	10,421	15,420	49,954	<b>Nickel and Copper</b>	19.10%
<b>Gross Value Added in Mining and Quarrying</b>	<b>42,484</b>	<b>45,149</b>	<b>37,032</b>	<b>37,161</b>	<b>161,826</b>		

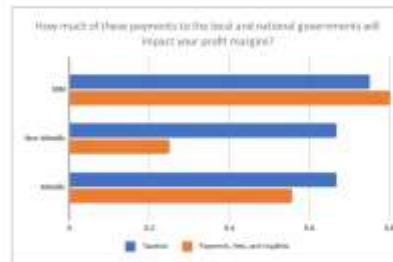
So-Pandemic Qualitative Survey (Metallic Mining, Non-Metallic, and SSM)

How much of these payments to the local and national governments will impact your profit margin?

	Metallic	Non-Metallic	SSM
Taxation	18	8	15
Payments, fees, and royalties	15	3	16

N\* = 27 12 20  
 \*multiple answers given

	Metallic	Non-Metallic	SSM
Taxation	67%	67%	75%
Payments, fees, and royalties	56%	25%	80%



Quarterly Index of OVA in MAQ

	Mining of Crude Petroleum and Natural Gas	Mining of Coal	Mining of Gold Ores and Other Precious Metals	Mining of Nickel Ores and Copper Ores	Stone Quarrying and Other MAQ	
	OIL AND GAS	COAL	GOLD, ETC.	OTHER METALS	NON-METALS	
2000Q1	191.8	39.9		24.9	124.65	82.3
2000Q2	49.8	40.2		28	90.4	32.8
2000Q3	61.1	72.7		27.4	75.35	109.7
2000Q4	58.1	38.1		28.6	117.45	99.3
2001Q1	70.8	67		27.8	113.95	79.6
2001Q2	57.4	47.5		28.8	100.1	83
2001Q3	56.2	81.6		30.6	95.8	91.5
2001Q4	52.9	56.7		29.2	81.6	97.8
2002Q1	64	61		30.4	103.75	64.9
2002Q2	60.6	47.5		32.2	91.4	90.7
2002Q3	72	34.9		35.5	98.5	104
2002Q4	80.5	43.8		35.2	106.7	96.3
2003Q1	98.6	41.4		39.6	119.9	85
2003Q2	58.4	48.8		38.4	110.4	82.1
2003Q3	66.3	88.3		37.8	99.1	94.2
2003Q4	81.1	33.4		43.7	165.4	85.2
2004Q1	90.4	45		44.8	160.5	80
2004Q2	56.9	39.8		40.3	150.5	74.8
2004Q3	115	151.2		44.9	141.25	126.8
2004Q4	38	57.5		45.6	215.4	87
2005Q1	88.2	57.8		41.7	206.35	82.5
2005Q2	63.5	81.9		43.1	264.6	94
2005Q3	143.2	148		40.2	205.9	129.2
2005Q4	114.7	49.5		45.6	219	87.5
2006Q1	109.8	82.1		48.6	153.4	92.3
2006Q2	72.6	57		57.3	256.2	88.8
2006Q3	145.9	130.7		50.6	245.25	112.7
2006Q4	122	49.7		52.6	313.05	85.1
2007Q1	98.8	59.6		63.1	242.15	89.5
2007Q2	63.7	59.6		61.8	347.65	100.4
2007Q3	124.7	118		64.8	225	104.4
2007Q4	109.2	41.4		64.8	280	72
2008Q1	101.8	54.6		71.2	173.3	78.5
2008Q2	78.2	70.9		72	341.55	86.8
2008Q3	163.4	115.9		79.8	170.8	103.4
2008Q4	102.1	44.8		74.7	123.35	81.2
2009Q1	206	62.9		76.8	65.5	80.4
2009Q2	55.4	59.2		82.6	123.7	78.4
2009Q3	159.6	105.5		98.9	113.55	90.7
2009Q4	132.8	36.5		99.7	154.35	81.6
2010Q1	147.3	50.4		96.2	95.3	76.6
2010Q2	61.1	56.9		105.3	169.25	78.9
2010Q3	151.8	133.4		120.6	128.05	101.2
2010Q4	130.3	50.7		119.7	191.15	70.3
2011Q1	151.5	76.5		127	95.65	96.2
2011Q2	72	76.4		129.4	187.1	97.5
2011Q3	162.6	161.9		149.5	144.2	114.6
2011Q4	125.8	31.1		120.9	180.4	65
2012Q1	133.7	87.1		127.4	93.8	77.4
2012Q2	62.5	89.8		122.3	173.55	81.8
2012Q3	160.8	87.5		134.8	123.3	83
2012Q4	137.2	40		123.5	169.45	62.7
2013Q1	135.7	55.5		118.8	73.85	75.6
2013Q2	57.4	83.5		97.7	147.5	74.7
2013Q3	160.2	118		109.5	116.5	93.2
2013Q4	152.8	52		96.6	173.1	66.1
2014Q1	156	86.4		99.9	68.35	75.1
2014Q2	64.7	81.2		94.5	150.05	70.3
2014Q3	154.8	98.9		102.3	133.45	85.2
2014Q4	122.1	83.6		88	170.5	44.4
2015Q1	105.8	58.9		92.1	64.85	75.6
2015Q2	41	54		87.9	128.35	70.8
2015Q3	124.4	102.4		93.7	96.75	91.1
2015Q4	101.3	48.7		85.6	126.35	69.6
2016Q1	96.5	48.9		90.6	56.25	76.2
2016Q2	39.4	58.6		97	108.5	78
2016Q3	110.7	136.9		118.8	93.45	114.5
2016Q4	99.7	52.1		95.1	138.6	75.6
2017Q1	121.5	83.2		96.1	69.75	87.1
2017Q2	47.9	80.4		100	124.85	90.9
2017Q3	135.8	181.9		114	113.65	133.9
2017Q4	123.1	53.8		99.6	167.45	78.5
2018Q1	129.2	76.4		102.2	86.4	82.6
2018Q2	56.4	113		100	141.95	100.2
2018Q3	160.9	254.5		104.3	117.7	134.3
2018Q4	133.4	57.3		93.7	153.95	85.5
2019Q1	129.8	47.2		100.2	78.3	101.2
2019Q2	53.8	75.8		101.6	135.3	98.7
2019Q3	145.5	127		121.1	126.35	125.8
2019Q4	123.5	37.3		114.8	172.15	89.7

Commodity Price Indices (2016=100; except for Non-Metals, 1982=100)

	METALS*	NON-METALS**	OIL AND GAS***	COAL
2000Q1	91.40	137.40	71.58	36.23
2000Q2	69.60	138.27	80.50	38.32
2000Q3	59.37	138.40	93.11	39.59
2000Q4	87.83	138.90	108.84	43.27
2001Q1	86.50	141.10	101.81	50.14
2001Q2	76.53	142.20	90.99	51.24
2001Q3	54.07	142.50	75.80	50.20
2001Q4	64.13	142.63	62.35	45.78
2002Q1	79.30	143.03	62.92	43.56
2002Q2	71.67	143.33	74.17	39.92
2002Q3	57.50	143.67	75.25	34.79
2002Q4	82.87	144.07	82.79	39.71
2003Q1	93.13	144.97	103.89	39.29
2003Q2	90.40	145.67	93.20	37.19
2003Q3	78.67	146.57	90.20	43.74
2003Q4	124.83	147.20	91.89	52.93
2004Q1	121.93	148.67	97.37	65.33
2004Q2	113.83	149.27	106.27	85.13
2004Q3	109.13	149.83	109.59	94.81
2004Q4	158.80	151.00	120.10	86.41
2005Q1	151.47	154.77	125.04	76.29
2005Q2	190.77	155.73	138.31	75.67
2005Q3	153.67	157.37	172.56	74.21
2005Q4	161.20	160.37	190.30	61.51
2006Q1	118.47	166.00	166.67	73.70
2006Q2	189.90	167.27	168.77	80.54
2006Q3	183.37	170.70	167.22	79.03
2006Q4	226.23	171.50	158.83	74.26
2007Q1	182.47	174.60	159.05	80.34
2007Q2	252.37	175.43	169.32	83.81
2007Q3	171.60	176.00	167.67	99.22
2007Q4	208.20	176.80	191.48	130.12
2008Q1	139.27	181.27	217.37	174.29
2008Q2	185.03	184.20	270.02	199.15
2008Q3	140.50	186.57	263.19	249.70
2008Q4	107.13	189.00	186.55	145.63
2009Q1	69.27	198.03	145.54	108.67
2009Q2	110.00	199.50	136.00	96.44
2009Q3	108.67	198.97	135.16	102.57
2009Q4	136.13	199.47	150.51	110.10
2010Q1	95.27	200.73	165.02	136.16
2010Q2	147.93	202.37	166.43	146.10
2010Q3	125.57	203.40	162.08	139.67
2010Q4	167.33	203.97	169.82	161.15

2011Q1	106.10	206.63	192.47	191.48
2011Q2	167.87	209.00	213.96	186.15
2011Q3	145.97	209.67	214.12	182.56
2011Q4	160.57	211.10	215.73	170.36
2012Q1	105.00	218.50	221.30	167.57
2012Q2	156.47	218.80	215.21	145.44
2012Q3	127.13	219.30	214.66	134.01
2012Q4	154.13	219.83	213.43	130.99
2013Q1	88.83	223.77	219.13	135.80
2013Q2	130.90	225.27	216.79	128.03
2013Q3	114.17	225.67	218.77	115.59
2013Q4	147.60	226.37	216.12	127.20
2014Q1	78.87	231.17	225.24	120.43
2014Q2	131.53	234.27	222.58	114.15
2014Q3	123.13	235.03	208.70	106.64
2014Q4	143.33	237.30	182.93	99.37
2015Q1	73.93	238.93	147.08	96.08
2015Q2	114.87	240.20	138.07	92.73
2015Q3	95.73	240.33	122.23	87.19
2015Q4	112.77	240.27	108.18	80.17
2016Q1	67.70	240.43	87.52	79.20
2016Q2	103.33	242.93	96.54	81.87
2016Q3	101.07	243.97	103.42	101.19
2016Q4	124.10	244.33	112.52	137.75
2017Q1	78.53	244.70	122.08	126.73
2017Q2	116.57	245.37	110.73	119.81
2017Q3	113.77	246.13	112.72	138.40
2017Q4	144.83	246.77	133.82	146.00
2018Q1	91.83	247.80	145.20	151.37
2018Q2	127.97	248.77	147.87	156.57
2018Q3	113.23	248.77	160.02	166.97
2018Q4	133.70	249.13	153.60	152.26
2019Q1	85.60	251.37	128.30	136.36
2019Q2	124.07	252.57	120.53	112.00
2019Q3	127.27	251.77	109.45	98.61
2019Q4	153.03	251.27	115.74	108.86

\*Average index of gold, nickel, and copper.

\*\*IMF data unavailable, so US Federal Reserve PPI used instead.

\*\*\*Average index of oil and gas.



**GDP Breakdown (in million PHP, 2018=100)**

	<b>REST OF GDP</b>	<b>REST OF INDUSTRY</b>	<b>N=</b>	<b>MAQ</b>	<b>% Change</b>	<b>TOTAL GDP</b>	<b>% Change</b>
<b>2000</b>	4,752,051	2,178,911	1	56,452		6,985,383	
<b>2001</b>	4,935,171	2,182,088	2	54,421	-3.60%	7,198,384	3.05%
<b>2002</b>	5,119,511	2,254,704	3	81,125	49.07%	7,465,894	3.72%
<b>2003</b>	5,382,806	2,375,938	4	91,679	13.01%	7,845,677	5.09%
<b>2004</b>	5,789,672	2,472,063	5	86,933	-5.18%	8,361,078	6.57%
<b>2005</b>	6,073,040	2,605,742	6	99,343	14.28%	8,774,325	4.94%
<b>2006</b>	6,438,705	2,693,053	7	95,543	-3.83%	9,240,804	5.32%
<b>2007</b>	6,902,564	2,833,391	8	109,046	14.13%	9,843,239	6.52%
<b>2008</b>	7,169,304	2,979,453	9	107,284	-1.62%	10,270,878	4.34%
<b>2009</b>	7,361,981	2,924,253	10	122,121	13.83%	10,419,633	1.45%
<b>2010</b>	7,825,838	3,224,635	11	133,399	9.24%	11,183,861	7.33%
<b>2011</b>	8,203,551	3,283,798	12	133,388	-0.01%	11,615,360	3.86%
<b>2012</b>	8,742,356	3,543,200	13	128,011	-4.03%	12,416,466	6.90%
<b>2013</b>	9,330,125	3,775,008	14	130,910	2.26%	13,254,644	6.75%
<b>2014</b>	9,877,175	4,070,283	15	149,511	14.21%	14,096,047	6.35%
<b>2015</b>	10,497,517	4,336,583	16	148,589	-0.62%	14,990,907	6.35%
<b>2016</b>	11,201,334	4,701,277	17	156,807	5.53%	16,062,676	7.15%
<b>2017</b>	11,973,396	5,039,260	18	160,065	2.08%	17,175,978	6.93%
<b>2018</b>	12,682,665	5,413,668	19	163,322	2.03%	18,265,190	6.34%
<b>2019</b>	13,494,882	5,750,929	20	168,857	3.39%	19,382,751	6.12%
				<b>MAQ</b>		<b>GDP</b>	
				<b>AAGR</b>	6.54%		5.53%
				<b>CAGR</b>	5.63%		5.24%

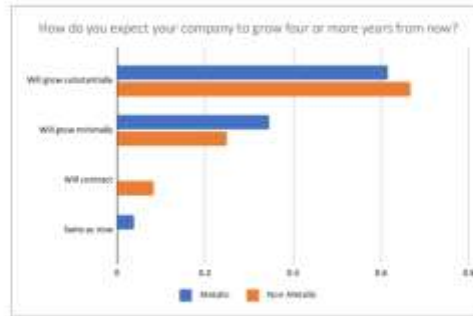
Ex-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)

How do you expect your company to grow 4 or more years from now?

	Metallic	Non-Metallic
Same as now	1	0
Will contract	0	1
Will grow minimally	9	3
Will grow substantially	16	8

N= 26 12

	Metallic	Non-Metallic
Same as now	4%	0%
Will contract	0%	8%
Will grow minimally	35%	25%
Will grow substantially	62%	67%



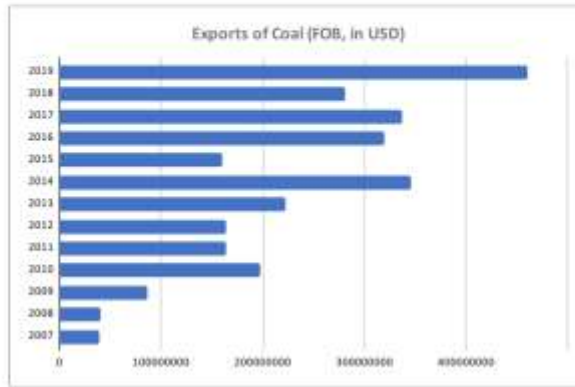
Exports of Commodities (FOB, in '000 USD)

	N=	COPPER CONCENTRATES	GOLD	PETROLEUM PRODUCTS	N=	IRON ORE AGGLOMERATES	CHROMIUM ORE	OTHER MINERAL PRODUCTS	N=	NICKEL
2000	1	28,401.66	184,926.01	371,757.22	-	-	3,108.92	122,899.47	-	-
2001	2	10,318.07	94,491.38	200,939.84	-	-	2,393.96	112,116.83	-	-
2002	3	12,791.71	101,841.49	316,226.71	-	-	1,791.12	120,885.30	-	-
2003	4	12,319.40	117,428.78	536,140.08	1	63,321.72	-	-	-	-
2004	5	14,260.72	48,661.16	380,441.58	2	82,748.00	-	-	-	-
2005	6	36,901.68	49,858.21	585,747.84	3	110,033.17	-	-	-	-
2006	7	84,176.97	227,408.11	918,292.66	4	153,073.80	-	-	-	-
2007	8	137,077.77	266,937.10	1,108,682.59	5	171,820.83	-	-	-	-
2008	9	133,690.58	437,854.81	1,240,162.24	6	113,660.04	-	-	-	-
2009	10	149,516.49	250,122.89	292,954.26	7	91,691.14	-	-	-	-
2010	11	260,781.17	187,432.25	371,162.45	8	109,725.73	-	-	-	-
2011	12	337,469.09	436,001.31	647,749.09	9	62,684.04	8,319.91	783,816.50	-	-
2012	13	244,187.57	504,912.69	465,046.72	10	86,034.09	8,302.99	988,748.08	1	1.49
2013	14	443,473.36	332,818.15	843,158.52	11	113,497.58	15,209.49	1,865,263.02	2	68.29
2014	15	568,696.42	238,592.26	445,716.91	12	118,747.20	5,552.70	2,644,627.32	3	-
2015	16	598,941.42	355,248.75	313,835.89	13	116,811.94	4,315.21	1,397,323.32	4	-
2016	17	526,527.76	535,207.98	282,111.64	14	106,743.69	6,419.35	1,049,761.51	5	-
2017	18	370,250.77	1,227,472.65	395,621.06	15	61,245.32	6,948.41	1,349,349.94	6	64.93
2018	19	616,067.00	1,087,901.54	494,018.33	16	64,631.38	7,997.45	1,130,301.23	7	-
2019	20	552,577.44	1,367,980.99	225,567.86	17	14,264.63	7,673.97	1,468,405.06	8	97.10
		COPPER CONCENTRATES	GOLD	PETROLEUM PRODUCTS		IRON ORE AGGLOMERATES	CHROMIUM ORE	OTHER MINERAL PRODUCTS		NICKEL
Average*		256,922.35	402,654.92	521,816.67		96,513.78	6,502.79	1,086,124.80		57.95
CAGR		16.00%	10.52%	-2.48%		-8.39%	4.62%	13.20%		68.63%

\*per available year

**Exports of Coal (FOB in USD)**

		% Change	N=
2007	38,599,185		1
2008	40,330,957	4.49%	2
2009	86,056,872	113.38%	3
2010	197,301,898	129.27%	4
2011	163,853,554	-16.95%	5
2012	163,781,276	-0.04%	6
2013	222,768,289	36.02%	7
2014	345,654,375	55.16%	8
2015	159,808,567	-53.77%	9
2016	319,648,302	100.02%	10
2017	337,382,250	5.55%	11
2018	281,013,208	-16.71%	12
2019	460,551,700	63.89%	13
<b>AAGR</b>		35.02%	
<b>CAGR</b>		21.01%	



2019 Exports Destinations of MAQ Commodities (FOB in USD)

Hong Kong	1,007,218,945	
People's Republic of China	882,572,423	
Japan	821,108,884	
Switzerland	336,118,909	
Canada	113,700,958	
Singapore	107,944,389	
India	102,941,239	
Malaysia	92,838,009	
Republic of Korea	70,672,046	
Australia	27,445,327	
Taiwan	23,614,177	
Vietnam	14,880,544	
Indonesia	10,591,462	
Bangladesh	9,067,183	
Thailand, etc.	15,852,548	
Thailand	6,408,239	
Pakistan, Islamic Rep. of	5,549,237	
Belgium	2,280,427	
United States of America	738,377	
Cambodia	283,166	
United Kingdom	109,029	
Sri Lanka (Ceylon)	93,567	
Saudi Arabia	79,836	
Germany	60,993	
Papua New Guinea	49,788	
Italy	41,314	
United Arab Emirates, N.E.S.	31,112	
France	27,875	
Lao People's Democratic Republic (Laos)	27,021	
Spain	19,824	
Brunei Darussalam	14,722	
Afghanistan	11,939	
Mexico	11,165	
New Zealand	5,000	
Poland	4,408	
Syrian Arab Republic	3,200	
Turkey	2,204	
Netherlands	105	

Quarterly Indices on MAQ Employment (2016=100)

		N=	DIFFERENCES			
			With Q1	With Q3	Q3 with Q4	With Q4
2000Q1	108.2	1				
2000Q2	338.73	2	213.06%			
2000Q3	93.3	3		-72.46%		
2000Q4	124.31	4			33.33%	-63.30%
2001Q1	101.14	5	Q2 Change			
2001Q2	312.97	6	-7.60%	209.44%		
2001Q3	87.24	7		-72.13%		
2001Q4	118.56	8			14.29%	-62.12%
2002Q1	95.52	9				
2002Q2	281.02	10	-10.21%	194.20%		
2002Q3	127.22	11		-54.73%		
2002Q4	122.07	12			9.09%	-56.56%
2003Q1	92.36	13				
2003Q2	288.69	14	2.73%	212.57%		
2003Q3	141.58	15		-50.96%		
2003Q4	117.74	16			6.67%	-59.22%
2004Q1	89.41	17				
2004Q2	236.78	18	-17.98%	164.82%		
2004Q3	144.72	19		-38.88%		
2004Q4	93.7	20			5.26%	-60.43%
2005Q1	93.58	21				
2005Q2	235.87	22	-0.38%	152.05%		
2005Q3	129.3	23		-45.18%		
2005Q4	96.07	24			4.35%	-59.27%
2006Q1	96.04	25				
2006Q2	271.52	26	15.11%	182.72%		
2006Q3	148.38	27		-45.35%		
2006Q4	103.09	28			3.70%	-62.03%
2007Q1	100.56	29				
2007Q2	293.03	30	7.92%	191.40%		
2007Q3	151.42	31		-48.33%		
2007Q4	97	32			3.23%	-66.90%
2008Q1	91.43	33				
2008Q2	270.46	34	-7.70%	195.81%		
2008Q3	129.43	35		-52.14%		
2008Q4	68.3	36			2.86%	-74.75%
2009Q1	90.22	37				
2009Q2	208.8	38	-22.80%	131.43%		
2009Q3	105.92	39		-49.27%		
2009Q4	55.99	40			2.56%	-73.18%
2010Q1	93.42	41				
2010Q2	156.18	42	-25.20%	67.18%		
2010Q3	91.97	43		-41.11%		

2010Q4	51.77	44				2.33%	-66.85%
2011Q1	85.38	45					
2011Q2	137.01	46	-12.27%	60.47%			
2011Q3	72.87	47			-46.81%		
2011Q4	50.52	48				2.13%	-63.13%
2012Q1	85.92	49					
2012Q2	157.69	50	15.09%	83.53%			
2012Q3	83.84	51			-46.83%		
2012Q4	52.38	52				1.96%	-66.78%
2013Q1	96.19	53					
2013Q2	162.61	54	3.12%	69.05%			
2013Q3	81.43	55			-49.92%		
2013Q4	54.6	56				1.82%	-66.42%
2014Q1	85.11	57					
2014Q2	186.04	58	14.41%	118.59%			
2014Q3	83.35	59			-55.20%		
2014Q4	57.53	60				1.69%	-69.08%
2015Q1	87.97	61					
2015Q2	189.98	62	2.12%	115.96%			
2015Q3	85.3	63			-55.10%		
2015Q4	54.31	64				1.59%	-71.41%
2016Q1	82.19	65					
2016Q2	182.07	66	-4.16%	121.52%			
2016Q3	82.99	67			-54.42%		
2016Q4	52.75	68				1.49%	-71.03%
2017Q1	77.57	69					
2017Q2	179.7	70	-1.30%	131.66%			
2017Q3	86.45	71			-51.89%		
2017Q4	53.19	72				1.41%	-70.40%
2018Q1	73.61	73					
2018Q2	167.56	74	-6.76%	127.63%			
2018Q3	83.92	75			-49.92%		
2018Q4	50.85	76				1.33%	-69.65%
2019Q1	74.59	77					
2019Q2	169.67	78	1.26%	127.47%			
2019Q3	80.65	79			-52.47%		
2019Q4	50.75	80				1.27%	-70.09%
2020Q1	70.36	81					
2020Q2	150.52	82	-11.29%				
CAGR till 2019Q4			-0.94%				
CAGR till 2020Q2			0.40%				

**Q1 to Q2 average growth**

143.53%

**Q2 to Q3 average growth**

-51.65%

**Q3 to Q4 average growth**

102.35%

**Q2 vs. Q4**

-66.13%

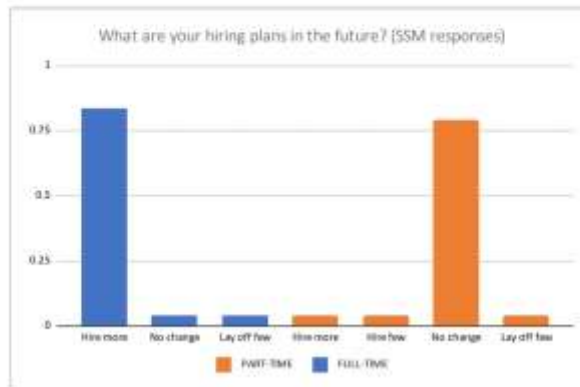


Ex-Pandemic Qualitative Survey (SSM)

What are your hiring plans in the future?

	FULL-TIME	PART-TIME
Hire more	20	
No change	1	
Lay off few	1	
Hire more		1
Hire few		1
No change		19
Lay off few		1
No Response= 2		
N= 24		

	FULL-TIME	PART-TIME
Hire more	83%	
No change	4%	
Lay off few	4%	
Hire more		4%
Hire few		4%
No change		79%
Lay off few		4%



Quarterly Index on Gross Revenue by Sector (2010=100)

		METALLIC		NON-METALLIC		Oil (also for gas)		OTHER NON-METALLIC (for coal)		MAQ	
		% Change		% Change		% Change		% Change		% Change	
2000	2000Q1	15.88	18.07		0.07				88.02	1	15.83
	2000Q2	23.2	11.54		-28.25%	0.16	128.57%	8.34	-91.57%	2	18.55
	2000Q3	34.35	16.82		-5.88%	1.84	1112.50%	2.83	-66.07%	8	27.36
	2000Q4	42.87	8		-52.44%	2.53	30.41%	2.38	-15.90%	4	28.98
2001	2001Q1	14.00	14.88		80.00%	4.75	87.75%	70.83	3212.18%	5	14.95
	2001Q2	29.76	12.22		-17.88%	5.86	23.37%	4.49	-94.30%	6	22.77
	2001Q3	35.38	13.88		11.95%	7.28	24.23%	1.36	-69.73%	7	26.72
	2001Q4	34.83	7.78		-43.13%	1.83	-77.34%	2.88	85.50%	8	24.04
2002	2002Q1	20.38	68.22		776.86%	88.72	5276.97%	86.91	3167.28%	9	28.46
	2002Q2	29.85	34.66		-48.90%	40.87	-53.93%	9.29	-89.33%	10	31.85
	2002Q3	44.53	33.09		-5.08%	48.53	18.69%	2.43	-75.84%	11	40.23
	2002Q4	44.71	13.46		-59.32%	9.79	-79.82%	2.9	-18.34%	12	32.25
2003	2003Q1	24.97	42.17		213.10%	85.27	401.12%	72.67	2416.23%	13	31.83
	2003Q2	35.68	41.15		-2.42%	55.41	38.01%	11.99	-83.57%	14	37.88
	2003Q3	57.63	67.08		63.01%	101.86	240.50%	2.4	-79.80%	15	61.4
	2003Q4	66.36	35.53		-47.03%	66.87	-63.17%	2.35	-2.08%	16	54.07
2004	2004Q1	27.88	58.81		63.52%	64.26	-4.05%	97.29	4040.00%	17	40.21
	2004Q2	33.44	45.72		-92.26%	67.86	5.60%	8.56	-91.30%	18	38.34
	2004Q3	62.55	69.73		32.52%	158.27	131.23%	5.31	-37.07%	19	65.41
	2004Q4	71.24	29.24		-58.07%	47.24	-95.15%	4.39	-17.33%	20	54.49
2005	2005Q1	27.07	66.78		128.19%	70.35	48.92%	119.58	2673.92%	21	42.9
	2005Q2	90.47	63.65		-4.88%	83.8	31.33%	12.52	-89.53%	22	55.72
	2005Q3	75.77	88.6		54.93%	203.38	202.09%	4	-68.05%	23	85.48
	2005Q4	70.21	48.69		-90.62%	87.26	69.21%	7.02	75.50%	24	61.83
2006	2006Q1	35.93	73.33		54.71%	83.53	-4.21%	128.38	1728.77%	25	51.84
	2006Q2	68.56	89.23		-8.10%	101.59	21.53%	13.94	-89.14%	26	68.83
	2006Q3	87.47	106.51		53.85%	309.06	204.22%	3.58	-74.23%	27	95.86
	2006Q4	92.32	34.96		-67.18%	61.42	40.13%	3.37	-4.13%	28	69.45
2007	2007Q1	57.93	83.64		139.24%	95.24	53.06%	121.23	3497.23%	29	68.28
	2007Q2	112.51	79.67		-4.38%	105.78	11.05%	21.92	-81.92%	30	99.77
	2007Q3	115.9	96.41		20.56%	365.21	156.77%	4.25	-80.63%	31	108.13
	2007Q4	102.57	40.6		-57.80%	74.05	-72.08%	4.34	-0.24%	32	77.86
2008	2008Q1	56.57	84.07		107.07%	94.5	27.62%	158.02	3626.89%	33	67.51
	2008Q2	75.7	86.59		3.80%	123.03	30.19%	21.25	-86.55%	34	80.04
	2008Q3	106.6	130.81		51.18%	373.95	201.96%	5.49	-74.16%	35	116.3
	2008Q4	93.39	56.21		-57.20%	103.67	-72.28%	5.49	0.00%	36	78.56
2009	2009Q1	53.83	88.58		57.59%	85.69	-17.34%	254.36	4533.15%	37	67.69
	2009Q2	67.95	82.99		-6.31%	116.04	35.42%	20.72	-91.85%	38	73.95
	2009Q3	154.74	122.58		47.70%	332.77	186.77%	5.70	-72.06%	39	141.92
	2009Q4	106.86	66.47		-49.77%	115.51	-54.09%	6.05	4.49%	40	126.83
2010	2010Q1	65.42	90.94		86.81%	85.41	-18.53%	133	8751.24%	41	75.6
	2010Q2	134.07	97.93		7.69%	123.07	44.09%	31.31	-86.48%	42	120.2
	2010Q3	177.36	136.02		38.90%	338.27	174.80%	8.58	-72.77%	43	160.88
	2010Q4	221.18	64.36		-52.68%	110.83	67.50%	8.81	-4.08%	44	158.05
2011	2011Q1	102.7	129.1		100.00%	115.81	4.68%	438.79	8812.89%	45	113.23
	2011Q2	177.88	117.53		-8.85%	143.27	23.71%	43.01	-89.90%	46	153.07
	2011Q3	199.77	199.01		34.83%	385.89	167.90%	11.39	-74.06%	47	147.44
	2011Q4	133.42	64.9		-59.18%	106.46	-72.27%	9.79	-14.05%	48	106.09
2012	2012Q1	68.18	120.88		88.41%	110.12	3.46%	346.72	3441.57%	49	88.03
	2012Q2	133.18	115.71		-6.01%	127.71	25.97%	45.83	-86.84%	50	125.42
	2012Q3	124.65	121.87		7.26%	303.58	135.36%	9.03	-86.79%	51	123.58
	2012Q4	100.62	67.5		-44.66%	110.12	-61.36%	8.06	33.67%	52	87.41
2013	2013Q1	58.54	108.01		60.01%	110.73	0.55%	134.3	1318.13%	53	78.36
	2013Q2	119.03	99.09		-8.26%	108.08	-2.39%	39.88	-65.28%	54	111.08
	2013Q3	129.9	134.39		35.67%	304.79	182.00%	8.77	-77.90%	55	131.69
	2013Q4	120.56	81.29		-54.18%	83.34	-72.66%	11.51	31.24%	56	96.92
2014	2014Q1	86.42	140.55		129.28%	124.3	49.15%	375.39	3163.16%	57	95.97
	2014Q2	147.52	111.02		-21.00%	124.73	0.55%	43.09	-88.53%	58	132.97
	2014Q3	165.74	113.32		3.87%	227.49	82.39%	8.86	-79.44%	59	145.64
	2014Q4	119.48	64.66		-43.93%	90.2	-56.39%	4.15	-53.18%	60	97.62
2015	2015Q1	65.06	102.39		59.90%	67.75	-31.70%	323.36	7088.89%	61	80.35
	2015Q2	119.15	74.34		-28.10%	75.51	11.45%	27.94	-91.35%	62	101.28
	2015Q3	126.61	102.2		37.48%	191.78	153.98%	7.29	-74.27%	63	116.88
	2015Q4	101.77	64.62		-36.77%	85.29	-86.62%	11.05	53.89%	64	88.96
2016	2016Q1	65.55	111.04		71.84%	81.67	-1.83%	337.29	2952.40%	65	83.89
	2016Q2	107.68	75.7		-31.83%	81.33	-0.42%	24.64	-92.60%	66	94.83
	2016Q3	121.31	142.83		88.88%	162.95	100.36%	21.21	-13.92%	67	129.89
	2016Q4	105.46	70.43		-50.68%	75.06	-54.50%	16.86	-20.51%	68	91.49
2017	2017Q1	83.84	120.99		71.79%	72.79	-1.71%	474.93	2716.90%	69	86.89
	2017Q2	107.4	113.55		-4.15%	94.74	30.16%	30.42	-87.49%	70	108.80
	2017Q3	128.3	187.65		65.26%	227.78	140.43%	28.27	-52.42%	71	150.76
	2017Q4	123.21	84.81		-55.34%	97.86	-57.04%	16.62	-81.23%	72	107.96
2018	2018Q1	64.22	157.37		87.77%	105.96	3.28%	607.88	3557.52%	73	101.37
	2018Q2	114.29	111.17		-16.65%	111.64	5.38%	97.56	-88.89%	74	121.08
	2018Q3	144.28	174.57		33.09%	355.13	128.51%	20.44	-69.75%	75	156.36
	2018Q4	111.14	97.59		-44.10%	108	67.67%	22.35	9.34%	76	105.74
2019	2019Q1	69.09	199.54		83.48%	109.3	1.39%	950.49	2361.04%	77	105.13
	2019Q2	119.3	139.87		-14.84%	118.83	8.52%	68.81	-87.59%	78	125.9
	2019Q3	147.73	149.45		9.99%	210.94	77.53%	16.36	-76.27%	79	148.41
	2019Q4	113.19	90.76		-39.26%	92.38	-56.21%	15.04	-8.07%	80	104.26
2020	Q1	52.23	127.96		-40.96%	68.92	25.40%	346.97	2206.98%	81	82.44
	Q2	98.03	77.25		-39.64%	56.36	-18.22%	51.5	-85.16%	82	89.74

CAGR pre-pandemic	2.50%	2.19%		9.40%		-2.83%	1.39%
CAGR post-pandemic	2.26%	1.93%		8.50%		-0.79%	1.54%
AAGR until 2029		13.96%	23.46%		111.04%	780.12%	6.89%
Q2 2019 vs. Q2 2020		-17.83%	-43.14%		-52.57%	-25.16%	-28.72%
	<b>MAQ</b>	<b>Metallic Mining</b>	<b>Non-Metallic Mining</b>	<b>Oil (and Gas)</b>	<b>Coal (other non-metallic)</b>		
CAGR pre-pandemic	2.50%	2.50%	2.19%	9.40%	-2.53%		
CAGR post-pandemic	2.14%	2.16%	1.93%	8.50%	-0.79%		
AAGR until 2029	6.89%	13.96%	23.46%	111.04%	780.12%		
Q2 2019 vs. Q2 2020	-20.72%	-17.83%	-43.14%	-52.57%	-25.16%		

**Cumulative Number of COVID-19 Positive Cases (1 January 2020 - 30 June 2020)**

<b>WORLD</b>	10,457,929
<b>Europe</b>	2,409,237
<b>North America</b>	3,099,966
<b>Oceania</b>	9,477
<b>South America</b>	2,228,423
<b>Africa</b>	388,152
<b>Asia</b>	2,058,031
<b>Rest of the World</b>	264,643

**Cumulative Number of COVID-19 Positive Cases (Philippines, 30 January 2020 - 30 June 2020)**

<b>date</b>	<b>total_cases</b>
2020-01-30	1
2020-01-31	1
2020-02-01	1
2020-02-02	2
2020-02-03	2
2020-02-04	2
2020-02-05	2
2020-02-06	2
2020-02-07	3
2020-02-08	3
2020-02-09	3
2020-02-10	3
2020-02-11	3
2020-02-12	3
2020-02-13	3
2020-02-14	3
2020-02-15	3
2020-02-16	3
2020-02-17	3
2020-02-18	3
2020-02-19	3
2020-02-20	3
2020-02-21	3
2020-02-22	3
2020-02-23	3
2020-02-24	3
2020-02-25	3
2020-02-26	3
2020-02-27	3
2020-02-28	3
2020-02-29	3
2020-03-01	3
2020-03-02	3
2020-03-03	3
2020-03-04	3
2020-03-05	3
2020-03-06	5
2020-03-07	6
2020-03-08	10
2020-03-09	20
2020-03-10	33
2020-03-11	49
2020-03-12	52
2020-03-13	64

2020-03-14	111
2020-03-15	140
2020-03-16	142
2020-03-17	187
2020-03-18	202
2020-03-19	217
2020-03-20	230
2020-03-21	307
2020-03-22	380
2020-03-23	462
2020-03-24	552
2020-03-25	636
2020-03-26	707
2020-03-27	803
2020-03-28	1075
2020-03-29	1418
2020-03-30	1546
2020-03-31	2084
2020-04-01	2311
2020-04-02	2633
2020-04-03	3018
2020-04-04	3094
2020-04-05	3246
2020-04-06	3660
2020-04-07	3764
2020-04-08	3870
2020-04-09	4076
2020-04-10	4195
2020-04-11	4428
2020-04-12	4648
2020-04-13	4932
2020-04-14	5223
2020-04-15	5453
2020-04-16	5660
2020-04-17	5878
2020-04-18	6087
2020-04-19	6259
2020-04-20	6459
2020-04-21	6599
2020-04-22	6710
2020-04-23	6981
2020-04-24	7192
2020-04-25	7294
2020-04-26	7579
2020-04-27	7777
2020-04-28	7958

2020-04-29	8212
2020-04-30	8488
2020-05-01	8772
2020-05-02	8928
2020-05-03	9223
2020-05-04	9485
2020-05-05	9684
2020-05-06	10004
2020-05-07	10343
2020-05-08	10463
2020-05-09	10610
2020-05-10	10794
2020-05-11	11086
2020-05-12	11350
2020-05-13	11618
2020-05-14	11876
2020-05-15	12091
2020-05-16	12305
2020-05-17	12513
2020-05-18	12718
2020-05-19	12942
2020-05-20	13221
2020-05-21	13434
2020-05-22	13597
2020-05-23	13777
2020-05-24	14035
2020-05-25	14319
2020-05-26	14669
2020-05-27	15049
2020-05-28	15588
2020-05-29	16634
2020-05-30	17224
2020-05-31	18086
2020-06-01	18638
2020-06-02	18997
2020-06-03	19748
2020-06-04	20382
2020-06-05	20626
2020-06-06	21340
2020-06-07	21895
2020-06-08	22474
2020-06-09	22992
2020-06-10	23732
2020-06-11	24175
2020-06-12	24787
2020-06-13	25392

2020-06-14	25930
2020-06-15	26420
2020-06-16	26781
2020-06-17	27238
2020-06-18	27799
2020-06-19	28459
2020-06-20	29400
2020-06-21	30052
2020-06-22	30682
2020-06-23	31825
2020-06-24	32295
2020-06-25	33069
2020-06-26	34073
2020-06-27	34803
2020-06-28	35455
2020-06-29	36438
2020-06-30	37514



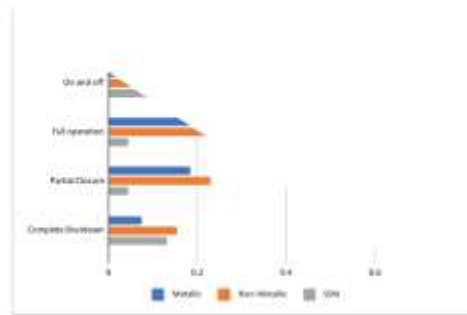
Peri-Pandemic Qualitative Survey (Metallic Mining, Non-Metallic, and SSM)

How did the community quarantine affect your operations?

	Metallic	Non-Metallic	SSM
Complete Shutdown	2	2	3
Partial Closure	5	3	1
Full operation	15	4	1
On and off	5	4	18
	N= 27	13	23*

\*1 had no response

	Metallic	Non-Metallic	SSM
Complete Shutdown	7%	15%	13%
Partial Closure	19%	23%	4%
Full operation	56%	31%	4%
On and off	19%	31%	78%



GDP by Industry (at Current Prices, in million PHP)

	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	2019Q2	2019Q3	2019Q4	2020Q1	2020Q2
Agriculture, Forestry, and Fishing	429,666	406,441	396,871	329,639	421,152	395,969	391,664	513,406	442,836	424,212
Industry	1,275,598	1,381,005	1,283,471	1,642,451	1,373,465	1,427,878	1,336,001	1,748,956	1,309,357	1,134,753
<b>MANUFACTURING</b>	40,944	41,319	40,110	38,530	42,484	45,149	37,032	37,161	33,503	31,869
Services	2,395,275	2,781,346	2,769,870	2,972,958	2,628,334	3,033,414	3,003,344	3,243,814	2,667,101	2,571,588
<b>GROSS DOMESTIC PRODUCT</b>	<b>4,101,138</b>	<b>4,568,792</b>	<b>4,450,213</b>	<b>5,145,048</b>	<b>4,422,951</b>	<b>4,857,262</b>	<b>4,729,028</b>	<b>5,507,177</b>	<b>4,449,293</b>	<b>4,130,553</b>

Commodity Price Indices (2016=100)

Commodity	Crude Oil Crude Oil (petroleum), Price Index, 2016 = 100, simple	Natural Gas Natural Gas Price Index, 2016 = 100, includes European, Japanese, and American Natural Gas Price Indices	Coal Coal Price Index, 2016 = 100, includes Australian and South African Coal	Base Metals Base Metals Price Index, 2016 = 100, includes Aluminum, Cobalt, Copper, Iron Ore, Lead, Molybdenum, Nickel, Tin, Uranium and Zinc Price Indices	Precious Metals Precious Metals Price Index, 2016 = 100, includes Gold, Silver, Palladium and Platinum Price Indices	
Commodity Description	Average of three spot prices: Dated Brent, West Texas Intermediate, and the Dubai Fateh					
Data Type	Index	Index	Index	Index	Index	
2016M1	149.22	149.22	155.09	155.44	136.61	107.90
2016M2	141.91	141.91	142.85	152.57	137.62	107.43
2016M3	143.34	143.34	139.09	146.08	132.47	106.60
2016M4	153.89	153.89	124.49	144.06	133.89	107.17
2016M5	167.08	167.08	132.98	157.78	134.35	104.85
2016M6	165.24	165.24	143.58	167.89	135.31	103.31
2016M7	167.92	167.92	140.46	172.74	126.91	99.58
2016M8	185.28	185.28	149.06	164.69	125.10	96.56
2016M9	174.69	174.69	162.72	163.48	124.52	96.50
2016M10	179.06	179.06	154.85	158.98	127.68	96.20
2016M11	146.29	146.29	161.98	147.78	125.88	98.82
2016M12	126.08	126.08	153.36	150.03	123.09	101.06
2016M1	131.42	131.42	133.18	145.34	124.92	104.84
2016M2	142.53	142.53	111.27	135.11	134.63	107.45
2016M3	148.88	148.88	102.54	128.62	136.34	106.38
2016M4	160.45	160.45	98.21	116.65	130.58	104.85
2016M5	157.12	157.12	91.08	114.94	126.83	104.08
2016M6	139.92	139.92	78.39	104.39	141.34	109.87
2016M7	144.43	144.43	78.89	106.29	147.53	114.48
2016M8	138.17	138.17	73.99	95.41	133.36	120.67
2016M9	142.33	142.33	80.85	94.13	134.73	122.84
2016M10	135.05	135.05	83.54	101.83	152.00	121.84
2016M11	142.60	142.60	96.16	109.96	136.89	120.13
2016M12	148.22	148.22	87.37	114.81	131.21	121.18
2020M1	145.14	145.14	76.92	119.18	153.35	129.02
2020M2	126.53	126.53	81.64	114.74	126.00	132.72
2020M3	76.22	76.22	60.00	101.16	120.11	128.84
2020M4	60.45	60.45	46.70	87.55	115.19	135.15
2020M5	72.25	72.25	43.63	80.47	121.64	137.30
2020M6	82.83	82.83	43.38	81.57	132.11	139.11

Gross Value Added in Mining and Quarrying by Industry, Implicit Price Index

	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	2019Q2	2019Q3	2019Q4	2020Q1	2020Q2
..Mining of coal	76.4	113	234.5	57.3	67.2	75.8	127	37.3	47.9	49.1
..Extraction of crude petroleum and natural gas	129.3	55.4	360.9	133.4	129.9	53.9	145.5	123.5	88.8	29.6
..Mining of gold ores and other precious metals	102.3	100	104.3	93.2	100.2	101.6	129.1	114.8	141.6	160.5
..Mining of nickel ores	129.9	89.1	98.8	103.7	115.5	83.2	111.9	134.9	122.4	88.9
..Mining of copper ores	43.3	194.8	136.6	204.2	41.1	187.4	140.8	209.4	34	155.1
..Stone quarrying, and other mining and quarrying	92.6	106.2	134.3	85.5	101.2	98.7	125.8	89.7	109.4	109
Gross Value Added in Mining and Quarrying	93.2	87.5	134.5	97.1	93.6	79.5	128.1	97.5	93.4	72.6

**Pre-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)**

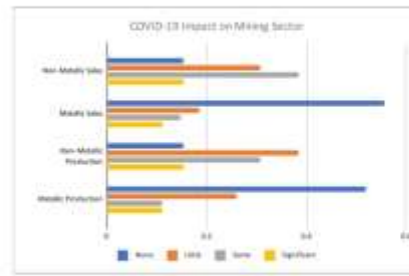
What kind of effect did the pandemic have on you production and sales?

	Metallic Production	Non-Metallic Production	Metallic Sales	Non-Metallic Sales
None	14	2	15	2
Little	7	5	5	4
Some	3	4	4	5
Significant	1	2	3	2

N(metallic)= 27

N(non-metallic)= 13

	Metallic Production	Non-Metallic Production	Metallic Sales	Non-Metallic Sales
None	52%	15%	56%	15%
Little	26%	38%	19%	31%
Some	11%	31%	15%	38%
Significant	11%	15%	11%	15%



**Exports of Goods (2018=100, in million PHP)**

		<b>% Change</b>	<b>N=</b>
<b>2000</b>	1,451,002		<b>1</b>
<b>2001</b>	1,308,672	-9.81%	<b>2</b>
<b>2002</b>	1,309,836	0.09%	<b>3</b>
<b>2003</b>	1,421,459	8.52%	<b>4</b>
<b>2004</b>	1,461,013	2.78%	<b>5</b>
<b>2005</b>	1,482,008	1.44%	<b>6</b>
<b>2006</b>	1,613,205	8.85%	<b>7</b>
<b>2007</b>	1,652,055	2.41%	<b>8</b>
<b>2008</b>	1,647,293	-0.29%	<b>9</b>
<b>2009</b>	1,481,405	-10.07%	<b>10</b>
<b>2010</b>	1,769,189	19.43%	<b>11</b>
<b>2011</b>	1,697,601	-4.05%	<b>12</b>
<b>2012</b>	1,901,720	12.02%	<b>13</b>
<b>2013</b>	1,817,413	-4.43%	<b>14</b>
<b>2014</b>	2,058,273	13.25%	<b>15</b>
<b>2015</b>	2,132,561	3.61%	<b>16</b>
<b>2016</b>	2,307,014	8.18%	<b>17</b>
<b>2017</b>	2,725,527	18.14%	<b>18</b>
<b>2018</b>	3,081,897	13.08%	<b>19</b>
<b>2019</b>	3,116,492	1.12%	<b>20</b>
<b>2020</b>	2,849,277	-8.57%	<b>-9.70% 21</b>
<b>AAGR till 2019</b>	<b>4.44%</b>		
<b>CAGR till 2019</b>	<b>3.90%</b>		
<b>CAGR till 2020</b>	<b>3.27%</b>		

**Exports of Goods (FOB in million USD)**

		<b>% Change</b>
<b>Jan-Mar 2018</b>	16,906,391,406	
<b>Jan-Mar 2019</b>	16,575,519,078	-1.96%
<b>Jan-Mar 2020</b>	15,732,240,646	-5.09%
<b>Apr-May 2018</b>	17,490,354,081	
<b>Apr-May 2019</b>	18,001,746,366	2.92%
<b>Apr-May 2020</b>	12,748,891,537	-29.18%

Top 20 Export Destinations (FOB in '000 USD) and 2020 COVID-19 Statistics

Export Rank		2019	2020	No. of Cumulative COVID-19 Positive Cases
1	Japan	10,674,916.70	9,897,221.05	217,312
2	USA	11,566,730.41	9,707,281.12	18,648,989
3	China	9,814,427.52	9,593,520.57	96,324
4	Hong Kong	9,624,897.42	9,092,588.24	96,324
5	Singapore	3,831,791.66	3,757,420.27	58,519
6	Thailand	2,972,480.23	2,881,970.99	6,020
7	South Korea	3,240,829.68	2,525,504.52	56,872
8	Germany	2,723,243.71	2,366,952.58	1,640,858
9	Taiwan	2,253,461.47	2,055,625.03	96,324
10	Netherlands	2,266,052.62	1,892,671.32	754,171
11	Malaysia	1,825,274.25	1,742,801.31	103,900
12	Vietnam	1,269,635.64	1,272,467.54	1,440
13	India	545,445.46	547,982.78	10,187,850
14	Mexico	672,266.38	545,240.90	1,372,243
15	France	801,573.88	472,117.93	2,507,532
16	Indonesia	829,016.23	453,439.80	706,837
17	Switzerland	417,289.15	450,295.52	426,199
18	UK	506,037.44	404,575.66	2,256,009
19	Canada	621,071.60	390,125.46	539,298
20	Australia	398,099.78	356,937.18	28,296
	<b>TOTAL</b>	<b>66,854,541.22</b>	<b>60,406,739.75</b>	
		<b>% Change</b>	<b>-9.64%</b>	

**MAQ Exports (FOB in million USD)**

	<b>2019</b>	<b>2020</b>	<b>% Change</b>
<b>Copper Concentrates</b>	552,577.44	159,175.98	-71.19%
<b>Copper Metal</b>	1,252,814.61	1,434,415.47	14.50%
<b>Gold</b>	900,620.83	874,418.51	-2.91%
<b>Iron Ore Agglomerates</b>	14,264.63	153,714.21	977.59%
<b>Chromium Ore</b>	7,673.97	6,678.75	-12.97%
<b>Other Mineral Products</b>	1,947,034.67	2,353,943.38	20.90%
<b>Petroleum Products</b>	225,567.86	177,501.24	-21.31%
<b>Nickel</b>	97.00	n.a.	
<b>TOTAL</b>	<b>4,900,650.99</b>	<b>5,159,847.53</b>	<b>5.29%</b>



Quarterly Indices on Compensation per Employee at Constant Prices (2016=100)

	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	2019Q2	2019Q3	2019Q4	2020Q1	2020Q2
<b>Total MAQ</b>	87.20	61.05	133.07	204.06	90.10	62.27	137.59	209.36	86.18	58.56
<b>Total Metallic</b>	63.73	109.86	93.95	159.32	63.87	114.85	97.32	172.14	62.18	102.49
<b>Total Non-Metallic (including coal)</b>	214.71	39.98	581.79	343.79	226.62	40.15	579.19	334.74	229.24	37.85
<b>Crude Oil (for oil and gas)</b>	122.48	120.83	52.78	83.25	143.62	126.66	50.71	76.05	128.24	119.45

**Peri-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)**

**How has the pandemic negatively affected your activities?**

	<b>Metallic</b>	<b>Non-Metallic</b>
Lesser transparency/reporting	4	1
Delay in exploration/development plans	13	6
Cancelled exploration/development plans	1	1
One or more projects got suspended	4	7
One or more projects got shelved	4	1
Fewer benefits for workers	4	2
Decrease in exports	6	1
<b>N=</b>	<b>27</b>	<b>13</b>

	<b>Metallic</b>	<b>Non-Metallic</b>
Lesser transparency/reporting	15%	8%
Delay in exploration/development plans	48%	46%
Cancelled exploration/development plans	4%	8%
One or more projects got suspended	15%	54%
One or more projects got shelved	15%	8%
Fewer benefits for workers	15%	15%
Decrease in exports	22%	8%

Qualitative Survey on Transparency and Reporting (PH-EITI)

Number of Entities that Reported ... the Deadline

	Oil and Gas Companies	Metallic Mining Projects	Non-Metallic Mining Projects	Government Departments/Agencies	
Before	2	27	11		2
On	1	1	7		6
Past	0	11	7		0
Did Not Report	2	11	3		1
N=	5	50	28	9	

**Ex-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)**

**In terms of modern technology, which among the following have you ALREADY INVESTED in?**

	<b>Metallic</b>	<b>Non-Metallic</b>
<b>Automation</b>	6	4
<b>Artificial Intelligence</b>	1	4
<b>Wearables</b>	3	2
<b>Digital Twin</b>	3	4
<b>Internet of Things</b>	11	5
<b>N=</b>	<b>26</b>	<b>12</b>

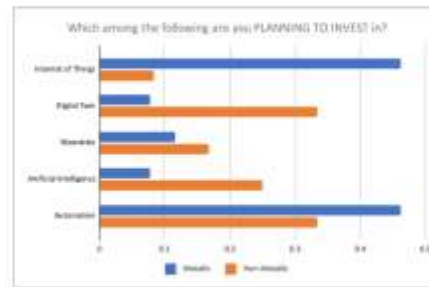
	<b>Metallic</b>	<b>Non-Metallic</b>
<b>Automation</b>	23%	33%
<b>Artificial Intelligence</b>	4%	33%
<b>Wearables</b>	12%	17%
<b>Digital Twin</b>	12%	33%
<b>Internet of Things</b>	42%	42%

**Ex-Posteriori Qualitative Survey (Metallic and Non-Metallic Mining)**

In terms of modern technology, which among the following are you **PLANNING TO INVEST** in?

	Metallic	Non-Metallic
Automation	12	4
Artificial Intelligence	2	1
Wearables	3	2
Digital Twin	2	4
Internet of Things	12	1
<b>N=</b>	<b>26</b>	<b>12</b>

	Metallic	Non-Metallic
Automation	46%	33%
Artificial Intelligence	8%	25%
Wearables	12%	17%
Digital Twin	8%	33%
Internet of Things	46%	8%



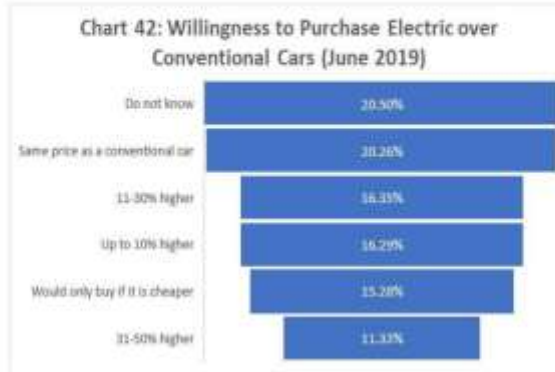
**Share of Renewable Energy\* in the Power Mix vis-à-vis Other Sources**

2000	44.31%
2001	38.65%
2002	36.98%
2003	34.76%
2004	35.02%
2005	33.63%
2006	37.35%
2007	32.85%
2008	35.21%
2009	33.85%
2010	27.44%
2011	29.87%
2012	29.64%
2013	27.56%
2014	26.75%
2015	26.54%
2016	25.29%
2017	25.66%
2018	23.98%
2019	21.34%

\*includes solar, wind, and other renewables

**Willingness to Purchase Electric over Conventional Cars (June 2019)**

Do not know	20.50%
Same price as a conventional car	20.26%
11-30% higher	16.35%
Up to 10% higher	16.29%
Would only buy if it is cheaper	15.28%
31-50% higher	11.33%



**2019 Total Energy Primary Supply Mix (in MTOE)**

<b>Net Imported Biofuels</b>	24.04
<b>Net Imported Coal</b>	1021.7
<b>Net Imported Oil</b>	1875.12
<b>Oil</b>	54.09
<b>Coal</b>	727.21
<b>Natural Gas</b>	360.6
<b>Geothermal</b>	919.53
<b>Hydro</b>	198.33
<b>Biomass</b>	775.29
<b>Biofuels</b>	36.06
<b>Wind/Solar</b>	18.03



Sources of Electricity

	Coal	Gas	Hydro	Solar	Wind	Oil	Other Renewables	No
2000	18%	22%	18%	0%	0%	15%	27%	1
2001	23%	23%	16%	0%	0%	16%	22%	2
2002	25%	22%	15%	0%	0%	16%	22%	3
2003	26%	22%	15%	0%	0%	16%	19%	4
2004	26%	23%	16%	0%	0%	16%	19%	5
2005	31%	21%	15%	0%	0%	15%	18%	6
2006	29%	19%	18%	0%	0%	14%	19%	7
2007	32%	20%	15%	0%	0%	14%	18%	8
2008	34%	18%	17%	0%	0%	13%	18%	9
2009	35%	18%	16%	0%	0%	13%	17%	10
2010	38%	20%	12%	0%	0%	14%	15%	11
2011	37%	19%	15%	0%	0%	14%	15%	12
2012	37%	19%	15%	0%	0%	14%	15%	13
2013	38%	20%	14%	0%	0%	14%	14%	14
2014	41%	19%	12%	0%	0%	13%	14%	15
2015	41%	19%	11%	0%	1%	14%	15%	16
2016	41%	20%	9%	1%	1%	14%	14%	17
2017	43%	19%	11%	1%	1%	12%	13%	18
2018	46%	19%	10%	1%	1%	11%	12%	19
2019	46%	19%	8%	1%	1%	11%	11%	20
<b>AAGR</b>	<b>34.55%</b>	<b>20.20%</b>	<b>13.82%</b>			<b>13.92%</b>	<b>16.92%</b>	
<b>CAGR</b>	<b>4.93%</b>	<b>-0.72%</b>	<b>-3.94%</b>			<b>-1.49%</b>	<b>-4.26%</b>	



**Projected Energy Demand by 2040 (in MTOE) and 23-Year AAGR**

	<b>Transport</b>	<b>Household</b>	<b>Industry</b>	<b>Services</b>	<b>Agriculture</b>
<b>Oil Products</b>	34.48	3.35	8.13	4.75	0.79
<b>Electricity</b>	0.3	10	9.69	8.58	0.97
<b>Oil Products (AAGR)</b>	5%	5%	8%	4%	6%
<b>Electricity (AAGR)</b>	17%	7%	7%	7%	7%

D-Pandemic Qualitative Survey (Metallic, Non-Metallic Mining, and SSM)

Which aspect(s) of NEW/ADDITIONAL government intervention/regulation will adversely affect your bottom line?

	Metallic	Non-Metallic	SSM
Environmental Concerns	9	3	13
Indigenous People's Rights	8	1	18
Workers' health and safety	2	1	10
Employment terms and compensation	5	1	18
Licensing and contract negotiations	13	8	14
Foreign ownership	1	0	0
Continued tariffs on imports	0	1	0
<b>N=</b>	<b>26</b>	<b>12</b>	<b>24</b>

	Metallic	Non-Metallic	SSM
Environmental Concerns	35%	25%	79%
Indigenous People's Rights	23%	8%	75%
Workers' health and safety	8%	8%	79%
Employment terms and compensation	19%	8%	75%
Licensing and contract negotiations	42%	25%	58%
Foreign ownership	4%	0%	0%
Continued tariffs on imports	0%	8%	0%



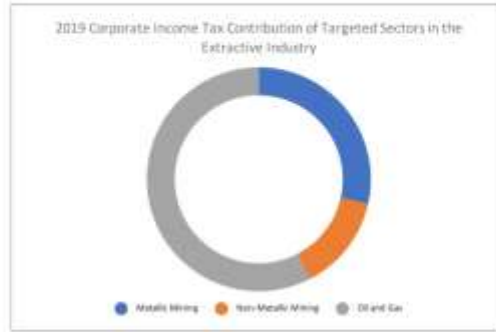
Impact of EO 130 on Mining Statistics

2020 Figures		Output per each of the existing 309 mining permits/companies	
Production	132.69 billion PHP		0.4294 billion PHP
Export	5.20 billion USD		0.0168 billion USD
GVA	102.30 billion PHP		0.3311 billion PHP
Taxes and Fees Paid	25.52 billion PHP		0.0826 billion PHP
Employment	184 thousand		0.5955 thousand
Output from the initial 35/100 projects to be approved		Output with the remaining 65 projects in the pipeline	
Production	15.03 billion PHP		42.94 billion PHP
Export	0.59 billion USD		1.68 billion USD
GVA	11.59 billion PHP		33.11 billion PHP
Taxes and Fees Paid	2.89 billion PHP		8.26 billion PHP
Employment	20.84 thousand		59.55 thousand
2020 Figures		Short-Term Growth	Long-Run Projection
Production	132.69 billion PHP	147.72 billion PHP	175.63 billion PHP
Export	5.20 billion USD	5.79 billion USD	6.88 billion USD
GVA	102.30 billion PHP	113.89 billion PHP	135.41 billion PHP
Taxes and Fees Paid	25.52 billion PHP	28.41 billion PHP	33.78 billion PHP
Employment	184 thousand	204.84 thousand	243.55 thousand

Corporate Income Tax Contributions of Targeted Companies\* in 2019

		Target Number
Metallic Mining	3,270,800,906	52
Non-Metallic Mining	1,590,317,466	23
Oil and Gas	6,601,214,931	5
Extractive Industry	11,462,333,303	

\*that reported



Forecasted Export Value of Gold with COVID-19 Recovery and EO 138

USD Price of Gold per Ounce				BSP Non-Ministerial Gold Exports (in million USD)			
Year	Price	% Change	#	Year	Exports	% Change	#
2005	444.89		1	2005	78.53		1
2006	604.34	35.81%	2	2006	771.91	250%	2
2007	896.41	35.14%	3	2007	304.94	-9%	3
2008	872.17	-2.34%	4	2008	437.60	40%	4
2009	879.66	0.85%	5	2009	228.13	-48%	5
2010	1,326.66	50.59%	6	2010	387.43	25%	6
2011	1,571.16	18.35%	7	2011	436.00	13%	7
2012	1,668.86	6.08%	8	2012	471.87	8%	8
2013	1,409.51	-15.54%	9	2013	312.37	-34%	9
2014	1,248.86	-11.38%	10	2014	251.98	-19%	10
2015	1,138.86	-8.87%	11	2015	333.18	3%	11
2016	1,231.81	8.09%	12	2016	522.25	55%	12
2017	1,266.59	2.82%	13	2017	688.82	32%	13
2018	1,268.93	0.18%	14	2018	1,153.23	67%	14
2019	1,393.34	9.80%	15	2019	1,394.34	21%	15
2020	1,773.73	27.33%	16	2020	1,225.06	-12%	16
AAGR (2005-2020)		10.70%		AAGR (2005-2020)		33.12%	
CAGR (2005-2020)		8.63%		CAGR (2005-2020)		23.54%	

2020 Data		U.S. Billion USD
Total Non-Ministerial Gold Exporter	Price of Gold per Ounce (USD)	1,773.73
		892,921.45 ounces of gold reported
		1 Billion = 82.15 ounces
		<b>21,824.77 Miles of gold reported</b>
Number of Metallic Mines*		58
Number of Gold Mines**		11
		<b>22% Share of Gold Mines in Total Metallic Mines</b>
		<b>1,858.84 Miles of gold reported per mine</b>
		<b>= 62,692.86 ounces of gold reported per mine</b>
Number of Initial Mines to be Approved**		8
	*From MGB	
		<b>8 of these initial mines are deemed to be gold</b>
		<b>33,674.24 Miles of additional exports</b>
Remaining Number of Mines in the Pipeline**		60
		<b>14 of these remaining mines are deemed to be gold</b>
		<b>38,014.40 Miles of additional exports</b>
		<b>32 projected new gold mines</b>
		<b>mines with EO 138</b>

Forecasted Gold Export Production (in Billion)

Criteria Period	Additional Exports with EO 138				Total Gold Exports			
	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)
2020	21,552.77	15,581.77	21,552.77	15,581.77	21,552.77	15,581.77	21,552.77	15,581.77
2021	30,025.75	15,787.75	31,074.36	15,874.74	40,700.48	31,442.48	1,468,270.73	1,332,335.13
2022	41,818.80	18,887.80	31,836.91	18,748.18	63,666.60	45,547.24	2,846,881.26	1,500,943.66
2023	58,774.89	18,811.36	33,821.60	22,401.13	88,895.89	68,236.39	2,811,568.71	1,804,969.27
2024	84,888.91				14,717.69	98,213.14		3,318,918.77
2025	12,646.66				64,800.71	117,865.56		1,778,556.23
2026	62,942.53				77,467.45	146,440.98		4,515,146.11
2027	15,251.97				92,852.12	187,865.29		5,398,155.14

Forecasted Price of Gold (in USD)

Year	Short-Term Growth (x AAGR)		Long-Run Projection (x CAGR)	
	Short-Term Growth	Long-Run Projection	Short-Term Growth	Long-Run Projection
2020	1,773.73			
2021	1,965.97	1,991.68		
2022	2,173.71	2,188.41		
2023	2,406.37	2,198.79		
2024		2,186.28		
2025		2,157.47		
2026		2,075.15		
2027		1,946.05		
2020			1,229.06	1,229.06
2021			2,895.81	2,576.83
2022			4,448.31	3,274.58
2023			6,861.68	4,377.86
2024				7,616.74
2025				10,518.58
2026				13,451.19
2027				17,533.47

Forecasted Export Value of Nickel with EV Market Growth and ED 103

Year	Nickel		Peso-Dollar E/R	Export Value of		
	Production Volume (MT)	Production Value (PVR) <sup>a</sup>		Nickel (\$USD)	% Share	
2013	376,280	30,721,745,000	42.4462	725,016,532.29	14.118,899	-1.05%
2014	400,131	59,766,217,881	44.3852	1,346,301,356.48	326,109,652	23.78%
2015	422,244	36,266,746,527	45.5028	753,057,077.25	326,103,715	43.70%
2016	347,835	23,717,209,179	47.4925	499,390,412.85	295,271,873	51.14%
2017	356,517	20,648,501,098	50.4007	469,071,659.38	444,807,488	90.49%
2018	344,969	28,879,965,388	52.6618	548,406,183.52	474,944,607	68.37%
2019	323,525	31,701,588,489	52.7958	613,767,014.95	352,720,469	61.98%
2020	353,862	38,818,100,139	49.6241	765,068,116.40	448,121,775	58.57%

AAGR (2014-2019)= 54.97%

<sup>a</sup> or nickel mattes, nickel oxide slabs, and other intermediate products of nickel metallurgy (USD)  
<sup>b</sup> ignored in the computation of AAGR given that the value is negligible

Year	Export Value of Nickel Mattes, etc. <sup>b</sup> (USD)		N <sup>a</sup>
	% Change		
2014	103,109,012		1
2015	326,103,715	2.91%	2
2016	326,371,073	-22.40%	3
2017	444,307,448	73.99%	4
2018	374,948,667	-15.91%	5
2019	392,720,469	4.74%	6
2020	440,121,775	13.60%	7

AAGR (2014-2019)= 0.52%

CAGR (2014-2019)= 4.86%

2020 Data

Total Nickel<sup>a</sup> Exports= 446.12 million USD

Number of Metallic Mines<sup>\*\*</sup>= 50

Number of Nickel Mines<sup>\*\*</sup>= 39

<sup>\*\*</sup>From MGB

88% Share of Gold Mines in Total Metallic Mines

15.36 million USD worth of exports per nickel mine

Number of Initial Mines to be Approved<sup>\*\*</sup>= 35

30 of these initial mines are deemed to be nickel

397.67 million USD worth of additional exports

Remaining Number of Mines in the Pipeline<sup>\*\*</sup>= 15

18 of these remaining mines are deemed to be gold

584.57 million USD worth of additional exports

Forecasted Nickel Export Production (in USD million)

Year	Current Portfolio		Additional Exports with ED 136				Total Nickel Exports	
	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)	+20 Nickel Mines		+38	Short-Term Growth	Long-Run Projection	
			Short-Term (x AAGR)	Long-Run (x CAGR)				
2020	446.12	446.12				446.12	446.12	
2021	488.58	487.79	307.67		307.67	796.26	775.46	
2022	535.10	490.50	588.88		522.83	872.06	815.11	
2023	588.04	514.32	589.04		318.28	925.00	852.80	
2024		539.30				339.28	1,478.57	
2025		565.43				584.89	1,550.38	
2026		582.85				1,032.72	1,825.66	
2027		621.74				1,082.87	1,704.61	

**Global EV Market Value and Philippine Nickel Exports Forecasts**

	Global EV Market Value Value (in USD billion)	Share of Philippine Nickel Exports	
		Short-Term	Long-Term
<b>2020</b>	231.57	0.1927%	0.1927%
<b>2021</b>	276.58	0.2935%	0.2859%
<b>2022</b>	330.33	0.2691%	0.2510%
<b>2023</b>	394.53	0.2468%	0.2204%
<b>2024</b>	471.21		0.3143%
<b>2025</b>	562.79		0.2759%
<b>2026</b>	672.17		0.2422%
<b>2027</b>	802.81		0.2127%



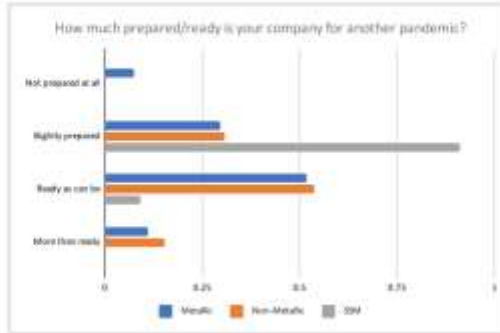
Peri-Pandemic Qualitative Survey

How much prepared/ready is your company for another pandemic?

	Metallic	Non-Metallic	SSM
More than ready	3	2	0
Ready as can be	14	7	2
Slightly prepared	8	4	20
Not prepared at all	2	0	0
	N= 27	13	22*

\*no response=2

	Metallic	Non-Metallic	SSM
More than ready	11%	15%	0%
Ready as can be	52%	54%	9%
Slightly prepared	30%	31%	91%
Not prepared at all	7%	0%	0%



Ex-Pandemic Qualitative Survey (Metallic and Non-Metalling Mining)

What are your budgetary plans for SDMP in the coming years?

	Metallic	Non-Metallic
Higher	22	6
Same	2	2
Lower	2	4
<b>N=</b>	<b>26</b>	<b>12</b>

	Metallic	Non-Metallic
Higher	85%	50%
Same	8%	17%
Lower	8%	33%

