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[1]
Based on company submissions to PH-EITI as of August 2, 2021[2]

SUMMARY

Participated	# of companies: 36 # per sector: 26 metallic, 9 non-metallic, 1 oil and gas	Did not participate	# of companies: 29 # per sector: 15 metallic, 10 non-metallic, 3 oil and gas, 1 coal	Partially participated	# of companies: 14 # per sector: 9 metallic, 5 non-metallic

PARTICIPATED	DID NOT PARTICIPATE	PARTIALLY PARTICIPATED
1. AAM-PHIL Natural Resources Exploration & Development Corp. 2. Adnama Mining Resources Inc. 3. Agata Mining Ventures Inc., *operator of Agata Processing, Inc.* 4. BenguetCorp Nickel Mines Inc. 5. Berong Nickel Corp. 6. Cagdianao Mining Corp. 7. Century Peak Corp. 8. Techiron Resources, Inc.	1. Abra Mining & Industrial Corp. 2. MACARTHUR IRON PROJECTS CORP. 3. Carmen Copper Corp. 4. Atro Mining-Vitali Inc. 5. Benguet Corporation 6. Eramen Minerals, Inc. 7. Filminera Resources Corporation 8. Greenstone Resources Corp. 9. Krominco, Inc.	1. Apex Mining Company Inc. 2. Citinickel Mines & Development Corp. 3. CTP Construction & Mining Corp. 4. Itogon Suyoc Resources, Inc. 5. LNL Archipelago Minerals Inc./Filipinas Mining 6. Strong Built (Mining) Development Corporation 7. Austral-Asia Link Mining

[1] 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.
[2] 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.

9. Carrascal Nickel Corporation *10.* Dinapigue Mining Corp. *(formerly Geogen Corporation)* 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 & Resources 33. Republic Cement and Building Materials, Inc. 34. Republic Cement Mindanao, Inc. 35. Rio Tuba Nickel Mining Corp. 36. PNOC - Exploration Corporation	10. Marcventures Mining & 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 & Co. Inc. 20. Hardrock Aggregates Inc. 21. San Rafael Dev't Corp. - *Operator: Majestic Earth Core Ventures, Inc* 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 *(Formerly Galoc Production Company WLL)* 28. The Philodrill corporation 29. Semirara Mining and Power Corp	8. Hallmark Mining Corporation 9. Wellex Mining Corp./Vista Buena Mining Corp. 10. Bohol Limestone Corp. 11. Concrete Aggregates Corp. 12. Island Quarry & Aggregates Corp./Solid Cement Corp. 13. Montalban Millex Aggregates Corporation 14. Rapid City Realty and Dev't Corp.

A. METALLIC MINING

Name	Nationality	Country of Residence	% of Ownership / % of Voting Rights	Category of Beneficial Owner[3]	PEP[4] [Y/N]
AAM-Phil Natural Resources Exploration and Development Corporation					
Kho, Kitson Soriano	Philippines	Philippines	94%	A	No
Ngo, Francis Albert	Philippines	Philippines	1%	I - President	No
Adnama Mining Resources Inc.					
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
Agata Mining Ventures, Inc.					

[3] 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.

[4] 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
Benguet Corp. Nickel Mines Inc.					
Mendoza, Reynaldo Pacamarra	Philippines	Philippines	0.00%	D	No
Fernandez, Lina Galing	Philippines	Philippines	0.00%	D	No
Berong Nickel Corporation					
Consunji, Isidro Almeda	Philippines	Philippines	*(unidentified)*	I	No
Cagdianao Mining Corporation					
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
Century Peak Corporation					
Century Peak Holdings Corp.	Philippines	Philippines	100.00%	A	No
Carrascal Nickel Corporation					
Co, Antonio Lim	Philippines	Philippines	21.15%	I	No
Dinapigue Mining Corporation					
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
FCF Minerals Corporation					
Bowden, Darren Patrick	Australia	Philippines	88%	I – Chairman/President	No
Hinatuan Mining Corporation					
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
Johson Gold Mining Corp.					
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
Lepanto Consolidated Mining Co.					
Felipe U. Yap	Philippines	Philippines	0.59%	C	No

Libjo Mining Corporation					
Salvador B. Zamora III	Philippines	Philippines	55%	A, C, D, G	No
Oceanagold (Philippines) Inc.[5]					
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
Oriental Vision Mining Philippines Corp.					
Borja, Fernando Selim	Philippines	Philippines	29%	A-I	No
Pacific Nickel Philippines, Inc.					
Ang, Ramon See	Philippines	Philippines	26.05%	A	No
Zobel, Iñigo Urquijo	Philippines	Philippines	59.96%	A	No
Philex Mining Corporation					
Manuel V. Pangilinan	Philippines	Philippines	0.09% direct ownership; 31.22% indirect ownership as Chairman of First Pacific Company Limited	D	No
Philsaga Mining Corporation					
Villanueva, Raul Conde	Philippines	Philippines	0.00%	I	No
Platinum Group Metals Corporation					
Sy, Joseph C.	Philippines	Philippines	0.00%	I	No
Bravo, Dante R.	Philippines	Philippines	0.00%	I	No
Shangfil Mining and Trading Corp.					

[5] 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
Sinosteel Phils. H.Y. Mining Corporation					
Tang, Willie Lim	Philippines	Philippines	25%	A	No
Wenliang, Pan	China	China	0%	I-Chairman	No
SR Metals, Inc.					
Gutierrez, Miguel Alberto Vazquez	Philippines	Philippines	30%	A	No
Taganito Mining Corporation					
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
Techiron Resources Inc.					
Malinovskiy, Pavel	Russia	UAE	38%	A	No
Gil, Anthony James K.	Philippines	Philippines	2%	D, E	No
Zambales Diversified Metals Corporation					
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]
Dolomite Mining Corporation					
Tuazon, Victor Masaru A.	Philippines	Philippines	68.959%	A	No
Eagle Cement Corporation					
Ang, Ramon See	Philippines	Philippines	86.57%	A	No
Holcim Mining and Development Corporation					
Renato A. Baja	Philippines	Philippines	<1.00%	I – President and General Manager	No
JLR Construction and Aggregates Inc.					
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
Northern Cement Corporation					
Ang, Ramon See	Philippines	Philippines	32.92%	A	No
Zobel, Iñigo Urquijo	Philippines	Philippines	39.57%	A	No
Republic Cement & Building Materials Inc.					
Sunico, Renato C.	Not disclosed	Not disclosed	N/A	I – President	No
Republic Cement Land and Resources Inc.					
Bolinas, Andres David M.	Not disclosed	Not disclosed	N/A	I – President	No
Republic Cement Mindanao Inc.					
LLOYD A. VICENTE	Not disclosed	Not disclosed	Not disclosed	I- Chairman and President	No
Rio Tuba Nickel Mining Corporation					
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
Ichiyanagi, 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]
Philippine National Oil Company – Exploration Corporation					
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**.

PH-EITI
Philippine Extractive Industries Transparency Initiative

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			
Foreign shareholder dividends			
Profit remittance to principal			
Royalties to claim owners			
Other final withholding tax			
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			
Paid in Head Office			
Paid in Mine Site			
Real property tax			
Basic (Paid in Head Office)			
Special Education Fund (SEF) (Paid in Head Office)			
Basic (Paid in Mine Site)			
Special Education Fund (SEF) (Paid in Mine Site)			
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. 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 Fund1								
b. Monitoring Trust Fund2								
Final Mine Rehabilitation and/or Decommissioning Fund3								
Mine Waste and Tailings Reserve Fund4								
Environmental Trust Fund5								

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 CLRFSC.

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 Nationa Treasury.
5. ETF – based on MOA between company and MRFC.

3 Environmental Expenditures

PROGRAM/ACTIVITIY	Annual EPEP Cost (PhP)	Actual Expenditure of the ogram/Activity (PhP)	nce (PhP)	Period Covered	Remarks
Annual EPEP1					
Annual Work and Financial Plan (WFP)2 for FMR/DP					
Compensation for claims for Damages from MWTF3					

4. Social Development Management Program (SDMP)

Coverage Period1	Year	5 Year Commitments2			Mandated Expenditures3			Actual Expenditures4			Unspent Budgets5			Remarks6
		DHNC	IEC	DMTG	DHNC	IEC	DMTG	DHNC	IEC	DMTG	DHNC	IEC	DMTG	
	1													
	2													
	3													
	4													
	5													
	TOTAL													
	5-Year SDMP													

1 Reckoned from the year the 5 Year SDMP started

2 Based on the approved 5 Year SDMP

3 Mandated Expenditures based on actual 1.5% of Operating Costs plus unspent amount from previous SDMP

4 Actual Expenditures

5 Unspent amount from the previous SDMP

6 Other explanations/deviations

SDMP Accomplishment covering the periods Y_____ to Y_____ (current 5-year SDMP)

Area	Non-financial Metric used	Accomplishment to date	Cumulative costs to date	Beneficiaries
Social Development & Management (host and neighboring communities)				
a. Human resource development and institutional building	Number of people trained per skill training program	Ex. 1,000 people	Ex. P400,000	Indicate name of barangay, etc.
b. Enterprise development and networking	Number of employment generated per livelihood program			
c. Assistance to infrastructure development and support services	Number of kilometer of road constructed			
	Number of kilometer of road maintained			
	Number of homes energized			
d. Access to education and educational support programs	Number of scholars			
	Number of teachers given subsidy			
	Number of classrooms constructed			
	Number of classrooms maintained			
e. Access to health services, health facilities and health professionals	Number of hospitals/health centers constructed			
	Number of patients given subsidy			
	Number of health professionals engaged by the company			
	Number of homes 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			
Mining Technology and Geosciences advancement				
a. Basic and applied research on mining technology, geosciences, and related subjects	Nature of research program			
	Output of researches 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 outlay as assistance for research and/or educational institutions				
Information, Education & Communication (IEC)				

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			
TOTAL AMOUNT			

G. National Commission on Indigenous People (NCIP)

Type	Administrator	Basis of calculation		Actual expenditures	Remarks
		Reference	Amount		
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-EITI 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-EITI 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		

TOTAL		

*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			Sales									
				Local		Export			Country of Destination	Customer	Related to mining company	Price (Average / Range)	Forex
							Value						
	Volume	Value		Volume	Value	Volume	In PHP	In US$					
Gold Dore (kgs):													
Contained gold (kgs)													
Contained silver (kgs)													
Copper Concentrate (DMT)													
Contained gold (kgs)													
Contained silver (kgs)													
Nickel Direct Shipping Ore (WMT)													
Chromite Ore/ Concentrate (DMT)													
Zinc Concentrate (DMT)													
Iron Ore/ Concentrate (DMT)													
Others: (Specify)													

*For 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 MOAs with IPs

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

8. 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. MGB/DENR)
- 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			
Foreign shareholder dividends			
Profit remittance to principal			
Royalties to claim owners			
Other final withholding tax			
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			
Paid in Head Office			
Paid in Mine Site			
Real property tax			
Basic (Paid in Head Office)			
Special Education Fund (SEF) (Paid in Head Office)			
Basic (Paid in Mine Site)			
Special Education Fund (SEF) (Paid in Mine Site)			
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			
Government share from **coal production**			
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. BOI, PEZA)
Confirmation of fiscal incentives availed in 2019

Incentive	Yes (include date granted, expiry date, incentive-granting body)	No	Amount
Income tax holiday			
Duty free – importations			
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 7th PH-EITI 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-EITI 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		
TOTAL		

*3. Economic linkages**

**Information to be included in Chapter 1 of the 7th 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 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, if any
PPA Contractor		

5. Grants and donations

**Information to be included in Chapter 1 of the 7th PH-EITI report. For reference, see Section II, Exploration and production, Chapter 1 of the third PH-EITI Country Report.*

Recipient/s	Type of Donation (e.g. road, scholarship, etc.)	Amount (monetary equivalent)
LGUs		
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			Sales									
	Volume	Value		Local		Export			Country of Destination	Customer	Related to company	Price (Average / Range)	Forex
				Volume	Value	Volume	Value						
							In PHP	In US$					
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 (2550M / 2550Q)			

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 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. DOE/DENR)
- Infrastructure (roads, bridges) outside of the SDMP 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

Philippine Extractive Industries Transparency Initiative

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			
Company hired:		Male: _____	Female: _____
Indigenous People (IP):		Male: _____	Female: _____
Regular:		Male: _____	Female: _____
Probationary:		Male: _____	Female: _____
From host barangays:		Male: _____	Female: _____
From neighboring barangays:		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			
Foreign Employees:		Male: _____	Female: _____
Regular		Male: _____	Female: _____
Consultants		Male: _____	Female: _____

5 Number of female employees, per rank:

Operations:
Rank & file: _____
Junior staff (supervisors): _____
Senior staff (managers): _____

Admininistrative:
Rank & file: _____
Junior staff (supervisors): _____
Senior staff (managers): _____

6. Number of female employees, per nature of work

6.1. Operations
Mining Engineers: _____
Geologists: _____
Chemists/chemical engineers: _____
Metallurgists: _____
Electrical engineers: _____
Assayists: _____
Mill operators: _____
Drillers: _____
Muckers: _____
Environment rehabilitation/ reforestation workers : _____
Others (please specify): _____

6.2 Administrative
Accounting and Finance (total):
Accountants: _____
Bookkeepers: _____
Office clerks/secretaries: _____
Others (please specify): _____

Legal (total):

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:

Compensation and benefits for female employees	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:

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

Junior staff: ☐
Please choose one of the following:

1	> 50,000-60,000	3	>30,000-40,000
2	> 40,000-50,000	4	Below 30,000

Rank and file: ☐
Please choose one of the following:

1	> 20,000-30,000	3	> 10,000-15,000
2	> 15,000-20,000	4	10,000 and below

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

☐	Maternity Leave	☐	Solo parent leave
☐	Paternity Leave	☐	VAWC leave

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

☐ Day care services for children of employees
☐ Health insurance
☐ Hospitalization
☐ Educational scholarships for children
☐ Transportation from mining site to residence

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

☐ **On-site hospital**
_____ Level 1
_____ Level 2
_____ Level 3
☐ **On-site primary care facility**
_____ Infirmary (with in-patient beds)
_____ Out-patient clinic (without beds)
_____ Dental clinic
☐ **On-site pharmacy**

1 - Yes 2 - No

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

☐ Employees only
☐ Employees and their dependents
☐ 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
			Frontliners/ Individuals	Frontliners/ Individuals			
			Households/ Families	Households/ Families			

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										
								Total	-	

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										
								Total	-	

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											
									Total	-	

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											
									Total	-	

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											
									Total	-	

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	Basis of calculation			Amount paid	Remarks
						Reference	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	Basis of calculation			Amount paid	Remarks
						Reference	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	Basis of calculation			Amount paid	Remarks
						Reference	Tax base	Tax rate		
Improperly accumulated retained earnings tax										
Improperly accumulated retained earnings tax										
Improperly accumulated retained earnings tax										
								Total	-	

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 (IAET)	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 disclosed 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)										
								Total	-	

Supporting documents to be prepared for the reconciliation process:

Customs duties	BOC Import Entry & Internal Revenue

VAT on imported materials and equipment	& Internal Revenue 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							
					Total	-	

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							
					Total	-	

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							
					Total	-	

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		
					Total	-	

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									
						Total	-		

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									
						Total	-		

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									
						Total	-		

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									
						Total	-		

Supporting documents to be prepared for the reconciliation process:	
Local business tax	Official Receipt from government agency
Real property tax	
- Basic	
- Special Education Fund (SEF)	
Occupation fees	
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								
						Total	-	

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.

ACCCEPTED BY:

CAESAR R. DULAY Commissioner of Internal Revenue	**[NAME OF THE COMPANY]**
By:	By:
_____ 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[6]

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?

[6] 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 <u>was</u> 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 <u>did</u> 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 <u>change</u> soon after March? (Please circle one.)

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

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

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

8. What is your <u>current</u> 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[7] and Top 25 Non-Metallic Mining Companies[8]

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)*

[7] https://www.surveymonkey.com/r/8DFX5RX
[8] 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[9] and Top 25 Non-Metallic Mining Companies[10]

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

Name

[9] https://www.surveymonkey.com/r/K3XV8MY
[10] 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[11]

C. 50 Large-Scale Metallic Mining Companies

[11] 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[12]
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[13]

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 Mning 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[14]

[12] Adlay Nickel Project and Dahican Nickel Project
[13] Casiguran Nickel Project and Esperanza Nickel Project
[14] 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[15]

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[16]

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

[15] Mineral Production Sharing Agreement (MPSA) 1 and MPSA 2
[16] 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

1. In the **first three years** of PH-EITI, how would you rate - in general - the transparency of the **OIL AND GAS COMPANIES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?
2. In the **first three years** of PH-EITI, how would you rate - in general - the transparency of **SEMIRARA MINING AND POWER CORPORATION AND OTHER COAL EXTRACTING COMPANIES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?
3. In the **first three years** of PH-EITI, how would you rate - in general - the transparency of the **METALLIC MINING COMPANIES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing	Without citing a specific entity or particular entities, can you please provide details of your answer?

information	

4. In the **first three years** of PH-EITI, how would you rate - in general - the transparency of the **NON-METALLIC MINING COMPANIES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?
5. In the **first three years** of PH-EITI, how would you rate - in general - the transparency of the **SMALL-SCALE MINING (SSM) OPERATORS/ASSOCIATIONS/COOPERATIVES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?

II. TRANSPARENCY AND REPORTING – FOUR YEARS LATER

6. **From the fourth to sixth year** of PH-EITI, how would you rate - in general - the transparency of the **OIL AND GAS COMPANIES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?

7. **From the fourth to sixth year** of PH-EITI, how would you rate - in general - the transparency of **SEMIRARA MINING AND POWER CORPORATION AND OTHER COAL EXTRACTING**

COMPANIES?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?
8. **From the fourth to sixth year** of PH-EITI, how would you rate - in general - the transparency of the **METALLIC MINING COMPANIES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?
9. **From the fourth to sixth year** of PH-EITI, how would you rate - in general - the transparency of the **NON-METALLIC MINING COMPANIES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?

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**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the	Without citing a specific entity or particular entities, can you please provide details of your answer?

minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	

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**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?
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**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	Without citing a specific entity or particular entities, can you please provide details of your answer?

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**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-	Without citing a specific entity or particular entities, can you please provide details of your answer?

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 **NON-METALLIC MINING COMPANIES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	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 **SMALL-SCALE MINING (SSM) OPERATORS/ASSOCIATIONS/COOPERATIVES**?	
○ Not transparent at all, refused to give information ○ A little transparent, provided less than the minimum sought information ○ Quite transparent, gave the minimum information ○ More transparent than expected, reported more than enough information ○ Very transparent, was even pro-active in providing information	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 **first three years** of PH-EITI, how do you rate the speed of various government departments/agencies when it comes to reporting information?	
○ Non-responsive ○ Very slow, needed some follow-through (was followed up until the sought-out action was completed) ○ Quite slow, certain follow-ups were necessary but delivered towards the end ○ Just right, reported just before the agreed-upon deadline ○ Fast, reporting was instant with very little or no following up	Without citing a specific entity or particular entities, can you please provide details of your answer?
17. **From the fourth to sixth year** of PH-EITI, how do you rate the speed of various government departments/agencies when it comes to reporting information?	
○ Non-responsive ○ Very slow, needed some follow-through (was followed up until the sought-out action was	Without citing a specific entity or particular entities, can you please provide details of your answer?

completed) ○ Quite slow, certain follow-ups were necessary but delivered towards the end ○ Just right, reported just before the agreed-upon deadline ○ Fast, reporting was instant with very little or no following up	

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?	
○ Non-responsive ○ Very slow, needed some follow-through (was followed up until the sought-out action was completed) ○ Quite slow, certain follow-ups were necessary but delivered towards the end ○ Just right, reported just before the agreed-upon deadline ○ Fast, reporting was instant with very little or no following up	Without citing a specific entity or particular entities, can you please provide details of your answer?
19. When PH-EITI's Online Reporting in the Extractives (ORE) Tool was launched, how receptive - in general - were the stakeholders?	
○ Did not agree with it, of the opinion that it is unnecessary ○ Resisted but were later on in agreement ○ Indifferent ○ Supportive ○ Encouraging, were/are helpful in further developing the tool	Without citing a specific entity or particular entities, can you please provide details of your answer?
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
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%
Annual % Changes							
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%
Average Annual Growth Rate (AAGR)							
MAQ=	4.84%						
GDP=	8.38%						
Compounded Annual Growth Rate (CAGR)							
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%	Coal	10.47%
..Extraction of crude petroleum and natural gas	37,303	23.08%	Oil and Gas	23.08%
..Mining of precious metal ores	26,870	16.62%	Metallic Mining	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%	Non-Metallic Mining	31.11%
Gross Value Added in Mining and Quarrying	161,656			

Number of Employed Persons by Total Hours Worked: July 2019

		% Share
Philippines	42,951,883	
MAQ	210,961	0.49%
Hours Worked		
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%
Total Working	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	224,446,397	40.964549%
2	Malaysia	209,659,773	38.263787%
3	People's Republic of China	77,890,962	14.216170%
4	Republic of Korea	35,031,027	6.393443%
5	Vietnam	593,904	0.108386%
6	Cambodia (Democratic Kampuchea)	140,315	0.025609%
7	United States of America	60,590	0.010959%
8	Taiwan (Rep. of China)	35,068	0.006400%
9	Brunei Darussalam	11,476	0.002093%
10	Australia	11,304	0.002063%
11	France	9,504	0.001735%
12	Thailand	6,728	0.001228%
13	Indonesia	6,650	0.001214%
14	Papua New Guinea	890	0.000162%
15	Canada	3	0.000001%
		547,803,091	

Singapore	224,446,397
Malaysia	209,659,773
China	77,890,962
South Korea	35,031,027
Others	875,832

2019 Philippine Exports by Commodity Group (FOB in USD)

Coal

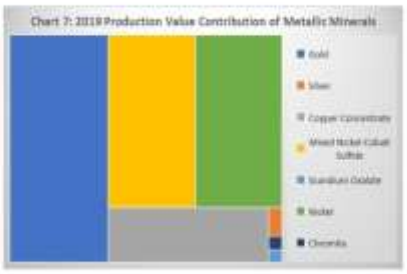
Rank			% Share
1	**China**	437,973,547	95.10%
2	**Thailand**	15,170,000	3.29%
3	**Taiwan**	5,057,500	1.10%
4	**India**	2,300,000	0.50%
5	**South Korea**	50,653	0.01%
		460,551,700	

2019 Production Value Contribution of Metallic Minerals (in PHP)

Gold	47,357,070,332
Silver	827,269,356
Copper Concentrate	18,456,262,112
Mixed Nickel-Cobalt Sulfide	31,700,955,961
Scandium Oxalate	358,356,578
Nickel	31,653,009,469
Chromite	390,566,251
	130,743,490,059

	% Share
Gold	36.22%
Mixed Nickel-Cobalt Sulfide	24.25%
Nickel	24.21%
Copper Concentrate	14.12%
Scandium Oxalate	0.27%
Chromite	0.30%
Silver	0.63%

		% Share
Total Mining= ~	196,000,000,000	
Metallic= ~	131,320,000,000	0.67%



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	2,074.55	6,233.37		
1980M5	5	513.79	2,076.75	6,000.77		
1980M6	6	600.72	2,006.20	6,294.83		
1980M7	7	644.28	2,175.96	6,622.17		
1980M8	8	627.15	2,081.16	6,584.51		
1980M9	9	673.63	2,059.11	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	6,169.46	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	12,880.00
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	338.97	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	414.89	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	412.84	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	381.68	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	1,364.68	4,773.23	43	11,080.00
1984M7	55	346.72	1,331.59	4,640.18	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	4,705.64	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	6,890.00
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	3,990.00
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	1,316.16	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	438.35	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	460.35	1,809.99	5,332.98	82	6,870.00
1987M10	94	465.36	1,966.52	5,682.33	83	6,550.00
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	408.78	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	8,809.00	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	15,690.00
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	362.76	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	2,211.95	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	2,152.38	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	11,650.00
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	391.93	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	3,003.26	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	386.24	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	8,068.86	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	396.33	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	391.94	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	368.98	2,264.60	6,571.05	193	21,687.50
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	22,468.75
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	2,611.29	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	1,655.67	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	11,468.75
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	256.69	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	7,946.82	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	1,752.07	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	8,036.43	237	15,029.76
2000M9	249	273.53	1,961.89	8,624.81	238	16,681.82
2000M10	250	269.93	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	260.33	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	5,962.55	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	6,061.36	254	6,950.00
2002M2	266	295.29	1,561.37	6,039.95	255	6,765.48
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	378.92	1,925.58	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	42,958.85
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	14,563.75	290	33,487.84
2005M2	302	423.35	3,247.10	15,415.60	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	14,962.00	297	29,206.51
2005M9	309	456.05	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	596.15	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	627.83	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	8,020.59	31,156.00	323	59,468.67
2007M11	335	806.25	6,957.43	30,505.64	324	72,600.81
2007M12	336	803.20	6,630.74	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	95,022.92
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	25,656.50	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	19,111.80	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	30,601.63
2009M2	350	943.16	3,328.41	10,410.75	339	26,494.92
2009M3	351	924.27	3,770.88	9,710.73	340	29,165.11
2009M4	352	890.20	4,436.93	11,331.60	341	29,794.95
2009M5	353	928.84	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	996.59	6,195.75	17,404.64	346	32,312.21
2009M10	358	1,043.16	6,305.99	18,489.48	347	37,960.59
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	6,843.16	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	38,264.13
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	24,164.55	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	7,394.19	19,039.05	371	28,690.91
2011M11	383	1,738.98	7,581.02	17,873.00	372	30,808.75
2011M12	384	1,652.31	7,558.88	18,246.04	373	33,006.67
2012M1	385	1,656.12	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	8,060.93	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	1,348.80	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	29,993.23
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	31,697.20
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	1,097.38	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	26,296.59
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	1,266.57	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	5,754.56	9,971.46	434	43,005.00
2017M2	446	1,234.36	5,940.91	10,643.30	435	52,765.22
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	80,792.60
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	1,494.80	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
Commodity	**Gold**		**Copper**	**Nickel**		**Cobalt**
Compounded Monthly Growth Rate		**0.1633%**	**0.0577%**	**0.0122%**		**0.1223%**

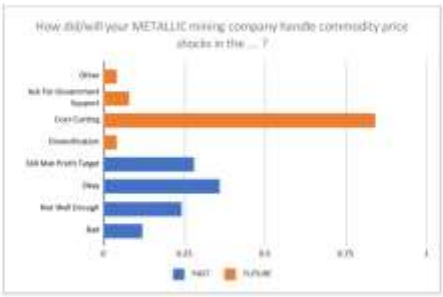
Ex-Pandemic Qualitative Survey (Metallic Mining)

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

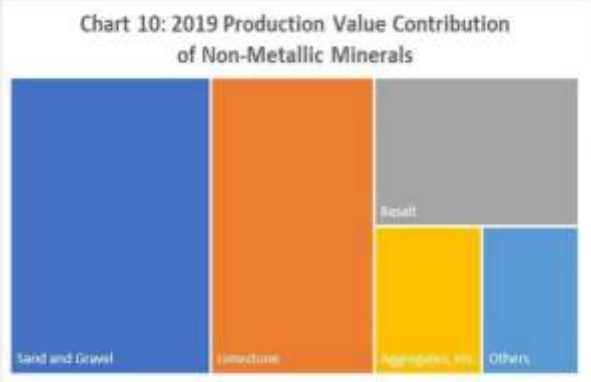
N= 25

	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)

	SAND AND GRAVEL	LIMESTONE	SILICA (for basalt)
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

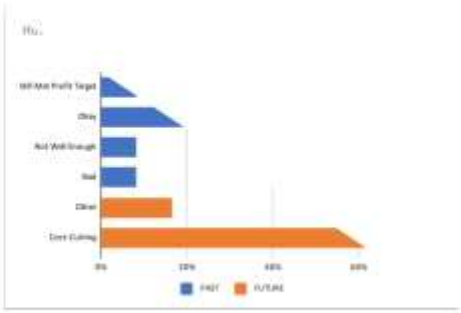
Ex-Pandemic Qualitative Survey (Non-Metallic Mining)

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=		
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	93	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	126	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	198	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	126
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	

Commodity	**Crude Oil**	**Natural Gas**	**Coal**
Compounded Monthly Growth Rate	**0.3040%**	**0.1405%**	**0.2247%**

	Crude Oil / Natural Gas	**Natural Gas / Coal**	**Crude Oil / Coal**
Correlation Coefficient	**0.8633**	**0.7262**	**0.8682**

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

	Q1	Q2	Q3	Q4	TOTAL
..Mining of coal	4,455	6,211	4,287	2,132	17,085
..Extraction of crude petroleum and natural gas	10,099	10,823	7,010	9,370	37,302
..Mining of gold ores and other precious metals	7,145	7,246	6,866	5,325	26,582
..Mining of nickel ores	4,360	7,939	6,082	2,382	20,763
..Mining of copper ores	2,670	2,572	2,366	2,532	10,140
..Stone quarrying, and other mining and quarrying	13,754	10,359	10,421	15,420	49,954
Gross Value Added in Mining and Quarrying	42,484	45,149	37,032	37,161	161,826

	% Share	
Coal	10.56%	
Oil and Gas	23.05%	
Non-Metals	30.87%	
Metals	35.52%	
Gold and Other Precious Metals		16.43%
Nickel and Copper		19.10%

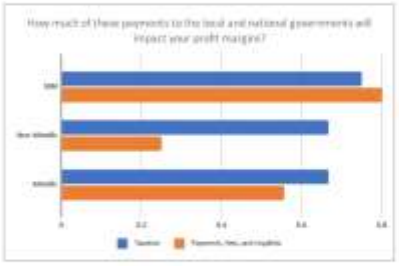
Ex-Pandemic Qualitative Survey (Metallic Mining, Non-Metallic, and SSM)

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

	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 Indices of GVA 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	191.9	59.9	24.9	124.65	82.3
2000Q2	49.8	48.2	18	90.4	92.8
2000Q3	41.1	72.7	27.4	75.35	109.7
2000Q4	58.1	38.1	28.6	117.45	99.3
2001Q1	70.9	67	27.6	115.95	79.6
2001Q2	57.4	47.5	28.6	100.5	83
2001Q3	56.2	81.6	30.6	65.8	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	84.9	35.5	68.5	104
2002Q4	80.5	43.8	35.2	106.7	96.3
2003Q1	98.6	43.4	39.6	119.9	85
2003Q2	58.4	48.8	38.4	116.4	85.1
2003Q3	66.3	88.3	37.8	99.1	94.2
2003Q4	81.1	51.4	43.7	165.4	85.2
2004Q1	90.6	43	44.8	160.5	80
2004Q2	56.9	39.8	40.5	150.5	74.8
2004Q3	115	151.3	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	61.9	43.1	264.6	94
2005Q3	143.2	148	49.2	205.9	129.2
2005Q4	114.7	49.5	45.6	219	87.5
2006Q1	109.8	62.1	48.6	153.4	92.3
2006Q2	72.6	57	57.3	256.2	88.8
2006Q3	145.9	130.7	59.6	245.25	112.7
2006Q4	112	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	64.6	280	72
2008Q1	101.8	54.6	71.2	173.3	78.5
2008Q2	78.2	70.9	72	341.55	86.3
2008Q3	163.4	135.9	79.9	170.8	103.4
2008Q4	109.1	44.8	74.7	123.35	81.2
2009Q1	108	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	132.6	36.5	99.7	154.35	81.6
2010Q1	147.3	50.4	95.2	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	98.2
2011Q2	72	76.4	129.4	187.1	97.5
2011Q3	163.6	161.9	149.5	144.2	114.6
2011Q4	125.9	51.1	120.9	180.4	65
2012Q1	133.7	67.1	127.4	93.8	77.4
2012Q2	62.5	69.8	122.3	173.55	81.8
2012Q3	160.9	87.5	134.8	123.3	83
2012Q4	137.3	40	123.5	169.45	62.7
2013Q1	135.7	55.5	118.8	73.85	75.6
2013Q2	57.4	63.5	97.7	147.5	74.7
2013Q3	160.2	118	109.5	116.5	93.2
2013Q4	152.6	52	96.6	173.1	66.1
2014Q1	156	66.4	99.9	68.35	75.1
2014Q2	64.7	61.2	94.5	150.05	70.3
2014Q3	154.8	98.9	102.1	133.45	85.2
2014Q4	122.1	43.6	88	170.5	64.4
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	46.7	85.6	126.35	69.6
2016Q1	96.5	48.9	90.6	56.25	76.2
2016Q2	59.4	58.6	97	108.5	78
2016Q3	110.7	136.9	116.3	93.45	114.5
2016Q4	99.7	52.1	95.1	138.6	75.6
2017Q1	121.5	63.2	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	129.3	76.6	102.3	86.6	92.6
2018Q2	55.4	113	100	141.95	106.2
2018Q3	160.9	234.5	104.3	117.7	134.3
2018Q4	133.4	57.3	93.2	153.95	85.5
2019Q1	129.9	67.2	100.2	78.3	101.2
2019Q2	53.9	75.8	101.6	135.3	98.7
2019Q3	145.5	127	129.1	126.35	125.8
2019Q4	125.5	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)

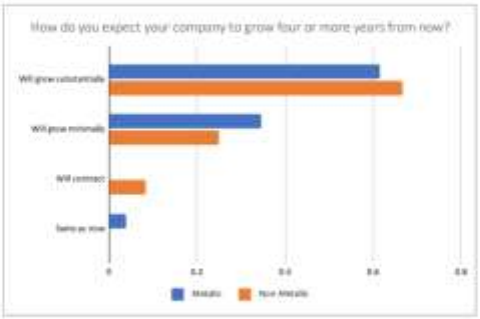
	REST OF GDP	REST OF INDUSTRY	N=	MAQ	% Change	TOTAL GDP	% Change
2000	4,752,051	2,178,911	1	56,452		6,985,383	
2001	4,935,171	2,182,088	2	54,421	-3.60%	7,198,384	3.05%
2002	5,119,511	2,254,704	3	81,125	49.07%	7,465,894	3.72%
2003	5,382,806	2,375,938	4	91,679	13.01%	7,845,677	5.09%
2004	5,789,672	2,472,063	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%
				MAQ		**GDP**	
			AAGR	6.54%		5.53%	
			CAGR	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%



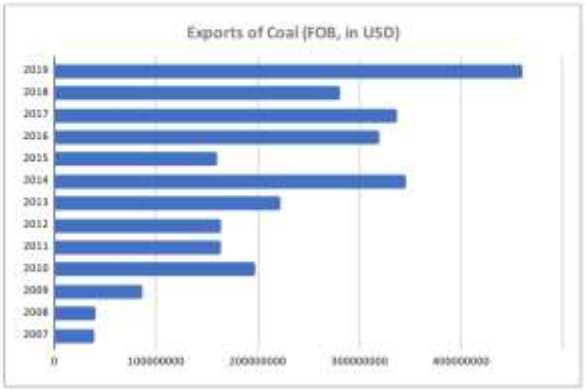
Exports of Commodities (FOB, in '000 USD)

	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	372,757.22		-	3,108.92	122,899.47		-
2001	2	10,338.07	94,491.38	200,939.84		-	2,393.96	112,116.83		-
2002	3	12,791.72	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
	AAGR	35.02%	
	CAGR	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)

			DIFFERENCES				
		N=		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	**Q2 to Q3 average growth**	**Q3 to Q4 average growth**
143.53%	-51.65%	

102.35%

Q2 vs. Q4

-66.13%

Ex-Pandemic Qualitative Survey (SSM)

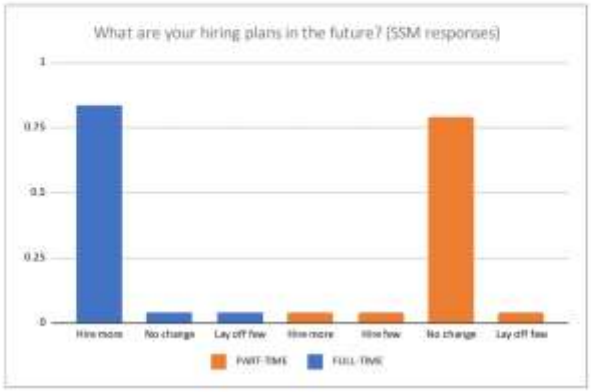
What are your hiring plans in the future?

	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 Indices on Gross Revenue by Sector (2016=100)

		METALLIC	% Change	NON-METALLIC	% Change	OIL (also for gas)	% Change	OTHER NON-METALLIC (for coal)	% Change	N=	MAQ	% Change
2000	2000Q1	15.88		18.07		0.07		98.02		1	15.83	
	2000Q2	23.2	47.96%	11.53	-28.25%	0.16	128.57%	8.34	-91.57%	1	18.55	17.18%
	2000Q3	34.35	48.06%	16.82	45.88%	1.94	1112.50%	2.83	-66.07%	3	27.36	47.49%
	2000Q4	42.87	24.80%	8	-52.44%	2.53	30.41%	2.38	-15.90%	4	28.98	5.93%
2001	2001Q1	14.99	-65.03%	14.88	86.00%	4.75	87.75%	78.83	3212.18%	5	14.95	-48.38%
	2001Q2	29.76	98.53%	12.22	-17.88%	5.86	23.37%	4.49	-94.30%	6	22.77	52.31%
	2001Q3	35.38	18.88%	13.88	11.95%	7.28	24.23%	1.36	-69.71%	7	26.72	17.35%
	2001Q4	34.83	-1.55%	7.78	-43.13%	1.65	-77.34%	2.88	05.59%	8	24.04	-10.03%
2002	2002Q1	20.38	-41.49%	68.22	776.86%	88.72	5276.97%	86.91	3167.29%	9	39.46	64.14%
	2002Q2	29.85	46.47%	34.86	-48.90%	40.87	-53.95%	9.29	-89.32%	10	31.85	-19.29%
	2002Q3	44.93	50.52%	33.09	-5.08%	48.51	18.69%	2.43	-73.84%	11	40.21	26.25%
	2002Q4	44.71	-0.49%	13.46	-59.32%	9.79	-79.82%	2.9	19.34%	12	32.25	-19.80%
2003	2003Q1	24.97	-44.15%	42.17	213.30%	39.27	301.12%	72.97	2416.21%	13	31.83	-1.30%
	2003Q2	35.68	42.89%	41.15	-2.42%	55.41	36.01%	11.99	-83.57%	14	37.86	18.94%
	2003Q3	57.63	61.52%	67.08	63.01%	161.86	240.50%	2.4	-79.98%	15	61.4	62.18%
	2003Q4	66.36	15.15%	35.53	-47.03%	66.97	-63.17%	2.35	-2.08%	16	54.67	-11.94%
2004	2004Q1	27.88	-57.99%	58.81	65.52%	64.26	-4.05%	97.29	4040.00%	17	40.21	-25.63%
	2004Q2	33.44	19.94%	45.72	-22.26%	67.86	5.60%	8.56	-91.20%	18	38.34	-4.65%
	2004Q3	62.55	87.05%	69.73	52.52%	158.27	133.23%	5.31	-37.97%	19	65.41	70.61%
	2004Q4	71.24	13.89%	29.24	-58.07%	47.24	-70.15%	4.39	-17.33%	20	54.49	-16.69%
2005	2005Q1	27.07	-62.00%	66.78	128.39%	70.35	48.92%	119.58	2623.92%	21	42.9	-21.27%
	2005Q2	50.47	86.44%	63.65	-4.68%	93.8	33.33%	12.52	-89.53%	22	55.72	29.88%
	2005Q3	76.77	52.11%	98.6	54.91%	283.38	202.09%	4	-68.05%	23	85.48	53.42%
	2005Q4	70.21	-8.55%	48.69	-50.62%	87.26	-69.21%	7.02	75.50%	24	61.63	-27.90%
2006	2006Q1	35.93	-48.82%	75.33	54.71%	83.59	-4.21%	128.38	1728.77%	25	51.84	-16.21%
	2006Q2	68.56	90.82%	69.23	-8.10%	101.59	21.53%	13.94	-89.14%	26	68.83	33.29%
	2006Q3	87.47	27.58%	106.51	53.85%	309.06	204.22%	3.59	-74.25%	27	95.06	38.11%
	2006Q4	92.32	5.54%	34.96	-67.18%	61.42	-80.13%	3.37	-6.13%	28	69.45	-26.94%
2007	2007Q1	57.93	-37.25%	83.64	139.24%	95.24	55.06%	121.33	3497.33%	29	68.18	-1.83%
	2007Q2	112.91	94.91%	79.97	-4.39%	105.76	11.05%	21.92	-81.92%	30	99.77	46.33%
	2007Q3	115.9	2.65%	96.41	20.56%	265.21	150.77%	4.25	-80.61%	31	108.13	8.38%
	2007Q4	102.57	-11.50%	40.6	-57.88%	74.05	-72.08%	4.24	-0.24%	32	77.86	-27.99%
2008	2008Q1	56.57	-44.85%	84.07	107.07%	94.5	27.62%	158.02	3626.89%	33	67.53	-13.27%
	2008Q2	75.7	33.82%	86.59	3.00%	123.03	30.19%	21.25	-86.55%	34	80.94	18.53%
	2008Q3	106.6	40.82%	130.01	51.18%	373.95	203.95%	5.49	-74.16%	35	116.3	65.30%
	2008Q4	93.39	-12.38%	56.21	-57.06%	103.67	-72.28%	5.49	0.00%	36	78.56	-32.45%
2009	2009Q1	53.83	-42.36%	88.58	57.59%	85.69	-17.34%	254.36	4533.15%	37	67.69	-13.84%
	2009Q2	67.95	26.23%	82.99	-6.31%	116.04	35.42%	20.72	-91.85%	38	73.95	9.25%
	2009Q3	154.74	127.73%	122.58	47.70%	332.77	186.77%	5.79	-72.06%	39	141.92	91.91%
	2009Q4	166.86	7.83%	66.47	-45.77%	119.51	-64.09%	6.05	4.49%	40	126.83	-10.63%
2010	2010Q1	65.42	-60.79%	90.94	36.81%	85.41	-28.55%	233	3751.24%	41	79.6	-40.39%
	2010Q2	134.97	106.31%	97.93	7.69%	123.07	44.09%	31.51	-86.48%	42	120.2	58.99%
	2010Q3	177.36	31.41%	136.02	38.90%	338.27	174.86%	8.58	-72.77%	43	160.88	33.84%
	2010Q4	221.18	24.71%	64.36	-52.68%	110.63	-67.30%	8.93	4.08%	44	158.65	-1.39%
2011	2011Q1	102.7	-53.57%	129.1	100.56%	115.81	4.68%	438.73	4812.99%	45	113.22	-28.64%
	2011Q2	177.88	73.20%	117.93	-8.65%	143.27	23.71%	41.01	-89.98%	46	152.97	35.09%
	2011Q3	139.77	-21.42%	159.01	34.83%	383.89	167.95%	11.39	-74.06%	47	147.44	-6.24%
	2011Q4	133.42	-4.54%	64.9	-59.18%	106.46	-72.27%	9.79	-14.05%	48	106.09	-28.05%
2012	2012Q1	66.18	-50.40%	120.98	86.41%	110.13	3.44%	346.73	3441.57%	49	88.03	-17.02%
	2012Q2	133.18	101.24%	113.71	-6.01%	127.71	15.97%	45.83	-86.84%	50	125.42	42.47%
	2012Q3	124.65	-6.40%	121.97	7.26%	300.58	135.36%	6.09	-86.79%	51	123.58	-1.47%
	2012Q4	100.62	-19.28%	67.5	-44.66%	110.12	-63.36%	8.06	33.67%	52	87.41	-29.27%
2013	2013Q1	58.54	-41.82%	108.01	60.01%	110.73	0.55%	114.3	1318.11%	53	78.26	-10.47%
	2013Q2	119.03	103.33%	99.09	-8.26%	108.08	-2.39%	39.68	-65.28%	54	111.08	41.94%
	2013Q3	129.9	9.13%	134.39	35.62%	304.79	182.00%	8.77	-77.90%	55	131.69	18.55%
	2013Q4	120.56	-7.19%	61.29	-54.38%	83.34	-72.66%	11.51	31.24%	56	96.62	-26.40%
2014	2014Q1	66.42	-44.91%	140.55	129.29%	124.3	49.15%	375.59	3163.16%	57	95.97	-0.98%
	2014Q2	147.52	122.10%	111.02	-21.00%	124.73	0.35%	43.09	-88.53%	58	132.97	38.55%
	2014Q3	165.74	12.35%	115.32	3.87%	227.49	82.39%	8.86	-79.44%	59	145.63	9.52%
	2014Q4	119.48	-27.91%	64.66	-43.93%	99.2	-56.39%	4.15	-53.16%	60	97.82	-32.97%
2015	2015Q1	65.06	-45.55%	101.39	59.90%	67.75	-31.70%	323.16	7686.99%	61	80.35	-17.69%
	2015Q2	119.15	83.14%	74.34	-28.10%	75.51	11.45%	27.94	-91.35%	62	101.28	26.05%
	2015Q3	126.61	6.26%	102.2	37.48%	191.78	153.98%	7.16	-74.37%	63	116.88	15.40%
	2015Q4	101.77	-19.62%	64.62	-36.77%	83.18	-56.62%	11.05	53.69%	64	86.96	-25.60%
2016	2016Q1	65.55	-35.59%	111.04	71.84%	81.67	-1.83%	337.29	2952.40%	65	83.69	-3.76%
	2016Q2	107.68	64.27%	75.7	-31.83%	81.33	-0.42%	24.64	-92.69%	66	94.83	13.43%
	2016Q3	121.31	12.66%	142.83	88.68%	162.95	100.36%	21.21	-13.92%	67	129.89	36.83%
	2016Q4	105.46	-13.07%	70.43	-50.69%	74.06	-54.55%	16.86	-20.51%	68	91.49	-29.56%
2017	2017Q1	63.94	-39.37%	120.99	71.76%	72.79	-1.71%	474.93	2716.90%	69	86.69	-5.25%
	2017Q2	107.4	67.97%	113.55	-6.15%	94.74	30.16%	59.42	-87.49%	70	108.86	26.73%
	2017Q3	126.3	17.60%	187.65	65.26%	227.78	140.45%	28.27	-52.42%	71	150.76	57.23%
	2017Q4	123.21	-2.37%	83.81	-55.34%	97.86	-57.04%	16.62	-41.21%	72	107.56	-28.65%
2018	2018Q1	64.22	-47.92%	157.37	87.77%	105.96	8.28%	607.88	3557.52%	73	101.37	-5.75%
	2018Q2	114.39	78.12%	131.17	-16.65%	111.64	5.36%	67.56	-88.89%	74	121.08	19.44%
	2018Q3	144.28	26.13%	174.57	33.09%	255.11	128.51%	20.44	-69.75%	75	156.36	29.14%
	2018Q4	111.14	-22.97%	97.59	-44.10%	108	-57.67%	22.35	9.34%	76	105.74	-32.37%
2019	2019Q1	69.05	-37.87%	159.54	63.48%	109.5	1.39%	550.49	2363.04%	77	105.13	-0.58%
	2019Q2	119.3	72.77%	135.87	-14.84%	118.83	8.52%	68.81	-87.50%	78	125.9	19.76%
	2019Q3	147.73	23.83%	149.45	9.99%	210.96	77.53%	16.36	-76.22%	79	148.41	17.88%
	2019Q4	113.19	-23.38%	90.78	-39.26%	92.38	-56.21%	15.04	-8.07%	80	104.26	-29.75%
2020	Q1	52.23	-53.86%	127.96	-40.96%	68.92	-25.40%	346.97	2206.98%	81	82.44	-20.93%
	Q2	98.03	87.69%	77.25	-39.64%	56.36	-18.22%	51.5	-85.16%	82	89.74	8.85%

METALLIC	NON-METALLIC	OIL (also for gas)	OTHER NON-METALLIC (for coal)	MAQ

CAGR pre-pandemic	2.50%		2.19%		9.40%		-2.33%		2.38%			
CAGR peri-pandemic	2.26%		1.93%		8.50%		-0.79%		2.14%			
AAGR until 2019		13.98%		23.48%		111.04%		780.12%		6.89%		
Q2 2019 vs. Q2 2020		-17.83%		-43.14%		-52.57%		-25.16%		-28.72%		

	MAQ	Metallic Mining	Non-Metallic Mining	Oil (and Gas)	Coal (other non-metallic)
CAGR pre-pandemic	2.38%	2.50%	2.19%	9.40%	-2.33%
CAGR peri-pandemic	2.14%	2.26%	1.93%	8.50%	-0.79%
AAGR until 2019	6.89%	13.98%	23.48%	111.04%	780.12%
Q2 2019 vs. Q2 2020	-28.72%	-17.83%	-43.14%	-52.57%	-25.16%

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

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

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

date	total_cases
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

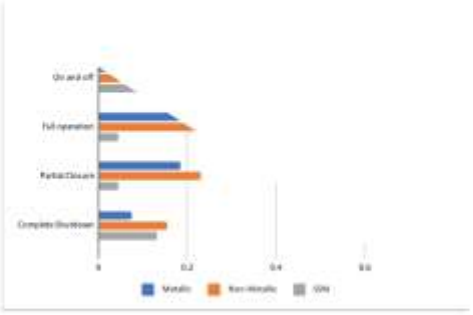
Peri-Pandemic Qualitative Survey (Metallic Mining, Non-Metallic, and SSM)

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	529,639	421,152	395,969	391,684	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	1,749,956	1,309,357	1,134,753
MAQ	40,944	43,539	40,310	38,530	42,484	45,149	37,032	37,161	33,503	31,869
Services	2,395,875	2,781,346	2,769,870	2,972,958	2,628,334	3,033,414	3,001,344	3,243,814	2,697,101	2,571,588
GROSS DOMESTIC PRODUCT	4,101,138	4,568,792	4,450,213	5,145,048	4,422,951	4,857,262	4,729,028	5,507,177	4,449,293	4,130,553

Commodity Price Indices (2016=100)

Commodity	Crude Oil	Natural Gas	Coal	Base Metals	Precious Metals
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	Base Metals Price Index, 2016 = 100, includes Aluminum, Cobalt, Copper, Iron Ore, Lead, Molybdenum, Nickel, Tin, Uranium and Zinc Price Indices	Precious Metals Price Index, 2016 = 100, includes Gold, Silver, Palladium and Platinum Price Indices
Data Type	Index	Index	Index	Index	Index
2018M1	149.22	155.09	155.44	136.61	107.90
2018M2	141.81	142.65	152.57	137.62	107.43
2018M3	143.34	139.09	146.08	132.47	106.60
2018M4	153.88	124.49	144.06	133.89	107.17
2018M5	167.08	132.98	157.78	134.35	104.85
2018M6	165.24	143.58	167.88	135.31	103.31
2018M7	167.92	149.46	172.74	126.91	99.58
2018M8	165.28	149.06	164.69	125.10	96.56
2018M9	174.66	162.72	163.48	124.52	96.50
2018M10	179.06	154.85	158.98	127.68	98.20
2018M11	146.29	161.98	147.78	125.88	98.82
2018M12	126.08	153.36	150.03	123.09	101.06
2019M1	131.42	133.18	145.34	124.92	104.84
2019M2	142.53	111.27	135.11	134.63	107.45
2019M3	148.88	102.54	128.62	136.34	106.38
2019M4	160.45	96.21	116.65	139.58	104.85
2019M5	157.12	91.08	114.94	136.63	104.08
2019M6	139.92	78.39	104.39	141.34	109.87
2019M7	144.45	78.89	106.29	147.53	114.48
2019M8	138.17	73.99	95.41	133.36	120.67
2019M9	142.33	80.85	94.13	134.73	122.84
2019M10	135.55	83.54	101.83	132.00	121.84
2019M11	142.60	96.16	109.96	126.89	120.13
2019M12	149.22	87.37	114.81	131.21	121.18
2020M1	145.14	76.92	119.18	133.35	129.02
2020M2	126.53	81.64	114.74	126.00	132.72
2020M3	76.22	60.00	101.16	120.11	126.84
2020M4	50.45	48.70	87.55	115.19	135.15
2020M5	72.25	43.83	80.47	121.64	137.30
2020M6	92.83	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	160.9	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

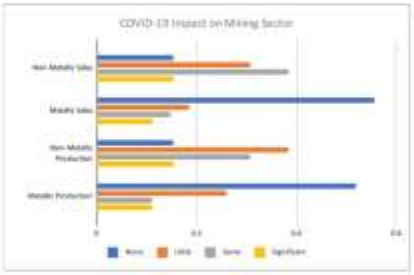
Peri-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)

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	3	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)

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

AAGR till 2019	**4.44%**
CAGR till 2019	**3.90%**
CAGR till 2020	**3.27%**

Exports of Goods (FOB in million USD)

		% Change
Jan-Mar 2018	16,906,391,406	
Jan-Mar 2019	16,575,519,078	-1.96%
Jan-Mar 2020	15,732,240,646	-5.09%
Apr-May 2018	17,490,354,081	
Apr-May 2019	18,001,746,366	2.92%
Apr-May 2020	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
	TOTAL	**66,854,541.22**	**60,406,739.75**	
		% Change	**-9.64%**	

MAQ Exports (FOB in million USD)

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

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

	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	2019Q2	2019Q3	2019Q4	2020Q1	2020Q2
Total MAQ	87.20	61.05	133.07	204.06	90.10	62.27	137.59	209.36	86.18	58.56
Total Metallic	63.73	109.86	93.95	159.32	63.87	114.85	97.32	172.14	62.18	102.49
Total Non-Metallic (including coal)	214.71	39.98	581.79	343.79	226.62	40.15	579.19	334.74	229.24	37.85
Crude Oil (for oil and gas)	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?

	Metallic	Non-Metallic
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
N=	27	13

	Metallic	Non-Metallic
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?

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

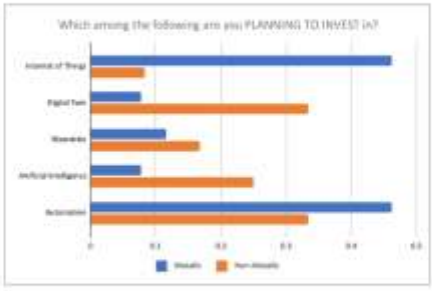
	Metallic	Non-Metallic
Automation	23%	33%
Artificial Intelligence	4%	33%
Wearables	12%	17%
Digital Twin	12%	33%
Internet of Things	42%	42%

Ex-Pandemic 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
N=	26	12

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



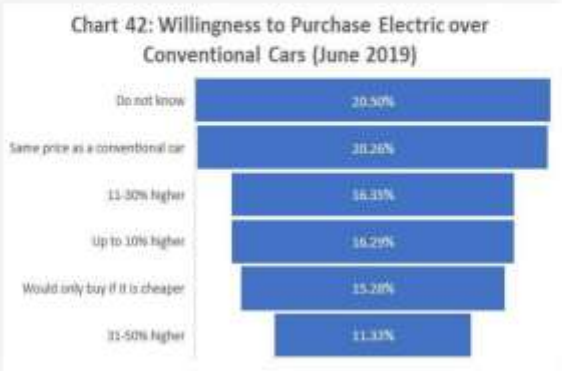
Share of Renewable Energy* in the Power Mix vis-à-vis Other Sources

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)

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

Sources of Electricity

	Coal	Gas	Hydro	Solar	Wind	Oil	Other Renewables	N=
2000	18%	22%	18%	0%	0%	15%	27%	1
2001	23%	23%	16%	0%	0%	16%	23%	2
2002	25%	22%	15%	0%	0%	16%	22%	3
2003	26%	23%	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	48%	19%	8%	1%	1%	11%	11%	20
AAGR	34.55%	20.20%	13.82%			13.92%	16.92%	
CAGR	4.93%	-0.72%	-3.94%			-1.49%	-4.26%	

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%

Ex-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	19
Indigenous People's Rights	6	1	18
Workers' health and safety	2	1	19
Employment terms and compensation	5	1	18
Licensing and contract negotiations	11	5	14
Foreign ownership	1	0	0
Continued tariffs on imports	0	1	0
N=	26	12	24

	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

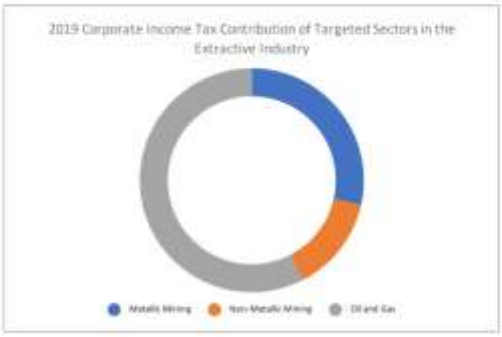
	Output from the initial 35/100 projects to be approved		Output with the remaining 65 projects in the pipeline	
Production	15.03	billion PHP	42.94	billion PHP
Export	0.59	billion USD	1.68	billion USD
GVA	11.59	billion PHP	33.11	billion PHP
Taxes and Fees Paid	2.89	billion PHP	8.26	billion PHP
Employment	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 130

USD Price of Gold per Ounce

		% Change	N=
2005	444.95		1
2006	604.34	35.81%	2
2007	696.43	15.24%	3
2008	872.37	25.26%	4
2009	973.66	11.61%	5
2010	1,226.66	25.98%	6
2011	1,573.16	28.25%	7
2012	1,668.86	6.08%	8
2013	1,409.51	-15.54%	9
2014	1,266.06	-10.18%	10
2015	1,158.86	-8.47%	11
2016	1,251.82	8.03%	12
2017	1,260.20	0.68%	13
2018	1,268.93	0.68%	14
2019	1,303.34	2.80%	15
2020	1,771.71	27.85%	16
AAGR (2005-2020)		10.70%	
CAGR (2005-2020)		9.68%	

BSP Non-Monetary Gold Exports (in million USD)

		% Change	N=
2005	78.53		1
2006	271.91	246%	2
2007	264.91	-3%	3
2008	437.83	64%	4
2009	258.13	-41%	5
2010	187.43	-27%	6
2011	436.00	133%	7
2012	471.87	8%	8
2013	312.37	-34%	9
2014	191.98	-39%	10
2015	165.18	-9%	11
2016	102.25	-31%	12
2017	689.85	38%	13
2018	1,153.23	67%	14
2019	1,394.34	21%	15
2020	1,229.06	-12%	16
AAGR (2005-2020)		33.15%	
CAGR (2005-2020)		19.16%	

2020 Data

Total Non-Monetary Gold Exports=	1.2	billion USD
Price of Gold per Ounce (USD)=	1,771.71	
	692,921.45	ounces of gold exported
	1 Kilo =	32.15 ounces
	21,552.77	**kilos of gold exported**
Number of Metallic Mines*=	50	
Number of Gold Mines*=	11	
	22%	**Share of Gold Mines in Total Metallic Mines**
	1,959.34	**kilos of gold exported per mine**
x	**62,992.86**	**ounces of gold exported per mine**
Number of Initial Mines to be Approved*=	35	
*from MGB	**8**	**of those initial mines are deemed to be gold**
	15,674.74	**kilos of additional exports**
Remaining Number of Mines in the Pipeline*=	65	
	14	**of those remaining mines are deemed to be gold**
	28,018.40	**kilos of additional exports**
	22	**projected new gold mines**
		mines with EO 130

Forecasted Gold Export Production (in kilos)

	Coterie Perilous		Additional Exports with EO 130							
	Short-Term Growth (a AAGR)	Long-Run Projection (a CAGR)	+8 Gold Mines Short-Term (a AAGR)	Long-Run (a CAGR)	+22 Long-Run (a CAGR)	Total Gold Exports Short-Term Growth	Long-Run Projection	(in ounces) Short-Term Growth	Long-Run Projection
2020	21,552.77	15,552.77				21,552.77	21,552.77	692,921.45	692,921.45
2021	30,025.75	15,767.71	15,674.74	15,674.74		45,700.49	31,442.49	1,469,270.75	1,332,370.19
2022	41,819.69	16,007.65	31,636.91	16,740.18		63,666.60	95,547.24	2,046,881.16	1,502,943.66
2023	58,274.89	16,691.88	30,421.60	22,405.13		88,696.49	98,236.99	2,851,566.01	1,804,960.17
2024		44,044.91			54,217.68		98,262.59		3,158,818.72
2025		52,046.68			64,820.72		117,467.58		3,778,595.13
2026		62,942.55			77,467.45		140,440.00		4,515,140.11
2027		75,251.97			92,653.12		167,905.29		5,398,155.14

Forecasted Price of Gold (in USD)

	Benchmark	Short-Term Growth (a AAGR)	Long-Run Projection (a CAGR)
2020	1,771.71		
2021		1,965.57	1,933.84
2022		2,173.71	2,108.41
2023		2,466.17	2,298.73
2024			2,506.34
2025			2,732.47
2026			2,979.13
2027			3,248.05

Forecasted Export Value of Gold (in million USD)

	Short-Term Growth	Long-Run Projection
2020	1,219.06	1,219.06
2021	1,885.01	1,575.01
2022	4,448.35	3,358.58
2023	6,861.93	4,377.66
2024		7,916.74
2025		10,319.58
2026		13,451.19
2027		17,533.47

Forecasted Export Value of Nickel with EV Market Growth and EO 130

	Nickel Production Volume (MT)	Production Value (PHP)	Peso-Dollar E/R	Production Value (USD)	Export Value of Nickel (USD)	% Share
2013	528,285	30,751,749,599	42.4462	724,016,510.29	14,116,898	1.95% ^
2014	409,131	59,769,317,981	44.3952	1,346,301,256.48	320,109,012	23.78%
2015	422,244	34,266,246,527	45.5028	753,057,977.25	329,103,715	43.70%
2016	347,835	23,717,299,173	47.4925	499,390,412.65	259,371,073	51.14%
2017	439,377	24,648,501,068	50.4047	489,021,659.28	444,307,448	90.86%
2018	344,969	28,879,995,398	52.1614	548,809,183.92	374,948,607	68.37%
2019	323,525	31,791,589,489	51.7958	613,787,014.55	392,720,469	63.98%
2020	333,962	38,859,100,139	49.6241	783,060,116.40	**446,121,775**	<--
					AAGR (2014-2019)=	**56.97%**

*or nickel mattes, nickel oxide sinters, and other intermediate products of nickel metallurgy (USD)
^ignored in the computation of AAGR given that the value is negligible

	Export Value of Nickel Mattes, etc.* (USD)	% Change	N=
2014	320,109,012		1
2015	329,103,715	2.81%	2
2016	255,371,073	-22.40%	3
2017	444,307,448	73.99%	4
2018	374,948,607	-15.61%	5
2019	392,720,469	4.74%	6
2020	446,121,775	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**=	29	
**from MGB		
	58%	**Share of Gold Mines in Total Metallic Mines**
	15.38	**million USD worth of exports per nickel mine**
Number of Initial Mines to be Approved**=	15	
	23	**of these initial mines are deemed to be nickel**
	307.67	**million USD worth of additional exports**
Remaining Number of Mines in the Pipeline**=	65	
	38	**of these remaining mines are deemed to be gold**
	584.57	**million USD worth of additional exports**

Forecasted Nickel Export Production (in USD million)

	Ceteris Paribus		Additional Exports with EO 130				
	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)	+20 Nickel Mines Short-Term (x AAGR)	Long-Run (x CAGR)	+38 Long-Run (x CAGR)	Total Nickel Exports Short-Term Growth	Long-Run Projection
2020	446.12	446.12				446.12	446.12
2021	488.59	467.79	307.67	307.67		796.26	775.46
2022	535.18	490.50	336.98	322.61		872.06	813.11
2023	586.04	514.32	369.04	338.28		955.08	852.60
2024		539.30			593.28		1,478.57
2025		565.48			584.89		1,550.38
2026		592.95			1,032.72		1,625.66
2027		621.74			1,082.87		1,704.61

Global EV Market Value and Philippine Nickel Exports Forecasts

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

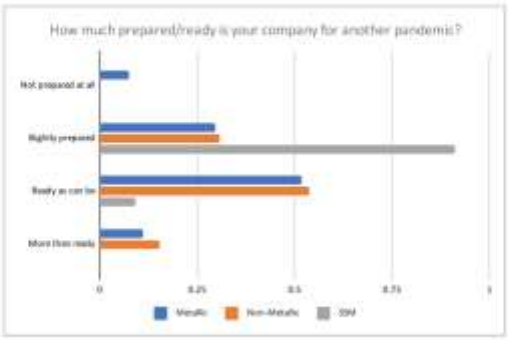
Peri-Pandemic Qualitative Survey

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%

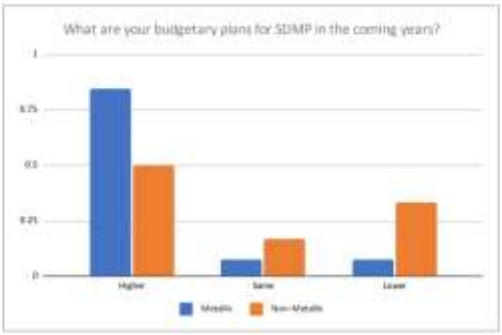


Ex-Pandemic Qualitative Survey (Metallic and Non-Metalling Mining)

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

	Metallic	Non-Metallic
Higher	22	6
Same	2	2
Lower	2	4
N=	26	12

	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%
Annual % Changes							
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%
Average Annual Growth Rate (AAGR)							
MAQ=	4.84%						
GDP=	8.38%						
Compounded Annual Growth Rate (CAGR)							
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%	Coal	10.47%
..Extraction of crude petroleum and natural gas	37,303	23.08%	Oil and Gas	23.08%
..Mining of precious metal ores	26,870	16.62%	Metallic Mining	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%	Non-Metallic Mining	31.11%
Gross Value Added in Mining and Quarrying	161,656			

Number of Employed Persons by Total Hours Worked: July 2019

		% Share
Philippines	42,951,883	
MAQ	210,961	0.49%
Hours Worked		
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%
Total Working	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	224,446,397	40.964549%
2	Malaysia	209,659,773	38.263787%
3	People's Republic of China	77,890,962	14.216170%
4	Republic of Korea	35,031,027	6.393443%
5	Vietnam	593,904	0.108386%
6	Cambodia (Democratic Kampuchea)	140,315	0.025609%
7	United States of America	60,590	0.011059%
8	Taiwan (Rep. of China)	35,068	0.006400%
9	Brunei Darussalam	11,476	0.002093%
10	Australia	11,304	0.002063%
11	France	9,504	0.001735%
12	Thailand	6,728	0.001228%
13	Indonesia	6,650	0.001214%
14	Papua New Guinea	890	0.000162%
15	Canada	3	0.000001%
		547,803,091	

Singapore	224,446,397
Malaysia	209,659,773
China	77,890,962
South Korea	35,031,027
Others	875,832

2019 Philippine Exports by Commodity Group (FOB in USD)

Coal

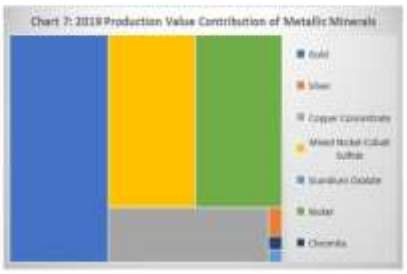
Rank			% Share
1	**China**	437,973,547	95.10%
2	**Thailand**	15,170,000	3.29%
3	**Taiwan**	5,057,500	1.10%
4	**India**	2,300,000	0.50%
5	**South Korea**	50,653	0.01%
		460,551,700	

2019 Production Value Contribution of Metallic Minerals (in PHP)

Gold	47,357,070,332
Silver	827,269,356
Copper Concentrate	18,456,262,112
Mixed Nickel-Cobalt Sulfide	31,700,955,961
Scandium Oxalate	358,356,578
Nickel	31,653,009,469
Chromite	390,566,251
	130,743,490,059

	% Share
Gold	36.22%
Mixed Nickel-Cobalt Sulfide	24.25%
Nickel	24.21%
Copper Concentrate	14.12%
Scandium Oxalate	0.27%
Chromite	0.30%
Silver	0.63%

		% Share
Total Mining= ~	196,000,000,000	
Metallic= ~	131,320,000,000	0.67%



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	2,074.55	6,233.37		
1980M5	5	513.79	2,076.75	6,000.77		
1980M6	6	600.72	2,006.20	6,294.83		
1980M7	7	644.28	2,175.96	6,622.17		
1980M8	8	627.15	2,081.16	6,584.51		
1980M9	9	673.63	2,059.11	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	6,169.46	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	12,880.00
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	338.97	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	414.89	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	412.84	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	381.68	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	1,364.68	4,773.23	43	11,080.00
1984M7	55	346.72	1,331.59	4,640.18	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	4,705.64	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	6,890.00
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	3,990.00
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	1,316.16	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	438.35	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	460.35	1,809.99	5,332.98	82	6,870.00
1987M10	94	465.36	1,966.52	5,682.33	83	6,550.00
1987M11	95	467.57	2,519.88	5,937.04	84	6,870.00
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	408.78	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	8,809.00	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	15,690.00
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	362.76	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	2,211.95	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	2,152.38	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	11,650.00
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	391.93	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	3,003.26	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	386.24	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	8,068.86	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	396.33	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	391.94	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	368.98	2,264.60	6,571.05	193	21,687.50
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	22,468.75
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	2,611.29	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	1,655.67	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	11,468.75
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	256.69	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	7,946.82	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	1,752.07	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	8,036.43	237	15,029.76
2000M9	249	273.53	1,961.89	8,624.81	238	16,681.82
2000M10	250	269.93	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	260.33	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	5,962.55	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	6,061.36	254	6,950.00
2002M2	266	295.29	1,561.37	6,039.95	255	6,765.48
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	378.92	1,925.58	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	42,958.85
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	14,563.75	290	33,487.84
2005M2	302	423.35	3,247.10	15,415.60	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	14,962.00	297	29,206.51
2005M9	309	456.05	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	596.15	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	627.83	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	8,020.59	31,156.00	323	59,468.67
2007M11	335	806.25	6,957.43	30,505.64	324	72,600.81
2007M12	336	803.20	6,630.74	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	95,022.92
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	25,656.50	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	19,111.80	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	30,601.63
2009M2	350	943.16	3,328.41	10,410.75	339	26,494.92
2009M3	351	924.27	3,770.88	9,710.73	340	29,165.11
2009M4	352	890.20	4,436.93	11,331.60	341	29,794.95
2009M5	353	928.84	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	996.59	6,195.75	17,404.64	346	32,312.21
2009M10	358	1,043.16	6,305.99	18,489.48	347	37,960.59
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	6,843.16	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	38,264.13
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	24,164.55	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	7,394.19	19,039.05	371	28,690.91
2011M11	383	1,738.98	7,581.02	17,873.00	372	30,808.75
2011M12	384	1,652.31	7,558.88	18,246.04	373	33,006.67
2012M1	385	1,656.12	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	8,060.93	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	1,348.80	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	29,993.23
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	31,697.20
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	1,097.38	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	26,296.59
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	1,266.57	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	5,754.56	9,971.46	434	43,005.00
2017M2	446	1,234.36	5,940.91	10,643.30	435	52,765.22
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	80,792.60
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	1,494.80	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
Commodity	**Gold**		**Copper**	**Nickel**		**Cobalt**
Compounded Monthly Growth Rate		**0.1633%**	**0.0577%**	**0.0122%**		**0.1223%**

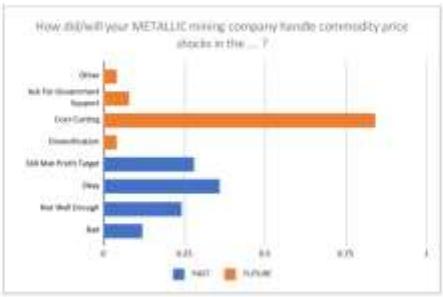
Ex-Pandemic Qualitative Survey (Metallic Mining)

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

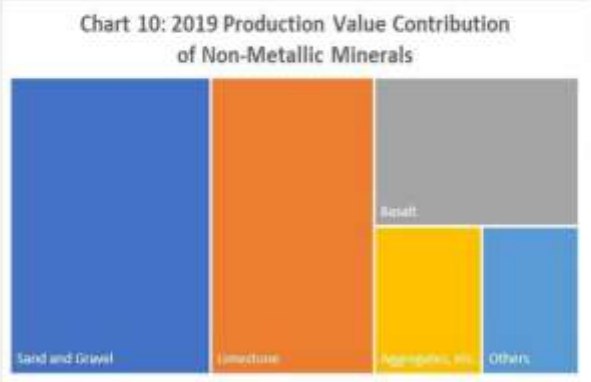
N= 25

	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)

	SAND AND GRAVEL	LIMESTONE	SILICA (for basalt)
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

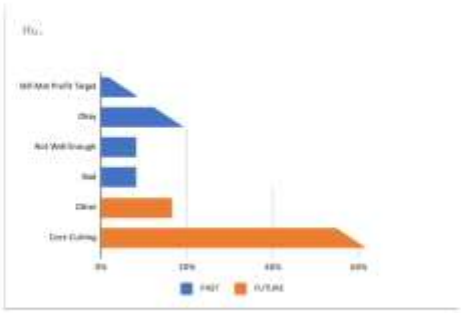
Ex-Pandemic Qualitative Survey (Non-Metallic Mining)

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=		
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	36	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	93	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	126	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	198	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	126
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	

Commodity	**Crude Oil**	**Natural Gas**	**Coal**
Compounded Monthly Growth Rate	**0.3040%**	**0.1405%**	**0.2247%**
	Crude Oil / Natural Gas	**Natural Gas / Coal**	**Crude Oil / Coal**
Correlation Coefficient	**0.8633**	**0.7262**	**0.8682**

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

	Q1	Q2	Q3	Q4	TOTAL
..Mining of coal	4,455	6,211	4,287	2,132	17,085
..Extraction of crude petroleum and natural gas	10,099	10,823	7,010	9,370	37,302
..Mining of gold ores and other precious metals	7,145	7,246	6,866	5,325	26,582
..Mining of nickel ores	4,360	7,939	6,082	2,382	20,763
..Mining of copper ores	2,670	2,572	2,366	2,532	10,140
..Stone quarrying, and other mining and quarrying	13,754	10,359	10,421	15,420	49,954
Gross Value Added in Mining and Quarrying	42,484	45,149	37,032	37,161	161,826

	% Share	
Coal	10.56%	
Oil and Gas	23.05%	
Non-Metals	30.87%	
Metals	35.52%	
Gold and Other Precious Metals		16.43%
Nickel and Copper		19.10%

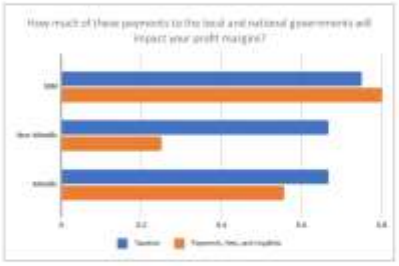
Ex-Pandemic Qualitative Survey (Metallic Mining, Non-Metallic, and SSM)

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

	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 Indices of GVA in MAQ

	Mining of Crude Petroleum and Natural Gas OIL AND GAS	Mining of Coal COAL	Mining of Gold Ores and Other Precious Metals GOLD, ETC.	Mining of Nickel Ores and Copper Ores OTHER METALS	Stone Quarrying and Other MAQ NON-METALS
2000Q1	191.9	59.9	24.9	124.65	82.3
2000Q2	49.8	48.2	28	90.4	92.8
2000Q3	41.1	72.7	27.4	75.35	109.7
2000Q4	58.1	38.1	28.6	117.45	99.3
2001Q1	70.9	67	27.6	115.95	79.6
2001Q2	57.4	47.5	28.6	100.5	83
2001Q3	56.2	81.6	30.6	65.8	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	84.9	35.5	68.5	104
2002Q4	80.5	43.8	35.2	106.7	96.3
2003Q1	98.6	43.4	39.6	119.9	85
2003Q2	58.4	48.8	38.4	116.4	85.1
2003Q3	66.3	88.3	37.8	99.1	94.2
2003Q4	81.1	51.4	43.7	165.4	85.2
2004Q1	90.6	43	44.8	160.5	80
2004Q2	56.9	39.8	40.5	150.5	74.8
2004Q3	115	151.3	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	61.9	43.1	264.6	94
2005Q3	143.2	148	49.2	205.9	129.2
2005Q4	114.7	49.5	45.6	219	87.5
2006Q1	109.8	62.1	48.6	153.4	92.3
2006Q2	72.6	57	57.3	256.2	88.8
2006Q3	145.9	130.7	59.6	245.25	112.7
2006Q4	112	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	64.6	280	72
2008Q1	101.8	54.6	71.2	173.3	78.5
2008Q2	78.2	70.9	72	341.55	86.3
2008Q3	163.4	135.9	79.9	170.8	103.4
2008Q4	109.1	44.8	74.7	123.35	81.2
2009Q1	108	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	132.6	36.5	99.7	154.35	81.6
2010Q1	147.3	50.4	95.2	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	98.2
2011Q2	72	76.4	129.4	187.1	97.5
2011Q3	163.6	161.9	149.5	144.2	114.6
2011Q4	125.9	51.1	120.9	180.4	65
2012Q1	133.7	67.1	127.4	93.8	77.4
2012Q2	62.5	69.8	122.3	173.55	81.8
2012Q3	160.9	87.5	134.8	123.3	83
2012Q4	137.3	40	123.5	169.45	62.7
2013Q1	135.7	55.5	118.8	73.85	75.6
2013Q2	57.4	63.5	97.7	147.5	74.7
2013Q3	160.2	118	109.5	116.5	93.2
2013Q4	152.6	52	96.6	173.1	66.1
2014Q1	156	66.4	99.9	68.35	75.1
2014Q2	64.7	61.2	94.5	150.05	70.3
2014Q3	154.8	98.9	102.1	133.45	85.2
2014Q4	122.1	43.6	88	170.5	64.4
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	46.7	85.6	126.35	69.6
2016Q1	96.5	48.9	90.6	56.25	76.2
2016Q2	59.4	58.6	97	108.5	78
2016Q3	110.7	136.9	116.3	93.45	114.5
2016Q4	99.7	52.1	95.1	138.6	75.6
2017Q1	121.5	63.2	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	129.3	76.6	102.3	86.6	92.6
2018Q2	55.4	113	100	141.95	106.2
2018Q3	160.9	234.5	104.3	117.7	134.3
2018Q4	133.4	57.3	93.2	153.95	85.5
2019Q1	129.9	67.2	100.2	78.3	101.2
2019Q2	53.9	75.8	101.6	135.3	98.7
2019Q3	145.5	127	129.1	126.35	125.8
2019Q4	125.5	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)

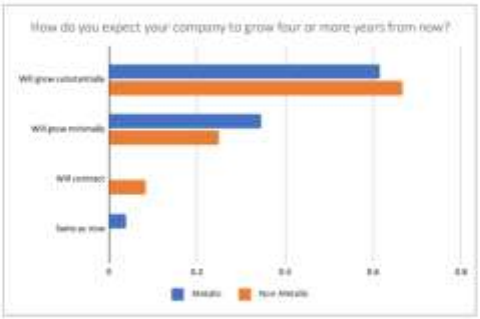
	REST OF GDP	REST OF INDUSTRY	N=	MAQ	% Change	TOTAL GDP	% Change
2000	4,752,051	2,178,911	1	56,452		6,985,383	
2001	4,935,171	2,182,088	2	54,421	-3.60%	7,198,384	3.05%
2002	5,119,511	2,254,704	3	81,125	49.07%	7,465,894	3.72%
2003	5,382,806	2,375,938	4	91,679	13.01%	7,845,677	5.09%
2004	5,789,672	2,472,063	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%
				MAQ		**GDP**	
			AAGR	6.54%		5.53%	
			CAGR	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%



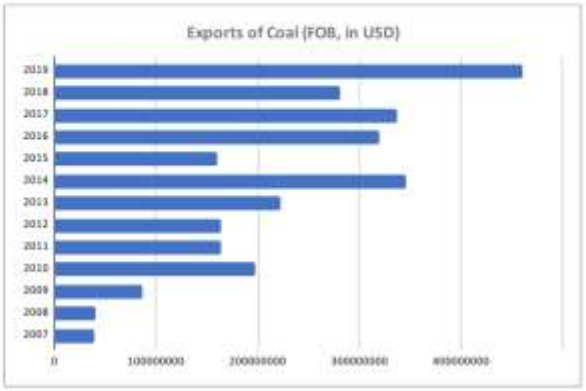
Exports of Commodities (FOB, in '000 USD)

	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	372,757.22		-	3,108.92	122,899.47		-
2001	2	10,338.07	94,491.38	200,939.84		-	2,393.96	112,116.83		-
2002	3	12,791.72	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
	AAGR	35.02%	
	CAGR	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)

			DIFFERENCES				
		N=		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	**Q2 to Q3 average growth**	**Q3 to Q4 average growth**
143.53%	-51.65%	

102.35%

Q2 vs. Q4

-66.13%

Ex-Pandemic Qualitative Survey (SSM)

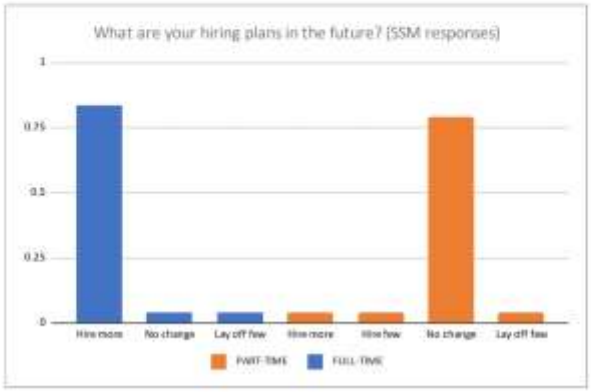
What are your hiring plans in the future?

	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 Indices on Gross Revenue by Sector (2016=100)

		METALLIC	% Change	NON-METALLIC	% Change	OIL (also for gas)	% Change	OTHER NON-METALLIC (for coal)	% Change	N=	MAQ	% Change
2000	2000Q1	15.88		18.07		0.07		98.02		1	15.83	
	2000Q2	23.2	47.96%	11.53	-28.25%	0.16	128.57%	8.34	-91.57%	1	18.55	17.18%
	2000Q3	34.35	48.06%	16.82	-45.88%	1.94	1112.50%	2.83	-66.07%	3	27.36	47.49%
	2000Q4	42.87	24.80%	8	-52.44%	2.53	30.41%	2.38	-15.90%	4	28.98	5.93%
2001	2001Q1	14.99	-65.03%	14.88	86.00%	4.75	87.75%	78.83	3212.18%	5	14.95	-48.38%
	2001Q2	29.76	98.53%	12.22	-17.88%	5.86	23.37%	4.49	-94.30%	6	22.77	52.31%
	2001Q3	35.38	18.88%	13.88	11.95%	7.28	24.23%	1.36	-69.71%	7	26.72	17.35%
	2001Q4	34.83	-1.55%	7.78	-43.13%	1.65	-77.34%	2.88	05.59%	8	24.04	-10.03%
2002	2002Q1	20.38	-41.49%	68.22	776.86%	88.72	5276.97%	86.91	3167.29%	9	39.46	64.14%
	2002Q2	29.85	46.47%	34.86	-48.90%	40.87	-53.95%	9.29	-89.32%	10	31.85	-19.29%
	2002Q3	44.93	50.52%	33.09	-5.08%	48.51	18.69%	2.43	-73.84%	11	40.21	26.25%
	2002Q4	44.71	-0.49%	13.46	-59.32%	9.79	-79.82%	2.9	19.34%	12	32.25	-19.80%
2003	2003Q1	24.97	-44.15%	42.17	213.30%	39.27	301.12%	72.97	2416.21%	13	31.83	-1.30%
	2003Q2	35.68	42.89%	41.15	-2.42%	55.41	36.01%	11.99	-83.57%	14	37.86	18.94%
	2003Q3	57.63	61.52%	67.08	63.01%	161.86	240.50%	2.4	-79.98%	15	61.4	62.18%
	2003Q4	66.36	15.15%	35.53	-47.03%	66.97	-63.17%	2.35	-2.08%	16	54.67	-11.94%
2004	2004Q1	27.88	-57.99%	58.81	65.52%	64.26	-4.05%	97.29	4040.00%	17	40.21	-25.63%
	2004Q2	33.44	19.94%	45.72	-22.26%	67.86	5.60%	8.56	-91.20%	18	38.34	-6.65%
	2004Q3	62.55	87.05%	69.73	52.52%	158.27	133.23%	5.31	-37.97%	19	65.41	70.61%
	2004Q4	71.24	13.89%	29.24	-58.07%	47.24	-70.15%	4.39	-17.33%	20	54.49	-16.69%
2005	2005Q1	27.07	-62.00%	66.78	128.39%	70.35	48.92%	119.58	2623.92%	21	42.9	-21.27%
	2005Q2	50.47	86.44%	63.65	-4.68%	83.8	31.33%	12.52	-89.53%	22	55.72	29.88%
	2005Q3	76.77	52.11%	98.6	54.91%	283.38	202.09%	4	-68.05%	23	85.48	53.42%
	2005Q4	70.21	-8.55%	48.69	-50.62%	87.26	-69.21%	7.02	75.50%	24	61.63	-27.90%
2006	2006Q1	35.93	-48.82%	75.33	54.71%	83.59	-4.21%	128.38	1728.77%	25	51.84	-16.21%
	2006Q2	68.56	90.82%	69.23	-8.10%	101.59	21.53%	13.94	-89.14%	26	68.83	33.29%
	2006Q3	87.47	27.58%	106.51	53.85%	309.06	204.22%	3.59	-74.25%	27	95.06	38.11%
	2006Q4	92.32	5.54%	34.96	-67.18%	61.42	-80.13%	3.37	-6.13%	28	69.45	-26.94%
2007	2007Q1	57.93	-37.25%	83.64	139.24%	95.24	55.06%	121.33	3497.33%	29	68.18	-1.83%
	2007Q2	112.91	94.91%	79.97	-4.39%	105.76	11.05%	21.92	-81.92%	30	99.77	46.33%
	2007Q3	115.9	2.65%	96.41	20.56%	265.21	150.77%	4.25	-80.61%	31	108.13	8.38%
	2007Q4	102.57	-11.50%	40.6	-57.88%	74.05	-72.08%	4.24	-0.24%	32	77.86	-27.99%
2008	2008Q1	56.57	-44.85%	84.07	107.07%	94.5	27.62%	158.02	3626.89%	33	67.53	-13.27%
	2008Q2	75.7	33.82%	86.59	3.00%	123.03	30.19%	21.25	-86.55%	34	80.94	18.53%
	2008Q3	106.6	40.82%	130.01	51.18%	373.95	203.95%	5.49	-74.16%	35	116.3	65.30%
	2008Q4	93.39	-12.38%	56.21	-57.06%	103.67	-72.28%	5.49	0.00%	36	78.56	-32.45%
2009	2009Q1	53.83	-42.36%	88.58	57.59%	85.69	-17.34%	254.36	4533.15%	37	67.69	-13.84%
	2009Q2	67.95	26.23%	82.99	-6.31%	116.04	35.42%	20.72	-91.85%	38	73.95	9.25%
	2009Q3	154.74	127.73%	122.58	47.70%	332.77	186.77%	5.79	-72.06%	39	141.92	91.91%
	2009Q4	106.86	7.83%	66.47	-45.77%	119.51	-64.09%	6.05	4.49%	40	126.83	-10.63%
2010	2010Q1	65.42	-60.79%	90.94	36.81%	85.41	-28.55%	233	3751.24%	41	79.6	-40.39%
	2010Q2	134.97	106.31%	97.93	7.69%	123.07	44.09%	31.51	-86.48%	42	120.2	58.99%
	2010Q3	177.36	31.41%	136.02	38.90%	338.27	174.86%	8.58	-72.77%	43	160.88	33.84%
	2010Q4	221.18	24.71%	64.36	-52.68%	110.63	-67.30%	8.93	4.08%	44	158.65	-1.39%
2011	2011Q1	102.7	-53.57%	129.1	100.56%	115.81	4.68%	438.73	4812.99%	45	113.22	-28.64%
	2011Q2	177.88	73.20%	117.93	-8.65%	143.27	23.71%	41.01	-89.98%	46	152.97	35.09%
	2011Q3	139.77	-21.42%	159.01	34.83%	383.89	167.95%	11.39	-74.06%	47	147.44	-6.24%
	2011Q4	133.42	-4.54%	64.9	-59.18%	106.46	-72.27%	9.79	-14.05%	48	106.09	-28.05%
2012	2012Q1	66.18	-50.40%	120.98	86.41%	110.13	3.44%	346.73	3441.57%	49	88.03	-17.02%
	2012Q2	133.18	101.24%	113.71	-6.01%	127.71	15.97%	45.83	-86.84%	50	125.42	42.47%
	2012Q3	124.65	-6.40%	121.97	7.26%	300.58	135.36%	6.09	-86.79%	51	123.58	-1.47%
	2012Q4	100.62	-19.28%	67.5	-44.66%	110.12	-63.36%	8.06	33.67%	52	87.41	-29.27%
2013	2013Q1	58.54	-41.82%	108.01	60.01%	110.73	0.55%	114.3	1318.11%	53	78.26	-10.47%
	2013Q2	119.03	103.33%	99.09	-8.26%	108.08	-2.39%	39.68	-65.28%	54	111.08	41.94%
	2013Q3	129.9	9.13%	134.39	35.62%	304.79	182.00%	8.77	-77.90%	55	131.69	18.55%
	2013Q4	120.56	-7.19%	61.29	-54.38%	83.34	-72.66%	11.51	31.24%	56	96.62	-26.40%
2014	2014Q1	66.42	-44.91%	140.55	129.29%	124.3	49.15%	375.59	3163.16%	57	95.97	-0.98%
	2014Q2	147.52	122.10%	111.02	-21.00%	124.73	0.35%	43.09	-88.53%	58	132.97	38.55%
	2014Q3	165.74	12.35%	115.32	3.87%	227.49	82.39%	8.86	-79.44%	59	145.63	9.52%
	2014Q4	119.48	-27.91%	64.66	-43.93%	99.2	-56.39%	4.15	-53.16%	60	97.82	-32.97%
2015	2015Q1	65.06	-45.55%	101.39	59.90%	67.75	-31.70%	323.16	7686.99%	61	80.35	-17.69%
	2015Q2	119.15	83.14%	74.34	-28.10%	75.51	11.45%	27.94	-91.35%	62	101.28	26.05%
	2015Q3	126.61	6.26%	102.2	37.48%	191.78	153.98%	7.16	-74.37%	63	116.88	15.40%
	2015Q4	101.77	-19.62%	64.62	-36.77%	83.18	-56.62%	11.05	53.69%	64	86.96	-25.60%
2016	2016Q1	65.55	-35.59%	111.04	71.84%	81.67	-1.83%	337.29	2952.40%	65	83.69	-3.76%
	2016Q2	107.68	64.27%	75.7	-31.83%	81.33	-0.42%	24.64	-92.69%	66	94.83	13.43%
	2016Q3	121.31	12.66%	142.83	88.68%	162.95	100.36%	21.21	-13.92%	67	129.89	36.83%
	2016Q4	105.46	-13.07%	70.43	-50.69%	74.06	-54.55%	16.86	-20.51%	68	91.49	-29.56%
2017	2017Q1	63.94	-39.37%	120.99	71.76%	72.79	-1.71%	474.93	2716.90%	69	86.69	-5.25%
	2017Q2	107.4	67.97%	113.55	-6.15%	94.74	30.16%	59.42	-87.49%	70	108.86	26.73%
	2017Q3	126.3	17.60%	187.65	65.26%	227.78	140.45%	28.27	-52.42%	71	150.76	57.23%
	2017Q4	123.31	-2.37%	83.81	-55.34%	97.86	-57.04%	16.62	-41.21%	72	107.56	-28.65%
2018	2018Q1	64.22	-47.92%	157.37	87.77%	105.96	8.28%	607.88	3557.52%	73	101.37	-5.75%
	2018Q2	114.39	78.12%	131.17	-16.65%	111.64	5.36%	67.56	-88.89%	74	121.08	19.44%
	2018Q3	144.28	26.13%	174.57	33.09%	255.11	128.51%	20.44	-69.75%	75	156.36	29.14%
	2018Q4	111.14	-22.97%	97.59	-44.10%	108	-57.67%	22.35	9.34%	76	105.74	-32.37%
2019	2019Q1	69.05	-37.87%	159.54	63.48%	109.5	1.39%	550.49	2363.04%	77	105.13	-0.58%
	2019Q2	119.3	72.77%	135.87	-14.84%	118.83	8.52%	68.81	-87.50%	78	125.9	19.76%
	2019Q3	147.73	23.83%	149.45	9.99%	210.96	77.53%	16.36	-76.22%	79	148.41	17.88%
	2019Q4	113.19	-23.38%	90.78	-39.26%	92.38	-56.21%	15.04	-8.07%	80	104.26	-29.75%
2020	Q1	52.23	-53.86%	127.96	-40.96%	68.92	-25.40%	346.97	2206.98%	81	82.44	-20.93%
	Q2	98.03	87.69%	77.25	-39.64%	56.36	-18.22%	51.5	-85.16%	82	89.74	8.85%

		METALLIC		NON-METALLIC		OIL (also for gas)		OTHER NON-METALLIC (for coal)			MAQ	

CAGR pre-pandemic	2.50%		2.19%		9.40%		-2.33%		2.38%	
CAGR peri-pandemic	2.26%		1.93%		8.50%		-0.79%		2.14%	
AAGR until 2019		13.98%		23.48%		111.04%		780.12%		6.89%
Q2 2019 vs. Q2 2020		-17.83%		-43.14%		-52.57%		-25.16%		-28.72%

	MAQ	Metallic Mining	Non-Metallic Mining	Oil (and Gas)	Coal (other non-metallic)
CAGR pre-pandemic	2.38%	2.50%	2.19%	9.40%	-2.33%
CAGR peri-pandemic	2.14%	2.26%	1.93%	8.50%	-0.79%
AAGR until 2019	6.89%	13.98%	23.48%	111.04%	780.12%
Q2 2019 vs. Q2 2020	-28.72%	-17.83%	-43.14%	-52.57%	-25.16%

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

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

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

date	total_cases
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

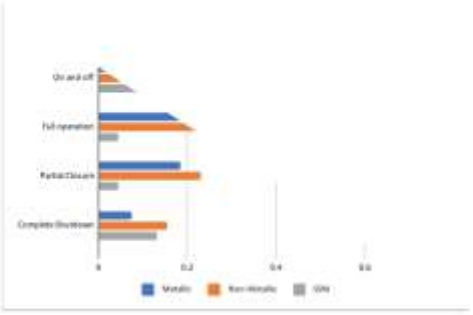
Peri-Pandemic Qualitative Survey (Metallic Mining, Non-Metallic, and SSM)

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	529,639	421,152	395,969	391,684	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	1,749,956	1,309,357	1,134,753
MAQ	40,944	43,539	40,310	38,530	42,484	45,149	37,032	37,161	33,503	31,869
Services	2,395,875	2,781,346	2,769,870	2,972,958	2,628,334	3,033,414	3,001,344	3,243,814	2,697,101	2,571,588
GROSS DOMESTIC PRODUCT	4,101,138	4,568,792	4,450,213	5,145,048	4,422,951	4,857,262	4,729,028	5,507,177	4,449,293	4,130,553

Commodity Price Indices (2016=100)

Commodity	Crude Oil	Natural Gas	Coal	Base Metals	Precious Metals
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	Base Metals Price Index, 2016 = 100, includes Aluminum, Cobalt, Copper, Iron Ore, Lead, Molybdenum, Nickel, Tin, Uranium and Zinc Price Indices	Precious Metals Price Index, 2016 = 100, includes Gold, Silver, Palladium and Platinum Price Indices
Data Type	Index	Index	Index	Index	Index
2018M1	149.22	155.09	155.44	136.61	107.90
2018M2	141.81	142.65	152.57	137.62	107.43
2018M3	143.34	139.09	146.08	132.47	106.60
2018M4	153.88	124.49	144.06	133.89	107.17
2018M5	167.08	132.98	157.78	134.35	104.85
2018M6	165.24	143.58	167.88	135.31	103.31
2018M7	167.92	140.46	172.74	126.91	99.58
2018M8	165.28	149.06	164.69	125.10	96.56
2018M9	174.66	162.72	163.48	124.52	96.50
2018M10	179.06	154.85	158.98	127.68	98.20
2018M11	146.29	161.98	147.78	125.88	98.82
2018M12	126.08	153.36	150.03	123.09	101.06
2019M1	131.42	133.18	145.34	124.92	104.84
2019M2	142.53	111.27	135.11	134.63	107.45
2019M3	148.88	102.54	128.62	136.34	106.38
2019M4	160.45	96.21	116.65	139.58	104.85
2019M5	157.12	91.08	114.94	136.63	104.08
2019M6	139.92	78.39	104.39	141.34	109.87
2019M7	144.45	78.89	106.29	147.53	114.48
2019M8	138.17	73.99	95.41	133.36	120.67
2019M9	142.33	80.85	94.13	134.73	122.84
2019M10	135.55	83.54	101.83	132.00	121.84
2019M11	142.60	96.16	109.96	126.89	120.13
2019M12	149.22	87.37	114.81	131.21	121.18
2020M1	145.14	76.92	119.18	133.35	129.02
2020M2	126.53	81.64	114.74	126.00	132.72
2020M3	76.22	60.00	101.16	120.11	126.84
2020M4	50.45	48.70	87.55	115.19	135.15
2020M5	72.25	43.83	80.47	121.64	137.30
2020M6	92.83	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	160.9	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

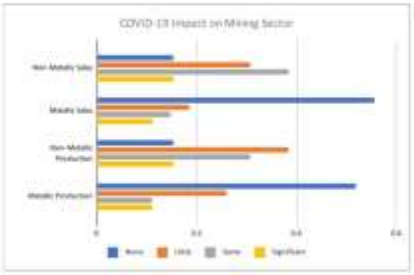
Peri-Pandemic Qualitative Survey (Metallic and Non-Metallic Mining)

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	3	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)

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

AAGR till 2019	**4.44%**
CAGR till 2019	**3.90%**
CAGR till 2020	**3.27%**

Exports of Goods (FOB in million USD)

		% Change
Jan-Mar 2018	16,906,391,406	
Jan-Mar 2019	16,575,519,078	-1.96%
Jan-Mar 2020	15,732,240,646	-5.09%
Apr-May 2018	17,490,354,081	
Apr-May 2019	18,001,746,366	2.92%
Apr-May 2020	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
	TOTAL	**66,854,541.22**	**60,406,739.75**	
		% Change	**-9.64%**	

MAQ Exports (FOB in million USD)

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

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

	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	2019Q2	2019Q3	2019Q4	2020Q1	2020Q2
Total MAQ	87.20	61.05	133.07	204.06	90.10	62.27	137.59	209.36	86.18	58.56
Total Metallic	63.73	109.86	93.95	159.32	63.87	114.85	97.32	172.14	62.18	102.49
Total Non-Metallic (including coal)	214.71	39.98	581.79	343.79	226.62	40.15	579.19	334.74	229.24	37.85
Crude Oil (for oil and gas)	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?

	Metallic	Non-Metallic
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
N=	27	13

	Metallic	Non-Metallic
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?

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

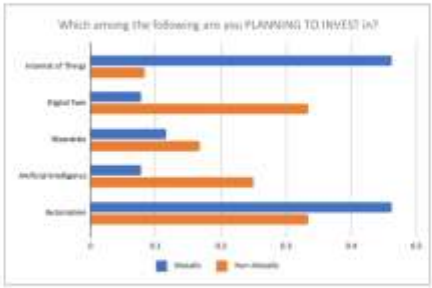
	Metallic	Non-Metallic
Automation	23%	33%
Artificial Intelligence	4%	33%
Wearables	12%	17%
Digital Twin	12%	33%
Internet of Things	42%	42%

Ex-Pandemic 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
N=	26	12

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



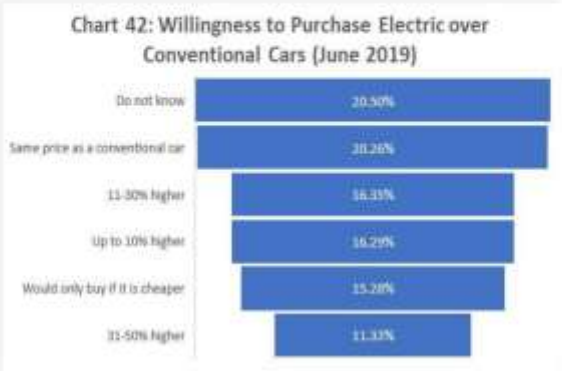
Share of Renewable Energy* in the Power Mix vis-à-vis Other Sources

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)

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

Sources of Electricity

	Coal	Gas	Hydro	Solar	Wind	Oil	Other Renewables	N=
2000	18%	22%	18%	0%	0%	15%	27%	1
2001	23%	23%	16%	0%	0%	16%	23%	2
2002	25%	22%	15%	0%	0%	16%	22%	3
2003	26%	23%	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	48%	19%	8%	1%	1%	11%	11%	20
AAGR	34.55%	20.20%	13.82%			13.92%	16.92%	
CAGR	4.93%	-0.72%	-3.94%			-1.49%	-4.26%	

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%

Ex-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	19
Indigenous People's Rights	6	1	18
Workers' health and safety	2	1	19
Employment terms and compensation	5	1	18
Licensing and contract negotiations	11	3	14
Foreign ownership	1	0	0
Continued tariffs on imports	0	1	0
N=	26	12	24

	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

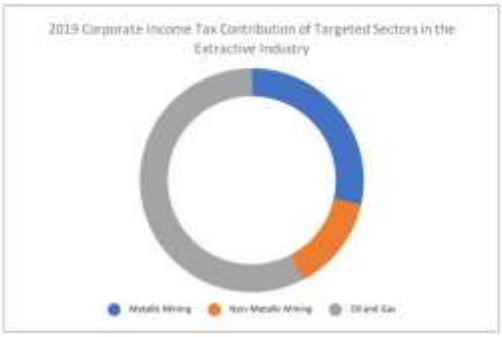
	Output from the initial 35/100 projects to be approved		Output with the remaining 65 projects in the pipeline	
Production	15.03	billion PHP	42.94	billion PHP
Export	0.59	billion USD	1.68	billion USD
GVA	11.59	billion PHP	33.11	billion PHP
Taxes and Fees Paid	2.89	billion PHP	8.26	billion PHP
Employment	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 130

USD Price of Gold per Ounce		% Change	N=
2005	444.99		1
2006	604.34	35.81%	2
2007	696.43	15.24%	3
2008	872.37	25.26%	4
2009	973.66	11.61%	5
2010	1,226.66	25.98%	6
2011	1,573.16	28.25%	7
2012	1,668.86	6.08%	8
2013	1,409.51	-15.54%	9
2014	1,266.06	-10.18%	10
2015	1,158.86	-8.47%	11
2016	1,251.82	8.03%	12
2017	1,260.39	0.68%	13
2018	1,268.93	0.68%	14
2019	1,393.34	9.80%	15
2020	1,773.73	27.30%	16
AAGR (2005-2020)		10.70%	
CAGR (2005-2020)		9.60%	

BSP Non-Monetary Gold Exports (in million USD)		% Change	N=
2005	70.53		1
2006	271.91	286%	2
2007	264.91	-3%	3
2008	437.80	64%	4
2009	258.13	-41%	5
2010	187.43	-25%	6
2011	436.00	133%	7
2012	471.87	8%	8
2013	312.37	-34%	9
2014	231.98	-26%	10
2015	255.18	8%	11
2016	552.25	117%	12
2017	689.85	30%	13
2018	1,153.22	67%	14
2019	1,394.34	21%	15
2020	1,225.06	-12%	16
AAGR (2005-2020)		39.31%	
CAGR (2005-2020)		19.16%	

2020 Data

Total Non-Monetary Gold Exports=	1.2	billion USD
Price of Gold per Ounce (USD)=	1,773.73	
	692,921.45	ounces of gold exported
	1 kilo=	32.15 ounces
	21,552.77	**kilos of gold exported**
Number of Metallic Mines*=	58	
Number of Gold Mines*=	13	
	22%	**Share of Gold Mines in Total Metallic Mines**
	1,658.04	**kilos of gold exported per mine**
=	**62,992.86**	**ounces of gold exported per mine**
Number of Initial Mines to be Approved*=	35	
*from MGB	**8**	**of these initial mines are deemed to be gold**
	15,674.74	**kilos of additional exports**
Remaining Number of Mines in the Pipeline*=	65	
	14	**of these remaining mines are deemed to be gold**
	28,018.40	**kilos of additional exports**
	22	**projected new gold mines**
		mines with EO 130

Forecasted Gold Export Production (in kilos)

	Ceteris Paribus		Additional Exports with EO 130			Total Gold Exports		(in ounces)	
	Short-Term	Long-Run	+8 Gold Mines		+22				
	Growth	Projection	Short-Term	Long-Run	Long-Run	Short-Term	Long-Run	Short-Term	Long-Run
	(x AAGR)	(x CAGR)	(x AAGR)	(x CAGR)	(x CAGR)	Growth	Projection	Growth	Projection
2020	21,552.77	21,552.77				21,552.77	21,552.77	692,921.45	692,921.45
2021	30,025.75	25,767.73	15,674.74	15,674.74		45,700.49	41,442.48	1,469,270.71	1,332,370.19
2022	41,829.60	30,807.05	21,836.81	18,740.18		63,666.40	49,547.24	2,046,881.16	1,592,943.66
2023	58,274.89	36,831.26	30,421.60	22,405.13		88,695.49	59,236.39	2,851,566.31	1,904,469.27
2024		44,034.01			54,217.68		98,252.53		3,158,818.72
2025		52,646.08			64,820.72		117,467.50		3,776,595.13
2026		62,942.55			77,497.45		140,440.00		4,515,140.11
2027		75,251.97			92,653.12		167,905.29		5,398,155.14

Forecasted Price of Gold (in USD)

	Benchmark	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)
2020	1,773.73		
2021		1,963.57	1,933.44
2022		2,173.72	2,108.41
2023		2,406.37	2,298.73
2024			2,506.28
2025			2,732.47
2026			2,979.13
2027			3,248.05

Forecasted Export Value of Gold (in million USD)

	Short-Term Growth	Long-Run Projection
2020	1,229.06	1,229.06
2021	2,885.01	2,576.01
2022	4,448.31	3,358.58
2023	6,861.93	4,377.86
2024		7,916.74
2025		10,319.58
2026		13,451.19
2027		17,533.47

Forecasted Export Value of Nickel with EV Market Growth and EO 130

	Nickel Production Volume (MT)	Production Value (PHP)	Peso-Dollar E/R	Production Value (USD)	Export Value of Nickel (USD)	% Share
2013	528,285	30,751,749,599	42.4462	724,016,510.29	14,116,898	1.95% ^
2014	409,131	59,769,317,981	44.3952	1,346,301,256.48	320,109,012	23.78%
2015	422,244	34,266,246,527	45.5028	753,057,977.25	329,103,715	43.70%
2016	347,835	23,717,299,173	47.4925	499,390,412.65	259,371,073	51.14%
2017	439,377	24,648,501,068	50.4047	489,021,659.28	444,307,448	90.86%
2018	344,969	28,879,995,398	52.1614	548,809,183.92	374,948,607	68.37%
2019	323,525	31,791,589,489	51.7958	613,767,014.55	392,720,469	63.98%
2020	333,962	38,859,100,139	49.6241	783,068,116.40	**446,121,775**	<--
					AAGR (2014-2019)=	**56.97%**

*or nickel mattes, nickel oxide sinters, and other intermediate products of nickel metallurgy (USD)
^ignored in the computation of AAGR given that the value is negligible

	Export Value of Nickel Mattes, etc.* (USD)	% Change	N=
2014	320,109,012		1
2015	329,103,715	2.81%	2
2016	255,371,073	-22.40%	3
2017	444,307,448	73.99%	4
2018	374,948,607	-15.61%	5
2019	392,720,469	4.74%	6
2020	446,121,775	13.60%	7
	AAGR (2014-2019)=	**0.52%**	
	CAGR (2014-2020)=	**4.86%**	

2020 Data

Total Nickel* Exports=	446.12	million USD
Number of Metallic Mines**=	50	
Number of Nickel Mines**=	29	
**from MGB		
	58%	**Share of Gold Mines in Total Metallic Mines**
	15.38	**million USD worth of exports per nickel mine**
Number of Initial Mines to be Approved**=	15	
	20	**of these initial mines are deemed to be nickel**
	307.67	**million USD worth of additional exports**
Remaining Number of Mines in the Pipeline**=	65	
	38	**of these remaining mines are deemed to be gold**
	584.57	**million USD worth of additional exports**

Forecasted Nickel Export Production (in USD million)

	Ceteris Paribus		Additional Exports with EO 130				
	Short-Term Growth (x AAGR)	Long-Run Projection (x CAGR)	+20 Nickel Mines Short-Term (x AAGR)	Long-Run (x CAGR)	+38 Long-Run (x CAGR)	Total Nickel Exports Short-Term Growth	Long-Run Projection
2020	446.12	446.12				446.12	446.12
2021	488.59	467.79	307.67	307.67		796.26	775.46
2022	535.10	490.50	336.98	322.61		872.08	813.11
2023	586.04	514.32	369.04	338.28		955.08	852.60
2024		539.30			939.28		1,478.57
2025		565.48			984.89		1,550.38
2026		592.95			1,032.72		1,625.66
2027		621.74			1,082.87		1,704.61

Global EV Market Value and Philippine Nickel Exports Forecasts

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

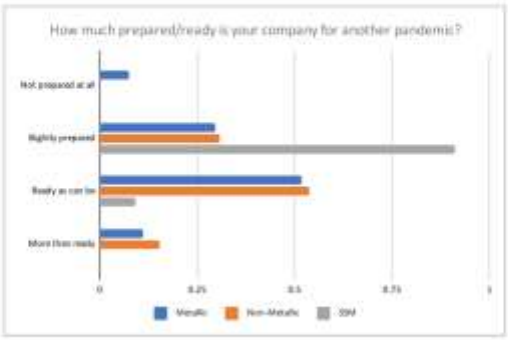
Peri-Pandemic Qualitative Survey

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
N=	26	12

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