



Eastern Visayas Mineral Profile

Region: Eastern Visayas (Region VIII)

Population (as of 2015): 4,440,150

Income classification: 1st Class

Major economic activities: farming, fishing, mining

Total Land Area: 2,225,343 hectares processing, milkfish (*bangus*) cultivation

Economic Growth

The Philippine government commits to provide a competitive investment climate and adequate protection of the rights and privileges of mining investors.

Gross Output

PhP 470, 440,649.00

Estimated production value of sand and gravel and chromite concentrate produced in Eastern Visayas for 2019.

Export

Php 356,531,840 or US\$ 7,107,154.56

Total estimated export value of chromite concentrate exported to China by Chromiteking, Inc. MOA with Techiron Resources, Inc.

Employment

826 (employed, as of 2019)

The estimated number of individuals employed in the mining industry in Eastern Visayas cover both workers in the metallic and non-metallic industries and encompasses managerial, supervisory, clerical and mine workers.

271 of the estimated number of individuals employed in the mining industry are women.

While estimates vary, it is conservatively projected that for every basic job in the mining company about four (4) non-basic and indirect jobs may be generated in the upstream and downstream sectors.

Taxes & Fees Paid

PhP 19,751,007.79

Amount of national and local taxes, fees and royalties generated and contributed to the Philippine economy in 2019 by operating mining companies in Eastern Visayas.

Extraction and other fees

PhP 13,037,806.00

Amount collected by the respective Provincial Treasurer's Offices from the mining industry as of 2019.

The Philippine government promotes the rational exploration, development, utilization and conservation of mineral resources guided by its commitment to responsible minerals development.



Mineral Resources Development Projects

Leyte (1 Magnetite sand mine)

-Strong Built (Mining) Development Corporation (SBMDC).

Samar

2 chromite mines

-Chromiteking Mining Corp. operated by Techiron Res. Inc.

- Mt. Sinai Resources and Exploration Corporation

1 nickel mines

-Emir Mineral Resources Corporation

Social Equity and Development

The Philippine government recognizes the rights and participation of the communities and indigenous peoples and ensures the fair and equitable sharing of benefits among the company, the government and host communities

Land Area and Mineral Potential

The region has a total land area of 2,225,343 hectares. The total area covered by approved mining rights is only 2.23% or 49,581.7565 hectares of the total land area of the region.

It is important to note that out of the region's total land area, only 0.07% or 1,580 hectares are covered by operating mines out of 49,581.7565 approved mining rights

Environmental Protection and Rehabilitation

The Philippine government ensures the adequate protection of the environment, before, during mining operations and beyond the life of the mine.

Social Development and Management

PhP 9,722,608.72 (as of December 2019)

Amount committed by operating mines for the development of their host and neighboring communities through their approved Social Development and Management Program. Around 6 barangays stand to benefit from the implementation of approved SDMP of the mining company.

Environmental Protection and Rehabilitation

PhP 17,564,830.64 Million

Amount committed by operating mines for the implementation of approved plans/programs/projects/activities under their Environmental Protection and Enhancement Program, and Final Mine Rehabilitation and/or Decommissioning Plan, respectively for 2019.

Mining Forest Program

8,963 seedlings as of December 2019

Number of seedlings planted by operating mines in more than 5 hectares of mined-out and other areas for 2019. The total number of seedlings planted by mining companies in the province is 180,383 in 148,3875 hectares of mined-out areas and other areas as of end of December 2019

EASTERN VISAYAS

Mineral Profile

I. GENERAL INFORMATION

Region: *Eastern Visayas (Region VIII)*

Population (as of 2015): 4,440,150

Income classification: 1st Class

Major economic activities: *farming, fishing, mining*

Total Land Area: 2,225,343 hectares



Eastern Visayas or Region VIII is composed of the main Islands of Leyte, Biliran, and Samar joined by the famous 2.7 kilometers San Juanico Steel Bridge (Leyte – Samar) spanning across the San Juanico Strait. It is composed of six (6) provinces, namely, Leyte, Southern Leyte, Biliran, Samar (Western Samar), Eastern Samar and Northern Samar, one highly urbanized city, one independent component city, five component cities, 136 municipalities and 4,390 barangays. The highly urbanized city of Tacloban is the Eastern Visayas Regional Center (EVRC). The provinces and cities occupy the easternmost islands of the Visayas group of islands.

Eastern Visayas is one of the three regions situated in the middle of the Philippines and serves to link the islands of Luzon and Mindanao through

the National Maharlika Highway that runs through it. It is bounded on the east and north by the Leyte Gulf, Philippine Sea and the Pacific Ocean with the San Bernardino Strait separating Samar island from southeastern Luzon; on the west by the Maqueda Bay, Camotes and Visayan seas, and on the south by the Bohol Sea with the Surigao Strait separating Leyte island from northwestern Mindanao.

It has a total land area of 2,225,343 hectares or 7.2% of the country's total land area.

The region's sea and inland waters are rich sources of salt and fresh water fish and other marine products. It is one of the fish exporting regions of the country. There are substantial forest reserves in the interiors of the islands. Its mineral deposits include chromite, uranium (in Samar), gold, silver, manganese, magnesium, bronze, nickel, clay, coal, limestone, pyrite and sand and gravel.

Eastern Visayas is primarily an agricultural region with rice, corn, coconut, sugarcane and banana as its major crops. Primary sources of revenue are manufacturing, wholesale and retail trade and services. Mining, farming, fishing and tourism contribute significantly to the economy. Manufacturing firms include mining companies, fertilizer plants, sugar central, rice and corn mills and other food processing plants. Tacloban is the hub of investment, trade and development in the region.

Other industries include coconut oil extraction, alcohol distilling, beverage manufacture and forest products. Home industries include hat and basket weaving, metal craft, needlecraft, pottery, ceramics, woodcraft, shell craft and bamboo craft.

II. LAND AREA AND MINERAL POTENTIAL

The region has a total land area of 2,225,343 hectares. The total area covered by approved mining rights is only 2.23% or 49,581.7565 hectares of the total land area of the region.

It is important to note that out of the region's total land area, only 0.07% or 1,580 hectares are covered by operating mines out of 49,581.7565 approved mining rights.

Number of Mining Rights Issued by MGB Region-8

TENEMENT TYPE	APPROVED MINING RIGHTS (AREA)	NUMBER
MINERAL PRODUCTION SHARING AGREEMENT (MPSA)	48,954.7505	18
SAND AND GRAVEL INDUSTRIAL PERMIT (SGIP)	267.8682	28
MINAHANG BAYAN	80.0000	5
TOTAL	49,302.6187 has.	41

III. MINERAL RESOURCES DEVELOPMENT PROJECTS

Eastern Visayas hosts four (4) metallic mines:

	Mining Projects/ Operators
2 chromite mines	<ul style="list-style-type: none">• Chromiteking Mining Corp. operated by Techiron Res. Inc. located in Homonhon Island, Guiuan, Eastern Samar• Mt. Sinai Resources and Exploration Corporation located in Homonhon Island, Guiuan, Eastern Samar
1 nickel mine	<ul style="list-style-type: none">• Emir Mineral Resources Corporation
1 magnetite sand mine	<ul style="list-style-type: none">• Strongbuilt Mining Development Corp. located in MacArthur, Leyte.

IV. ECONOMIC CONTRIBUTION

➤ Gross Regional Domestic Product (GRDP)

The Mining and Quarrying operations of the Permit Holders issued by this Office contributed an estimated of PhP470 million to the total GRDP of the Region VIII for 2019 which is comparatively higher than the contribution of the mining industry last year.

GRDP is the aggregate of gross value added (GVA) of all resident producer units in the region. Addition of the GRDP of all regions will yield the Gross Domestic Product.

The tables below show the production and sales of mining and quarrying for CY 2019.



TABLE-1
MINES AND GEOSCIENCES BUREAU REGIONAL OFFICE No. 8
Mineral Production By Mineral Commodity
2019

Mineral Commodity / Mineral Products	Unit Used	PRODUCTION 2019	
		Quantity	Value in Pesos (based on Selling Price)
Copper (Metal)	MT		
Chromite (Large Scale)	DMT	45,476.00	356,531,840.00
Chromite (Small Scale)	DMT	5,084.00	11,437,183.00
Gold	Kg	-	-
Silver	Kg	-	-
Total Mettalics		50,560.00	367,969,023.00
Quicklime	MT		
Rivermix	CU.M	-	-
Sand & Gravel	CU.M	267,732.30	102,471,626.00
Slaked Lime/Hydrated	MT		
Stones/Cobbles/Boulders	CU.M		
TOTAL METALLICS		50,560.00	367,969,023.00
TOTAL NON METALLICS		267,732.30	102,471,626.00
TOTAL METALLICS AND NON-METALLICS for MGB REGION 8		318,292.30	470,440,649.00



MINES AND GEOSCIENCES BUREAU
REGIONAL OFFICE NO.: VIII
MINERAL SALES BY MINERAL COMMODITY
Period 2019

Mineral Commodity / Mineral Products	Unit Used	CY 2019	
		Quantity	Value in Pesos
Chromite	DMT	50,560.00	367,969,023
Total Metallics			367,969,023
Sand & Gravel	CU.M	219,845.20	86,994,550.50
Total Non-Metallics			86,994,551
TOTAL METALLICS			367,969,023
TOTAL NON METALLICS			86,994,551
TOTAL METALLICS AND NON-METALLICS for MGB REGION 8			454,963,574

➤ **Production**

The Region's metallic production and exportation of chromite concentrate of Chomiteking, Inc. operated by Techiron, Inc. and the lone operating mines engaged in large-scale mining, for Calendar Year 2019 increased compared to its production last year. Among the cited reasons for such decrease include; unfavorable weather condition and low milling ore/low tons milled. On the other hand, the production of the small scale mining increased due to the renewal of the two (2) small-scale mining contractors. There are now four (4) small-scale mining contractors for CY 2019.

Production of Metallic Minerals By Chomiteking, Inc. (operated by Techiron, Inc.)

CY	Production (Quantity) (MT)	Value (in peso)
2018	51,484.83	376,540,747.20
2019	45,476.00	356,531,840.00

The non-metallic production of Sand and Gravel increased due to the high demand for Sand and Gravel in the Region and due to the increase of approved Sand and Gravel Industrial Permits (SGIP). By the end of 2019, there were twenty-eight (28) approved Sand and Gravel Industrial Permits. The total volume of production of sand and gravel for 2019 increased 267,732.30 cubic meters with the value of PhP 102,471,626.00 pesos.

Production of Non-Metallic Minerals for CY 2019

CY	Production (Quantity) (CU.M.)	Value (in peso)
2018	180,423.46	63,912,049.20
2019	267,732.30	102,471,626.00

➤ **EXPORTS**


- For CY 2019, total chromite concentrate exported was 45,476.00 metric tons valued at 356,531,840.00million.

Chromite Concentrate Exports, 2019

Country of Destination/ Name of Company	Quantity	Exports Value	
	MT	Value (PhP)	Value (US \$)
CHINA			
Chromiteking, Inc.	45,476.00	356,531,840.00	7,107,164.56
TOTAL			

➤ EMPLOYMENT

For 2019, there are 826 personnel currently employed in both operating metallic and non-metallic mines in the region. The employment rate increased due to the increase in the number of permit holders issued by this Office.

 MINES AND GEOSCIENCES BUREAU REGIONAL OFFICE No. 8 ANNUAL EMPLOYMENT OF OPERATING METALLIC and NON-METALLIC MINES & QUARRIES YEAR 2019						
PROVINCE	Contractor/Permit Holder	Mining Tenements/Permit	Location	EMPLOYMENT 2019		
				Female	Male	Total
Eastern Samar				65	504	569
	Cambayas Mining Corporation. On May 2016, Assigned to Chromiteking and Operated by Techiron Resources, Inc.	MPSA-292-2009-VIII	Homonhon Island, Guiuan, Eastern Samar	64	330	394
	Minahang Bayan of Waso Small Scale Mining Producers Association, Strong "K" Waso Miners Association, Binalay Small Scale Mining Producers Association, Small Scale Mining Association (VILABIN).	SSMC-01-2016-VIII SSMC-02-2016-VIII SSMC-03-2016-VIII SSMC-04-2016-VIII	Lorente, Eastern Samar	1	174	175
						-
Samar				1	1	2
				1	1	2
Northern Samar						-
						-
Leyte				204	46	250
	Various Sand and Gravel Permit Issued by MGB-RO8		Leyte	200	38	238
	Strong Built (Mining) Development Corp.	MPSA-254-2007-VIII	Dulag, Mayorga, MacArthur, Javier and Abuyog, Leyte	4	8	12
						-
Southern Leyte				2	5	7
	Various Sand and Gravel Permit Issued by MGB-RO8		Southern, Leyte	2	5	7
Biliran						-
						-
TOTAL				271	555	826

**Employment data is based on the notarized Monthly Production, Sales and Employment Data Report submitted by mining companies to the Mines and Geosciences Report under Chapter XXIX, Section 270 of DAO No. 2010-21.*

➤ TAXES AND EXTRACTION PAID

The amount of excise tax generated from mine operators and permit holders increased due to the surge in production for both metallic and non-metallic minerals. Excise tax is imposed on the actual market value of the gross output of mineral products at the time of removal.

ESTIMATED EXCISE TAX PAID FOR METALLIC MINERALS

CY	Estimated Excise Tax (PhP)
2018	12,105,045.06
2019	15,356,537.78

ESTIMATED EXCISE TAX PAID FOR NON-METALLIC MINERALS

CY	Estimated Excise Tax (PhP)
2018	2,067,656.45
2019	4,394,740.01

The estimated extraction fees also increased due to the increase in production and the approved sand gravel permits for CY 2019. Extraction fees are imposed on every cubic meter of non-metallic minerals extracted and paid to the Provincial/City Treasurer concerned in accordance with pertinent provisions of the Local Government Code.

ESTIMATED EXTRACTION FEES PAID FOR NON-METALLIC MINERALS

CY	Estimated Extraction Fees Paid (PhP)
2018	7,295,258.80
2019	12,635,156.00

V. SOCIAL DEVELOPMENT AND MANAGEMENT

Total amount committed by the mining companies in the region for the development of their host and neighboring communities through their approved Social Development and Management Program (SDMP) is Php5,956,299.86. Around six (6) barangays stand to benefit from the implementation of approved community/social projects.

SDMP refers to the comprehensive 5-Year plan of the Contractor authorized to conduct actual mining and milling operations towards the sustained improvement in the living standards of the host and neighboring communities by creating responsible, self-reliant and resource-based communities capable of developing, implementing and managing community development programs, projects, and activities in a manner consistent with the principle of people empowerment.

Summary of Approved 5-Year Social Development and Management Programs (SDMP), By Region

Mining Company	Commitment in PhP (based on 2019 Annual Approved SDMP)
Chromiteking Inc. – Techiron Resources Inc.	5,693,129.24
EMIR	206,278.84
Mt. Sinai (CMP)	20,000.00
Strong Built (CMP)	36,891.78
Total	5,956,299.86

SDMP OF CHROMITEKING INC. Operator: TECHIRON RESOURCES, INC.

A. Livelihood Programs

- Cassava Flour Processing
- Organic Turmeric Powder
- Food processing
- Pig dispersal
- Provision of fishing gear

B. Health Program

- Medical Assistance and provision of medicine
- Feeding program for malnourished children and provision of medicines
- Garbage collection and proper waste disposal
- Provision of medical kits/equipment
- Expansion of garbage dump site at Brgy. Cagusuan

C. Human Resources & Development Programs

❖ Public Utilities

- Construction of Culasi Bridges and Tabuk Bridge
- Road repair and maintenance and support services
- Repair of Canawayon Elementary School stage
- Improvement of Senior Citizen Social Hall
- Establishment of farm-to-market road

❖ Services

- Community lighting (daily fuel subsidy)
- Improvement of water system

D. Educational Support Programs

❖ College Scholarship

❖ Miscellaneous fees of 3rd and 4th year high school students

❖ Financial Assistance (3rd and 4th year High School)

❖ Support Services

- Sasakyan Ko Kabuwason Mo (School Service)
- Improvement of school facilities
- School Banner Program
- On-the-Job Training
- Subsidy of volunteer teachers
- Assistance in the establishment of school library
- Assistance to moving up and graduation ceremonies

E. Information, Education & Communication (IEC) Campaign

- IEC community presentations
- Publications/Media (Kasayuran newsletter)
- 2019 Calendar

F. Socio-cultural support

- Financial assistance for barangay fiesta celebrations
- Maintenance of Magellan's Shrine
- Financial assistance for the annual celebration of Magellan's landing
- Sports assistance
- Peace and order assistance

SDMP OF EMIR Mineral Resources Corporation

A. Assistance to Infrastructure Development and Support Services

- Service Vehicle Support

B. Protection and respect of Socio-Cultural Services

- Support for Electrification
- Fuel Assistance
- Financial Assistance for town fiesta celebration
- Financial support to the basketball tournament of SK
- Financial support for Barangay Council for the provision of Christmas gifts to every family of Brgy. Canawayon
- Financial support for Christmas party of Barangay Health Workers

C. Access to Health Services Program

- Regular Collection of Garbage
- Community Cleanup Drive

D. Information Education Campaign

- Attendance to regular sessions of Sangguniang Barangay
- Social Development and Management Program Planning Workshop
- IEC on Child Labor Policy Executive Order 92

SDMP OF STRONG BUILT MINING DEVELOPMENT CORP.

A. Health and Sanitation

- Nutrition Month Celebration

B. Education

- Brigada Eskwela
- Barangay Development Planning Workshop

C. Socio-Cultural

- Founding Anniversary/Barangay Festival
- Cash provision for Annual Fiesta Celebration activities
- Financial Assistance for Christmas Party

D. Public Utilities

- Clearing of barangay access road
 - Provision of 50 pieces LED bulbs
 - Provision of 6 pieces empty drums for streetlights posts

SDMP OF MT. SINAI MINING DEVELOPMENT CORPORATION

A. Support Services

- Fuel subsidy

VI. ENVIRONMENTAL PROTECTION AND MANAGEMENT

The total amount committed by the mining companies operating in the province for the implementation of their approved plans/programs/projects/activities under their Environmental Protection and Enhancement Programs (EPEP) is P17,171,277.40.

EPEP refers to the comprehensive and strategic environmental management plan for the life of the mining project on which Annual EPEPs are based and implemented to achieve the environmental management objectives, criteria and commitments including protection and rehabilitation of the disturbed environment.

The total also covers the amount committed by the mining companies operating in the province for the Final Mine Rehabilitation and/or Decommissioning Plans (FMR/DP). FMR/DP is an integral component of the EPEP that specifically deals with mine closure. While Final Mine Rehabilitation and/or Decommissioning Fund is the financial mechanism established by a Contractor/Operator to support the implementation of the FMR/DP.

**Figures in both programs are not yet approved by the MGB-Central Office*

➤ MINING FOREST PROGRAM

A total 8,963 seedlings were planted by operating mines in more than 5 hectares of mined-out and other areas for 2019.

The total number of seedlings planted by mining companies in the province is 180,383 in 148.3875 hectares of mined-out areas and other areas as of end of December 2019.