Region: Region V (Bicol)
Province: Albay
Composite Cities: 3
Municipality: 15
Barangays: 720
Population (as of 2015 Census):
Total: 1,314,826
Income Classification: 1st Class Province
Major economic activities: Agricultural, Fishery, Mining, Industrial, Commercial and Service Centers

Economic Contribution

Php 2.707 Billion or 1.7%
Estimated Gross Regional Domestic Product (GRDP) of Region V from mining and quarrying at constant 2000 prices. It accounted 2.704% Billion with a percentage contribution of 1.7% of the total GRDP of the Region in 2016.

Mining Investments
US$ 102 Million or Php 5.3 Billion
Total reported investments of mining projects in Albay. (estimated as of December 2016)

Gross Output
RRMI
Copper: 180,218.73 DMT valued at Php 8.4 Billion
Zinc: 144,396.63 DMT valued at Php 3.4 Billion
Gold: 4,302.57 DMT valued at Php 7.8 Billion
Silver: 65,571.21 DMT valued at Php 1.9 Billion
(Estimated, 2016)

IRDC/GCC
Limestone: 16.99 Million Cement bags produced (Estimated, 2016)

UBS Marketing
Perlite ore: 15,166.50 MT valued at Php 9.1 Million (Estimated, 2016)

Exports
RRMI
Copper: 186,068.28 DMT valued at Php 9.3 Billion
Zinc: 136,742.94 DMT valued at Php 3.2 Billion
Gold: 5,351.02 DMT valued at Php 7.9 Billion
Silver: 95,345.65 DMT valued at Php 2.04 Billion (estimated, March 23, 2016)
South Korea is the company’s major market.

IRDC/GCC
Php 3.30 Billion (Estimated, 2016) Bicol and neighboring Regions are the company’s major markets.

UBS Marketing
Perlite ore: 11,366.40 MT valued at Php 8.5 Million (Estimated, 2016) Minerals extracted are being delivered to the processing plant in Sta. Rosa, Laguna.

Employment
1,973 average employment as of December 2016 in the mining companies, this includes ancillary and indirect jobs.

Taxes and Fees Paid
Php 2.6 Billion (as of 2016)
Amount of national and local taxes, fees and royalties generated and contributed to the Philippine economy by operating mines in the province.

Mineral Resources in the Province
(estimated Reserve in MT)
Gold, Silver & Copper 9,794,000
Iron - 17,500
Pyrite - 5,304,500
Limestone - 393,000,000
Marble - 165,537,008
Guano - 6,877
Phosphate rock - 188,581
Perlite - 9,670,940
Red Clay - 3,278,000
Bentonite - 427,316
Kaolin - 189,000

Land Area and Mineral Potential
257,577 has Total land area of Albay in hectares.
0.49% or 1,262.65 hectares (as of April 2017) Percentage of the Albay’s total land area covered by mining tenements.

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 Program
Php 137 Million (as of June 2017)
Amount spent by operating mines for the development of their host and neighboring communities through their approved Social Development and Management Program. 14 barangays stand to benefit from the implementation of approved SDMP of the companies.

Environmental Protection and Rehabilitation
Php 11.22 Million and Php 333 Million (as of June 2017)
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.

Mining Forest Program
199,643 seedlings (as of June 2017)
Number of seedlings planted by operating mines in more than 274,538 hectares of mined-out and other areas.

“Mining shall be pro-people and pro-environment in sustaining wealth creation and improved quality of life”

© Mines and Geosciences Bureau June 2017
**CATANDUANES**  
**Mineral Profile**

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

---

**Economic Contribution**

Php 2.707 Billion or 1.7%  
Estimated Gross Regional Domestic Product (GRDP) of Region V from mining and quarrying at constant 2000 prices. It accounted 2.704% Billion with a percentage contribution of 1.7% of the total GRDP of the Region in 2016.

**Mining Investments**

No Data.

**Gross Output**

No Data.

**Export**

No Data.

**Employment**

No Data.

**Taxes and Fees Paid**

No Data.

**Mineral Resources in the Province**

(Estimated Reserves in MT)

- Iron: 63,000
- Manganese: 158,385
- Limestone: 404,000,000
- Marble: 8,514,411
- Guano: 4,537
- Phosphate rock: 1,752
- White Clay: 3,600

**Land Area and Mineral Potential**

149,216 has  
Total land area of Catanduanes in hectares.

It is worth noting that no mining operation is being conducted in the Province of Catanduanes pursuant to Proclamation no. 123 dated June 23, 1987. The said proclamation declared parts of Catanduanes as a Watershed Forest Reserve which covers 10 Municipalities for a 26,010 has. area.

**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.

**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.

---

**Economic Growth**

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

**Mineral Resources Development Projects**

- 11 LGU issued Permits
  - Quarry Permits

---

“Mining shall be pro-people and pro-environment in sustaining wealth creation and improved quality of life”
Region: Region V (Bicol)  
Province: Camarines Norte  
City:  
Municipality: 12  
Barangays: 282  
Population (2015 Census):  
Total: 583,313  
Density: 250/km²  
Income Classification: 2nd Class Province  
Major economic activities: Agricultural, Fishery, Mining, Industrial, and Commercial and Service Centers  

Economic Contribution  
Php 2.707 Billion or 1.7%  
Estimated Gross Regional Domestic Product (GRDP) of Region V from mining and quarrying at constant 2000 prices. It accounted 2.704% Billion with a percentage contribution of 1.7% of the total GRDP in the Region in 2016.  

Mining Investments  
US$ 720,000 or Php 36 Million  
(estimated, as of December 2000)  

Gross Output  
Gold: 144.74 MT valued at Php 167.53 Million  
(production report from 1999 to 2015)  

Export  
Php 167.71 Million Total estimated value of gold. (production report from 1999 to 2015)  
The minerals extracted by the mining company are being purchased by local markets in the country  

Employment  
103 average employed from 1999 to 2015 (estimated, December 2016)  
While estimates vary, it is conservatively projected that for every basic job in the mining company about four (4) ancillary and indirect jobs may be generated in the upstream and downstream sectors.  
The emergence of small enterprises/businesses in the host and neighboring communities due to the presence of mining operations in the area, and the livelihood projects supported by the mining companies, which generate both employment and income, cannot be discounted. These economic activities will naturally stimulate the local economy.  

Taxes and Fees Paid  
Php 3.7 Million (as of 2015)  
Amount of national and local taxes, fees and royalties generated and contributed to the Philippine economy by operating mines in the province.  

Land Area and Mineral Potential  
232,007 has  
Total land area of Camarines Norte in hectares.  

0.003% or 9 hectares (as of April 2017)  
Percentage of Camarines Norte’s total land area covered by mining tenements. However, it should be emphasized that said area is still subject to the mandatory relinquishment as provided by law.  

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 Program  
Php 1.7 Million (as of December 2016)  
Amount spent by operating mine for the development of their host and neighboring communities through their approved Social Development and Management Program. Around seven (7) barangays stand to benefit from the implementation of approved SDMP of the company.  

Environmental Protection  
Php 627,776.52 (as of January 2017)  
Amount committed by operating mines for the implementation of approved plans/programs/projects/activities under their Environmental Protection and Enhancement Program.  

Mining Forest Program  
8,245 seedlings (as of June 2017)  
Number of seedlings planted by operating mines in more than 16.49 hectares of mined-out and other areas.  

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.

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

Mineral Resources Development Projects  
1 Gold Mine  
- Luklukan Norte Gold Project (Johon Gold Mining Corporation) – Temporarily suspended its operation on November 2011  

Mineral Resources in the Province  
(Estimated Reserve in MT)  
Gold, Silver&Copper - 19,626,271  
Iron - 18,212,970  
Lead & Zinc - 377,037  
Limestone - 13,500,000  
Marble - 1,375,200  
Red Clay - 240,000,000  
White Clay - 4,000  
Silica Sand - 38,000,000  
Siliceous Clay - 65,000  
Bull Quartz - 400,000  
Diatomaceous Earth - 758,600

“Mining shall be pro-people and pro-environment in sustaining wealth creation and improved quality of life”

© Mines and Geosciences Bureau June 2017
CAMARINES SUR
Mineral Profile

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

Economic Contribution

Php 2,707 Billion or 1.7%
Estimated Gross Regional Domestic Product (GRDP) of Region V from mining and quarrying at constant 2000 prices. It accounted 2.704% Billion with a percentage contribution of 1.7% of the total GRDP of the Region in 2016.

Mining Investments

US$ 242,166.80 or Php 13 Million
(estimated, as of December 2015)

Gross Output
Perlite ore: 1,269 MT valued at Php 1.52 Million (estimated, June 2017)

Export
Perlite ore: 745 MT valued at Php 894,240 (estimated, June 2017)
Raw perlite is brought to the local markets in Metro Manila.

Employment

18
Average employment as of June 2017 While estimates vary, it is conservatively projected that for every basic job in the mining company about four (4) ancillary and indirect jobs may be generated in the upstream and downstream sectors.

The emergence of small enterprises/businesses in the host and neighboring communities due to the presence of mining operations in the area, and the livelihood projects supported by the mining companies, which generate both employment and income, cannot be discounted. These economic activities will naturally stimulate the local economy.

Taxes and Fees Paid

Php 17,884 (CY 2016)
Amount of excise tax contributed to the Philippine economy by operating mines in the province.

Land Area and Mineral Potential

549,703 has
Total land area of Camarines Sur in hectares.

0.03% or 141.142 hectares (as of April 2017)
Percentage of the Camarines Sur total land area covered by mining tenements. However, it should be emphasized that said area is still subject to the mandatory relinquishment as provided by law.

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 Program

Php 1.3 Million (as of January 2017)
Amount committed by operating mine for the development of their host and neighboring communities through their approved Social Development and Management Program 2 host barangays stand to benefit from the implementation of approved SDMP of the companies.

Environmental Protection

Php 1.3 Million (as of March 2010)
Amount committed by operating mine for the implementation of approved plans/programs/projects/activities under their Environmental Protection and Enhancement Program.

Mining Forest Program

850 seedlings (as of June 2017)
Number of seedlings planted by operating mines in more than 1.7 hectares of mined-out and other areas.

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.

Mineral Resources Development Projects

1 Perlite Mine
- Perlite Mining Project (Orophil Stonecraft, Inc.)

Mineral Resources in the Province

(Estimated Reserves in MT)

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron</td>
<td>300,000</td>
</tr>
<tr>
<td>Chromite</td>
<td>117,000</td>
</tr>
<tr>
<td>Manganese</td>
<td>20,000</td>
</tr>
<tr>
<td>Pyrite</td>
<td>20,000</td>
</tr>
<tr>
<td>Limestone</td>
<td>423,722,079</td>
</tr>
<tr>
<td>Marble</td>
<td>4,375,200</td>
</tr>
<tr>
<td>Guano</td>
<td>7,982</td>
</tr>
<tr>
<td>Phosphate rock</td>
<td>35,486</td>
</tr>
<tr>
<td>Perlite</td>
<td>17,000,000</td>
</tr>
<tr>
<td>White Clay</td>
<td>99,799,239</td>
</tr>
<tr>
<td>Sulfur</td>
<td>300</td>
</tr>
</tbody>
</table>

“Mining shall be pro-people and pro-environment in sustaining wealth creation and improved quality of life”
MASBATE
Mineral Profile

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

Economic Contribution

PhP 2,704 Billion or 1.7% of the total GRDP
Estimated Gross Regional Domestic Product (GRDP) of Region V, Bicol from mining and quarrying at constant 2000 prices. It accounted 2,704 Billion with a percentage contribution of 1.7% of the total GRDP of the Region in 2016.

Mining Investments

US$ 209 Million or PhP10.7 Billion
(estimated, as of October 2016)

Gross Output

Gold and Silver (From 2009-July 2017)
Gold : 44,585.95 kg valued at PhP 86.22 Billion.
Silver: 38,584.44 kg valued at PhP 1.2 Billion.

Export

Gold : US$ 1.897 Billion or PhP 85.454 Billion
Silver : US$ 57.39 Million or PhP 2.619 Billion
(From 2009 to July 2017)
Total estimated export value of gold with a quantity of 45,097.23 kg valued at US$ 1,897 Billion of PhP 85.454 Billion and silver with a quantity of 38,781.06 kg valued at US$ 57.39 Million or PhP 2.619 Billion. These minerals are being shipped to Switzerland.

Employment

1,887 average employment as of July 2017. While estimates vary, it is conservatively projected that for every basic job in the mining company about four (4) ancillary and indirect jobs may be generated in the upstream and downstream sectors.

The emergence of small enterprises/businesses in the host and neighboring communities due to the presence of mining operations in the area, and the livelihood projects supported by the mining companies, which generate both employment and income, cannot be discounted. These economic activities will naturally stimulate the local economy.

Taxes and Fees Paid

PhP 6,206 Billion (From 2006 to May 2017)
Amount of national and local taxes, fees and royalties generated and contributed to the Philippine economy by operating mines in the province.

Land Area and Mineral Potential

404,707 ha
Total land area of MBT in hectares.

0.101% or 419.6683 hectares
(asia April 2017)
Percentage of the MBT’s total land area covered by mining tenements. However, it should be emphasized that said area is still subject to the mandatory relinquishment as provided by law.

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 Program

PhP 415 Million (as of July 2017)
Amount spent by operating mine for the implementation of the approved Social Development and Management Program from 2009 to 2016 to 33 barangays of Aroroy, Masbate.

Environmental Protection and Rehabilitation

PhP 234,350,000 Million (as of January 2017)
Amount committed by operating mines for the implementation of approved plans/programs/projects/activities under their Environmental Protection and Enhancement Program.

PhP 101 Million (as of January 2017)
The amount committed by the operating mines for their Final Mine Rehabilitation and/or Decommissioning Plan.

Mining Forest Program

388,500 mangrove propagules (as of June 2017)
Number of mangrove propagules planted by the mining company in more than 87.4 hectares is being maintained.

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

"Mining shall be pro-people and pro-environment in sustaining wealth creation and improved quality of life”
The Philippine government promotes the rational exploration, development, utilization and conservation of mineral resources guided by its commitment to responsible minerals development.

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

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.

Economic Contribution
Php 2.707 Billion or 1.7%
Estimated Gross Regional Domestic Product (GRDP) of Region V from mining and quarrying at constant 2000 prices. It accounted 2.704% Billion with a percentage contribution of 1.7% of the total GRDP of the Region in 2016.

Mining Investments
No Data.

Gross Output
No Data.

Export
No Data.

Employment
No Data.

Taxes and Fees Paid
No Data.

Mineral Resources in the Province
(Estimated Reserves in MT)
Iron - 69,250
Manganese - 3,300
Magnetite Sand - 217,123,425
Limestone - 27,750,000
Marble - 3,750,000
Guano - 583
Phosphate rock - 614
Red Clay - 5,886,250
Pumice - 19,329,200
White Clay - 1,050
Sulfur - 775

Land Area and Mineral Potential
211,901 has
Total land area of Sorsogon in hectares.

0.76% or 1,620.0043 hectares
(as of April 2017)
Percentage of the Sorsogon total land area covered by mining tenements. However, it should be emphasized that said area is still subject to the mandatory relinquishment as provided by law.

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 Program
No Data.

Environmental Protection
No Data.

Mining Forest Program
No Data.

Mineral Resources Development Projects
1 Under Exploration

15 LGU Issued Permits
- 5 Quarry Permits
- 9 Commercial Sand and Gravel Permits
- 1 Industrial Sand and Gravel Permit

"Mining shall be pro-people and pro-environment in sustaining wealth creation and improved quality of life"