

# 2016 Minerals Yearbook

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## TAIWAN

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# THE MINERAL INDUSTRY OF TAIWAN

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In 2016, the production of mineral commodities—notably marble, natural gas, and, sulfur—represented only a minor part of the economy of Taiwan (Bureau of Mines, 2017, p. 66–67; Directorate General of Budget, Accounting and Statistics, 2017, p. 76, 114). The legislative framework for the mineral sector in Taiwan is provided by the Mining Act of 1930 and its amendments. Data on mineral production are in table 1. Table 2 is a list of major mineral industry facilities. More-extensive coverage of the mineral industry of Taiwan can be found in previous editions of the U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Asia and the Pacific, which are available at <https://www.usgs.gov/centers/nmic/asia-and-pacific>.

## References Cited

- Bureau of Mines [Taiwan], 2017, Annual statistical report of mineral [sic] 2016: Taipei City, Taiwan, Bureau of Mines, June, variously paged. (Accessed March 27, 2018, at <https://www.mine.gov.tw/Download/PInfo/P00001287A.pdf>.)
- Directorate General of Budget, Accounting and Statistics, 2017, Statistical yearbook of the Republic of China 2016: Taipei City, Taiwan, Directorate General of Budget, Accounting and Statistics, October, 162 p. (Accessed March 27, 2018, at [https://eng.stat.gov.tw/public/data/dgbas03/bs2/yearbook\\_eng/Yearbook2016.pdf](https://eng.stat.gov.tw/public/data/dgbas03/bs2/yearbook_eng/Yearbook2016.pdf).)

TABLE 1  
TAIWAN: PRODUCTION OF MINERAL COMMODITIES<sup>1</sup>

(Metric tons, gross weight, unless otherwise specified)

Commodity <sup>2</sup>	2012	2013	2014	2015	2016
<b>METALS</b>					
<b>Iron and steel:</b>					
Pig iron thousand metric tons	11,785	13,319	14,440	14,370	14,830
Raw steel do.	20,664	22,282	23,121	21,392	21,751
Lead, refinery production, secondary <sup>c</sup>	35,000	34,000	40,000	46,000	48,000
<b>INDUSTRIAL MINERALS</b>					
Cement, hydraulic thousand metric tons	15,808	16,554	14,592	13,445	12,126
Clay and shale, kaolin	26,376	15,963	1,808	732	4,035
Lime	286,808	282,057	260,717	211,230	216,208
Mica	6,844 <sup>r</sup>	8,931 <sup>r</sup>	5,016	8,287	1,879
Soda ash, synthetic <sup>c</sup>	140,000	140,000	--	--	--
Sodium compounds, caustic soda	1,727,597	1,738,858	1,707,262	1,705,451	1,708,555
<b>Stone, sand, and gravel:</b>					
Silica, mine production, unspecified	58,157	61,718	131,652	132,469	175,643
<b>Stone, crushed:</b>					
Dolomite	47,488	37,755	22,196	22,349	22,006
Marble, raw material thousand metric tons	22,540	21,729	20,568	18,035	15,918
<b>Stone, dimension:</b>					
Limestone	6,357	9,079	30,055	1,094	1,439
Serpentine, raw material	60,659 <sup>r</sup>	93,604 <sup>r</sup>	137,957 <sup>r</sup>	133,965	102,021
Sulfur, S content	231,296	192,292	195,280	211,219	163,768
Talc and related materials, talc <sup>c</sup>	778	362	133	162	250
<b>MINERAL FUELS AND RELATED MATERIALS</b>					
Coke, metallurgical thousand metric tons	5,152	5,678	6,277	6,300	6,600 <sup>c</sup>
Natural gas million cubic meters	442	381	387	374	334
<b>Petroleum:</b>					
Crude thousand 42-gallon barrels	72	66	59 <sup>r</sup>	58 <sup>r</sup>	53
<b>Refinery production:</b>					
Distillate fuel oil, diesel do.	106,682	108,910	108,190	105,931	102,881
Lubricants and lubricating oil do.	1,672	1,677	1,788	1,578	1,412

<sup>c</sup>Estimated. <sup>r</sup>Revised. do. Ditto. -- Zero.

<sup>1</sup>Table includes data available through March 15, 2018. All data are reported unless otherwise noted. Estimated data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>In addition to the commodities listed, refined nickel was produced, but available information was inadequate to make reliable estimates of output.

TABLE 2  
TAIWAN: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(Thousand metric tons unless otherwise specified)

Commodity	Major operating companies	Location of main facilities	Annual capacity <sup>c</sup>	
Cement	Asia Cement Corp.	Hsinchu County	1,800	
Do.	do.	Hualien County	4,020	
Do.	Chia Hsin Cement Corp.	Kaohsiung County	1,860	
Do.	Chien Tai Cement Co. Ltd.	do.	1,720	
Do.	Lucky Cement Corp.	Taoyuan County	2,000	
Do.	Southeast Cement Corp.	Kaohsiung	1,090	
Do.	do.	Chutung	1,400	
Do.	Taiwan Cement Corp. (TCC)	Keelung City	1,600	
Do.	do.	Hualien County	5,600	
Do.	do.	Yilan County	3,400	
Do.	Universal Cement Corp.	Kaohsiung City	1,550	
Iron and steel:				
Pig iron	China Steel Corp.	do.	9,900	
Do.	Dragon Steel Corp. (China Steel Corp.)	Taichung City	6,200	
Steel, raw	An Feng Steel Co. Ltd.	Kaohsiung City	2,000	
Do.	China Steel Corp.	do.	9,900	
Do.	Dragon Steel Corp. (China Steel Corp.)	Taichung City	6,200	
Do.	Hai Kwang Enterprise Corp.	Kaohsiung City	600	
Do.	Tang Eng Stainless Steel Plant	do.	300	
Do.	Yieh Hsing Enterprise Co. Ltd.	do.	450	
Do.	Yieh Phui Enterprise Co. Ltd.	do.	1,300	
Do.	Yieh United Steel Co.	do.	1,000	
Do.	Feng Hsin Iron and Steel Co. Ltd.	Taichung City	1,200	
Mica	Xingyang Mining Co., Ltd.	Taoyuan City	10	
Nickel, metal	Taiwan Nickel Refining Corp.	Kaohsiung City	14	
Petroleum:				
Crude	thousand 42-gallon barrels	Chinese Petroleum Corp.	Chuhuangkeng and Tungtzuchiao fields	100
Refinery products	do.	do.	Kaohsiung City	570
Do.	do.	do.	Taoyuan City	200
Do.	do.	Formosa Plastics Group	Yunlin County	450
Stone, marble		Taiwan Marble Co., Ltd.	New Taipei City	150
Sulfur		China Petrochemical Development Corp.	Taipei City	280

<sup>c</sup>Estimated; estimated data are rounded to no more than three significant digits. Do., do. Ditto.