

# 2017–2018 Minerals Yearbook

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## TAIWAN

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# THE MINERAL INDUSTRY OF TAIWAN

By Jaewon Chung

In 2017 and 2018, the production of mineral commodities— notably dolomite, iron and steel, refined lead, marble, natural gas, serpentine, and industrial sand and gravel—represented only a minor part of the economy of Taiwan (Bureau of Mines, 2019, p. 18). The legislative framework for the mineral sector in Taiwan is provided by the Mining Act of 1930 and its amendments in 2003. 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>.

## Reference Cited

Bureau of Mines, 2019, Annual statistical report of mineral 2018: Taipei, Taiwan, Bureau of Mines, June, 96 p. (Accessed June 25, 2019, at <https://www.mine.gov.tw/Download/PInfo/P00001736A.pdf>.)

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

(Metric tons, gross weight, unless otherwise specified)

Commodity <sup>2</sup>	2014	2015	2016	2017	2018
<b>METALS</b>					
<b>Iron and steel:</b>					
Pig iron thousand metric tons	14,440	14,370	14,830	14,400	14,800
Raw steel do.	23,121	21,392	21,751	22,400	23,200
Lead, refinery, secondary	40,000	46,000	48,000	48,000	58,000
<b>INDUSTRIAL MINERALS</b>					
Cement, hydraulic thousand metric tons	14,629 <sup>r</sup>	13,445	12,126	10,876	10,939
Clay, kaolin	1,808	732	4,035	1,665	20
Lime	258,759 <sup>r</sup>	209,118 <sup>r</sup>	214,046 <sup>r</sup>	247,468	263,283
Mica	5,016	8,287	1,879	750	2,970
Sand and gravel, industrial, unspecified	131,652	132,469	175,644 <sup>r</sup>	139,274	57,797
Sodium, compounds, caustic soda	1,707,262	1,705,451	1,708,555	1,850,549	1,891,652
<b>Stone, sand, and gravel, construction:</b>					
<b>Stone:</b>					
<b>Crushed:</b>					
Dolomite	22,196	22,349	22,005 <sup>r</sup>	13,357	13,419
Marble thousand metric tons	20,547 <sup>r</sup>	17,997 <sup>r</sup>	15,090 <sup>r</sup>	15,662	15,637
<b>Dimension:</b>					
Limestone	30,055	1,094	1,439	2,990	120
Serpentine	137,957	133,965	102,021	72,072	96,395
Sulfur, byproduct, natural gas and petroleum, S content	195,280	211,219	163,768	173,963	169,698
Talc	133	162	250	--	17
<b>MINERAL FUELS AND RELATED MATERIALS</b>					
Coke, metallurgical thousand metric tons	6,277	6,021 <sup>r</sup>	6,626 <sup>r</sup>	--	--
Natural gas million cubic meters	387	374	334	284	215
<b>Petroleum:</b>					
Crude thousand 42-gallon barrels	59	58	53	34	29
<b>Refinery:</b>					
Distillate fuel oil do.	108,910	105,931	102,881	100,707	108,777
Lubricants do.	1,788	1,578	1,412	1,167	1,179

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

<sup>1</sup>Table includes data available through July 3, 2019. All data are reported unless otherwise noted.

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

TABLE 2  
TAIWAN: STRUCTURE OF THE MINERAL INDUSTRY IN 2018

(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 City	1,090
Do.		do.	Chutung, Hsinchu County	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
Raw steel		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.		Feng Hsin Iron and Steel Co. Ltd.	do.	1,200
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
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 Tungtzechiao fields	100
Refinery products	thousand 42-gallon barrels per day	do.	Kaohsiung City <sup>1</sup>	220
Do.	do.	do.	Dalin, Chiayl County	300
Do.	do.	do.	Taoyuan City	200
Do.	do.	Formosa Plastics Group	Yunlin County	450
Stone, marble		Hualien Marble Quarry (Retired Servicemen's Engineering Agency)	Hualien County	20,000
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.

<sup>1</sup>Closed in 2016.