



2019 Minerals Yearbook

ASIA AND THE PACIFIC [ADVANCE RELEASE]



Base modified from ESRI ArcGIS online world countries (generalized) map data, 2017
 Mercator Auxiliary Sphere projection
 World Geodetic System 1984 datum

Figure 1. Map of the Asia and the Pacific region. The countries covered in this report are labeled on the map; bordering countries are shown in gray and not labeled.

THE MINERAL INDUSTRIES OF ASIA AND THE PACIFIC

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The countries and dependencies that are covered in this chapter have a combined population of approximately 4.17 billion people and a land area of 29.93 million square kilometers (fig. 1, table 1). In 2019, the gross domestic product (GDP) based on purchasing power parity of the Asia and the Pacific region was \$54.8 trillion, accounting for 40.6% of the world's GDP. The region's real GDP increased by 4.8% compared with that in 2018 (table 2).

The Asia and the Pacific region accounted for 91.5% of the world's production of tungsten (mine output); 77.1%, graphite; 75.7%, hydraulic cement; 75.1%, tin (mine output); 72.1%, raw steel; and 62.5%, bauxite (not including that of the United States) (fig. 2). Some countries of the Asia and the Pacific region were globally significant producers of metals, industrial minerals, and (or) mineral fuels and related materials. The major producers of tungsten in the region were China (82.3% of the world's output) and Vietnam (5.4%) (fig. 2). The major producer of graphite in the region was China (73.5%). The major producers of hydraulic cement in the region were China (56.0%) and India (8.0%). The major producers of mined tin in the region were China (28.6%), Indonesia (26.3%), and Burma (14.2%). The major producers of raw steel in the region were China (53.0%), India (5.9%), Japan (5.3%), and the Republic of Korea (3.8%). The major producers of bauxite in the region were Australia (30.0%), China (19.9%), India (6.3%), and Indonesia (4.7%). Data on mineral production for selected mineral commodities, by country in the region, are in table 3.

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- Bangladesh—Bangladesh Bureau of Statistics;
- Burma—Central Statistical Organization, Ministry of National Planning and Economic Development;
- Indonesia—Directorate General of Mineral & Coal, Ministry of Energy & Mineral Resources;
- Japan—Research and Statistics Department, Ministry of Economy, Trade and Industry;
- Korea, Republic of—Korea Institute of Geoscience and Mineral Resources;
- Malaysia—Minerals and Geoscience Department, Ministry of Natural Resources and Environment;
- Nepal—Department of Mines and Geology, Ministry of Industry, Commerce and Supplies;
- Pakistan—Energy and Mining Statistics Section, Pakistan Bureau of Statistics;
- Papua New Guinea—Geological Survey, Mineral Resources Authority of Papua New Guinea;
- Philippines—Mineral Economics, Information, and Publication Division, Mines and Geosciences Bureau;
- Sri Lanka—Geological Survey and Mines Bureau;
- Taiwan—Bureau of Mines, Ministry of Economic Affairs;
- Thailand—Department of Primary Industries and Mines, Ministry of Industry; and
- Vietnam—Department of Foreign Statistics and International Cooperation, General Statistics Office.

TABLE 1
ASIA AND THE PACIFIC: AREA AND POPULATION IN 2019

Country or territory	Area ¹ (square kilometers)	Estimated population ² (thousands)
Afghanistan	652,230	38,042
Australia	7,741,220	25,366
Bangladesh	148,460	163,046
Bhutan	38,394	763
Brunei	5,765	433
Burma	676,578	54,045
Cambodia	181,035	16,487
China	9,596,960 ³	1,397,715
Fiji	18,274	890
India	3,287,263	1,366,418
Indonesia	1,904,569	270,626
Japan	377,915	126,265
Korea, North	120,538	25,666
Korea, Republic of	99,720	51,709
Laos	236,800	7,169
Malaysia	329,847	31,950
Mongolia	1,564,116	3,225
Nauru	21	11
Nepal	147,181	28,609
New Caledonia	18,575	271
New Zealand	268,838	4,979
Pakistan	796,095	216,565
Papua New Guinea	462,840	8,776
Philippines	300,000	108,117
Singapore	719	5,704
Solomon Islands	28,896	670
Sri Lanka	65,610	21,803
Taiwan	35,980	23,603 ⁴
Thailand	513,120	69,626
Timor-Leste	14,874	1,293
Vietnam	331,210	96,462
Regional total	29,928,000	4,166,304
World total	148,940,000 ⁵	7,673,345 ⁶

¹Source: U.S. Central Intelligence Agency, The World Factbook.

²Source: The World Bank, 2021 World Development Indicators Database.

³Includes the area of Taiwan.

⁴Source: Statistical Bureau of the Republic of China (Taiwan), Statistical Yearbook 2020.

⁵World area total includes the areal extent of some countries and (or) territories not covered in the Minerals Yearbook.

⁶World population total includes populations of some countries and (or) territories not covered in the Minerals Yearbook.

TABLE 2
ASIA AND THE PACIFIC: GROSS DOMESTIC PRODUCT^{1,2}

Country or territory	Gross domestic product in 2019 based on purchasing power parity		Real gross domestic product growth rate (percentage)		
	Gross value (million dollars)	Per capita (dollars)	2017	2018	2019
	Afghanistan	81,873	2,543	2.6	1.2
Australia	1,346,281	52,675	2.4	2.8	1.9
Bangladesh	868,972	5,330	7.3	7.9	8.2
Bhutan	8,953	12,131	6.3	3.8	4.3
Brunei	28,042	61,027	1.3	0.1	3.9
Burma	266,971	5,053	5.8	6.4	6.8
Cambodia	75,410	4,834	7.0	7.5	7.1
China	23,356,236	16,564	6.9	6.8	6.0
Fiji	12,692	14,186	5.4	3.8	-0.4
India	9,561,228	6,991	6.8	6.5	4.0
Indonesia	3,331,536	12,482	5.1	5.2	5.0
Japan	5,501,303	43,585	1.7	0.6	0.0
Korea, North ³	16,331	640	-3.5	-4.1	0.4
Korea, Republic of	2,309,266	44,659	3.2	2.9	2.2
Laos	58,480	8,157	6.9	6.3	4.7
Malaysia	946,385	29,099	5.8	4.8	4.4
Mongolia	41,400	12,557	5.3	7.2	5.2
Nauru	125	9,856	-5.5	5.7	1.0
Nepal	117,856	4,140	9.0	7.6	6.7
New Caledonia ³	9,880	34,942	1.6	1.6	1.6
New Zealand	217,801	43,686	3.5	3.4	2.4
Pakistan	1,067,019	5,212	5.2	5.5	2.1
Papua New Guinea	34,592	4,022	3.5	-0.3	5.9
Philippines	1,004,508	9,362	6.9	6.3	6.1
Singapore	584,987	102,565	4.5	3.5	1.3
Solomon Islands	1,660	2,479	5.3	3.9	1.2
Sri Lanka	296,995	13,622	3.6	3.3	2.3
Taiwan	1,260,982	53,424	3.3	2.8	3.0
Thailand	1,339,060	19,232	4.2	4.2	2.3
Timor-Leste	4,788	3,703	-4.1	-1.1	1.8
Vietnam	1,018,806	10,559	6.9	7.2	7.2
Regional total	54,770,418	13,146 ⁴	6.2 ⁵	6.1 ⁵	4.8 ⁵
World total ⁶	134,916,440	17,582 ⁴	3.8	3.6	2.8

¹Source: International Monetary Fund, World Economic Outlook Database, October 2021.

²Gross domestic product listed may differ from that reported in individual country chapters owing to differences in the source or date of reporting.

³Source: United Nations data 2021. Gross domestic product values are at current prices.

⁴Calculated as gross domestic product divided by population.

⁵Annual change in regional gross domestic product.

⁶World gross domestic product total includes the gross domestic product of some countries and (or) territories not covered in the Minerals Yearbook.

TABLE 3
ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2019¹

(Thousand metric tons unless otherwise specified)

Country or territory	Metals								
	Aluminum			Antimony, mine output, Sb content (metric tons)	Chromite, mine output, gross weight	Cobalt, Co content (metric tons)		Copper	
	Alumina	Bauxite	Metal, primary ²			Mine output	Refined	Mine output, Cu content ³	Metal, refined, primary
Afghanistan	--	--	--	--	2 ^e	--	--	--	--
Australia	20,239	105,544	1,570	2,032	--	5,742	3,700	909	401
Bangladesh	--	--	--	--	--	--	--	--	--
Bhutan	--	--	--	--	--	--	--	--	--
Brunei	--	--	--	--	--	--	--	--	--
Burma	--	--	--	6,000 ^e	--	--	--	153	153
Cambodia	--	--	--	--	--	--	--	--	--
China	72,474	70,000 ^e	35,044	81,500 ^e	84	2,500 ^e	95,000 ^e	1,628	7,610
Fiji	--	--	--	--	--	--	--	--	--
India	6,690	22,307	3,640	--	4,139	--	100	29 ^e	424
Indonesia	1,148	16,593	250	--	--	1,100	--	361	272
Japan	20 ^e	--	--	--	--	--	3,800	--	1,153
Korea, North	--	--	--	--	--	--	--	10 ^e	10 ^e
Korea, Republic of	--	--	--	--	--	--	--	--	474
Laos	--	--	--	140	--	--	--	141	72
Malaysia	--	901	760 ^e	--	--	--	--	--	--
Mongolia	--	--	--	--	--	--	--	290 ^e	12
Nepal	--	--	--	--	--	--	--	--	--
New Caledonia	--	--	--	--	--	1,700 ^e	--	--	--
New Zealand	--	--	351	--	--	--	--	--	--
Pakistan	--	62 ^e	--	--	163 ^e	--	--	13	--
Papua New Guinea	--	--	--	--	90 ^e	2,911	--	99	--
Philippines	--	--	--	--	32	4,600 ^e	--	72	217
Singapore	--	--	--	--	--	--	--	--	--
Solomon Islands	--	1,161	--	--	--	--	--	--	--
Sri Lanka	--	--	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--	--	--
Timor-Leste	--	--	--	--	--	--	--	--	--
Vietnam	1,365	3,350 ^e	--	310 ^e	--	--	--	31 ^e	19
Regional total	101,936	219,918	41,615	89,982	4,510	18,553	102,600	3,736	10,817
Share of world total	76.6%	62.5%	66.1%	58.4%	10.1%	13.2%	74.9%	20.6%	58.5%
United States	1,410 ^e	W	1,090	--	--	500 ^e	--	1,260	985
Share of world total	1.1%	W	1.7%	--	--	0.4%	--	7.0%	5.3%
World total	133,000	352,000	63,000	154,000	44,700	141,000	137,000	18,100	18,500

See footnotes at end of table.

TABLE 3—Continued
ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2019¹

(Thousand metric tons unless otherwise specified)

Country or territory	Metals—Continued								
	Gold, mine output, Au content (kilograms)	Iron ore, gross weight	Iron and steel		Lead, metal, refined (metric tons)		Manganese ore, mine output, Mn content	Mercury, mine output, Hg content (metric tons)	Molybdenum, mine output, Mo content
			Pig iron and direct-reduced iron	Steel, raw	Primary ⁴	Secondary			
Afghanistan	--	--	--	--	33 ^e	--	--	--	--
Australia	325,148	918,731	3,664	5,493	89,888	35,000 ^e	3,177	--	--
Bangladesh	--	--	--	1,380 ^e	--	--	--	--	--
Bhutan	--	37	--	--	--	--	--	--	--
Brunei	--	--	--	--	--	--	--	--	--
Burma	250	--	--	--	12,000 ^e	--	430 ^e	--	--
Cambodia	--	--	--	--	--	--	--	--	--
China	380,230	351,000	809,365	996,342	2,749,000	2,210,000	1,332	2,250 ^e	115 ^e
Fiji	1,120	--	--	--	--	--	--	--	--
India	1,780	203,052	110,957	111,246	184,901	737,000	801	--	--
Indonesia	139,000	3,450	3,020	7,783	--	54,000 ^e	--	--	--
Japan	6,322	--	74,907	99,284	82,098	116,273	--	--	1
Korea, North	1,000 ^e	2,830	250 ^e	680	3,000 ^e	--	--	--	--
Korea, Republic of	181	342	47,537	71,421	404,000	390,000	--	--	(5)
Laos	5,207	470	--	--	--	--	--	--	--
Malaysia	3,151	4,160	595	6,820	--	--	390 ^e	--	--
Mongolia	16,251	8,572	--	28	--	--	--	--	3
Nepal	--	--	--	--	--	--	--	--	--
New Caledonia	--	--	--	--	--	--	--	--	--
New Zealand	8,217	4,000	672	667	--	--	--	--	--
Pakistan	--	547 ^e	--	3,313	--	24,000	--	--	--
Papua New Guinea	73,900 ^e	--	--	--	--	--	--	--	--
Philippines	20,646	--	--	1,400	--	10,000 ^e	--	--	--
Singapore	--	--	--	766	--	--	--	--	--
Solomon Islands	NA	--	--	--	--	--	--	--	--
Sri Lanka	--	--	--	30 ^e	--	3,700 ^e	--	--	--
Taiwan	--	--	14,500	22,065	--	55,000	--	--	--
Thailand	--	18	--	7,300 ^e	--	--	2,300 ^e	--	--
Timor-Leste	--	--	--	--	--	--	--	--	--
Vietnam	540 ^e	5,591	8,300 ^e	20,066	34,000	--	158	--	--
Regional total	982,943	1,502,800	1,073,767	1,356,117	3,558,887	3,634,973	8,588	2,250	119
Share of world total	29.6%	59.9%	77.2%	72.1%	78.7%	53.7%	25.9%	91.1%	35.3%
United States	200,000	46,900	26,000	87,800	--	1,180,000	--	NA	44
Share of world total	6.0%	1.9%	1.9%	4.7%	--	17.4%	--	NA	13.1%
World total	3,320,000	2,510,000	1,390,000	1,880,000	4,520,000	6,770,000	33,200	2,470	337

See footnotes at end of table.

TABLE 3—Continued
 ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2019¹

(Thousand metric tons unless otherwise specified)

Country or territory	Metals—Continued								
	Nickel, Ni content		Platinum-group metals, mine output, metal content (kilograms)		Rare earths, mineral concentrate, rare-earth oxide equivalent (metric tons)	Silver, mine output, Ag content (metric tons)	Tin (metric tons)		Titanium, TiO ₂ content
	Mine output	Refinery products	Palladium	Platinum			Mine output, Sn content	Metal, primary	Ilmenite ⁶ (metric tons)
Afghanistan	--	--	--	--	--	--	--	--	--
Australia	159	107	380 ^e	110 ^e	20,000 ^e	133	7,738	--	840,000 ^e
Bangladesh	--	--	--	--	--	--	--	--	--
Bhutan	--	--	--	--	--	--	--	--	--
Brunei	--	--	--	--	--	--	--	--	--
Burma	20	--	--	--	25,000 ^e	--	42,000 ^e	--	--
Cambodia	--	--	--	--	--	--	--	--	--
China	120 ^e	185 ^e	1,300 ^e	2,500 ^e	132,000	3,443	84,500	166,000	2,290,000
Fiji	--	--	--	--	--	1 ^e	--	--	--
India	--	--	--	--	2,900 ^e	633	20	19	162,000
Indonesia	853	--	--	--	--	323 ^e	77,468	76,389	--
Japan	--	125	--	--	--	3	--	1,547	--
Korea, North	--	--	--	--	--	20 ^e	--	--	--
Korea, Republic of	--	--	--	--	--	5	--	--	--
Laos	--	--	--	--	--	34	584	--	--
Malaysia	--	--	--	--	66 ^e	2	3,611	24,320	1,400
Mongolia	--	--	--	--	--	57 ^e	25 ^e	--	--
Nepal	--	--	--	--	--	--	--	--	--
New Caledonia	210	6	--	--	--	--	--	--	--
New Zealand	--	--	--	--	--	4 ^e	--	--	--
Pakistan	--	--	--	--	--	3 ^e	--	--	--
Papua New Guinea	33	--	--	--	--	147	--	--	--
Philippines	323	--	--	--	2	31	--	--	--
Singapore	--	--	--	--	--	--	--	--	--
Solomon Islands	--	--	--	--	--	NA	--	--	--
Sri Lanka	--	--	--	--	--	--	--	--	26,000
Taiwan	--	--	--	--	--	--	--	--	--
Thailand	--	--	--	--	1,900 ^e	--	73	9,600	--
Timor-Leste	--	--	--	--	--	--	--	--	--
Vietnam	--	--	--	--	1,300 ^e	--	5,500	4,800	160,000
Regional total	1,718	423	1,680	2,610	183,168	4,839	221,519	282,675	3,479,400
Share of world total	67.6%	43.0%	0.7%	1.4%	71.0%	19.2%	75.1%	86.2%	36.4%
United States	14	--	14,300	4,150	28,000 ^e	977	--	--	100,000
Share of world total	0.6%	--	6.3%	2.2%	10.9%	3.9%	--	--	1.0%
World total	2,540	983	227,000	187,000	258,000	25,200	295,000	328,000	9,550,000

See footnotes at end of table.

TABLE 3—Continued
 ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2019¹

(Thousand metric tons unless otherwise specified)

Country or territory	Metals—Continued				Industrial minerals				
	Titanium, TiO ₂ content Rutile (metric tons)	Tungsten, mine output, W content (metric tons)	Zinc (metric tons)		Barite	Cement, hydraulic	Fluorspar (metric tons)	Graphite (metric tons)	Lithium, mine and brine, lithium carbonate equivalent (metric tons) ⁸
			Mine output, Zn content	Metal, primary and secondary					
Afghanistan	--	--	--	--	--	30	10,000 ^e	--	--
Australia	200,000	20 ^e	1,325,000	436,000	2	10,600 ^e	--	--	235,325
Bangladesh	--	--	--	--	--	33,300 ^e	--	--	--
Bhutan	--	--	--	--	--	1,190 ^e	--	--	--
Brunei	--	--	--	--	--	290 ^e	--	--	--
Burma	--	82 ^e	21,100	--	13	7,700 ^e	53,000 ^e	--	--
Cambodia	--	--	--	--	--	7,870	--	--	--
China	--	69,000	4,213,000	6,160,000	2,800 ^e	2,350,000	5,447,000	1,190,000	57,500 ^e
Fiji	--	--	--	--	--	144 ^e	--	--	--
India	12,000	--	720,000 ^e	712,000	2,000 ^e	338,000 ^e	1,424	34,337	--
Indonesia	--	--	--	--	--	69,500 ^e	--	--	--
Japan	--	--	--	526,717	--	53,462	--	--	--
Korea, North	--	1,130 ^e	10,000 ^e	10,000 ^e	--	5,600	--	6,000 ^e	--
Korea, Republic of	--	--	4,106	986,291	--	50,000 ^e	--	--	--
Laos	--	--	--	--	486	5,208	--	--	--
Malaysia	5,947	--	--	--	--	18,000 ^e	--	--	--
Mongolia	--	1,900 ^e	41,600 ^e	--	--	1,098	718,000	--	--
Nepal	--	--	--	--	--	9,860 ^e	--	--	--
New Caledonia	--	--	--	--	--	77	--	--	--
New Zealand	--	--	--	--	--	940 ^e	--	--	--
Pakistan	--	--	37,400 ^e	--	84 ^e	40,200 ^e	5,500 ^e	14,000 ^e	--
Papua New Guinea	--	--	--	--	--	200 ^e	--	--	--
Philippines	--	--	--	--	--	30,500 ^e	--	--	--
Singapore	--	--	--	--	--	--	--	--	--
Solomon Islands	--	--	--	--	--	--	--	--	--
Sri Lanka	1,959	--	--	--	--	3,960 ^e	--	4,000 ^e	--
Taiwan	--	--	--	--	--	11,254	--	--	--
Thailand	--	52 ^e	--	--	--	34,500 ^e	45,700 ^e	--	--
Timor-Leste	--	--	--	--	--	--	--	--	--
Vietnam	--	4,500	12,000	11,000 ^e	36 ^e	96,919	238,003	--	--
Regional total	219,906	76,684	6,384,206	8,842,008	5,421	3,180,402	6,518,627	1,248,337	292,825
Share of world total	32.8%	91.5%	49.9%	65.0%	45.6%	75.7%	76.4%	77.1%	65.2%
United States	(5)	--	753,000	115,000 ^e	414	89,000	--	--	W
Share of world total	(7)	--	5.9%	0.8%	3.5%	2.1%	--	--	W
World total	671,000	83,800	12,800,000	13,600,000	11,900	4,200,000	8,530,000	1,620,000	449,000

See footnotes at end of table.

TABLE 3—Continued
 ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2019¹

(Thousand metric tons unless otherwise specified)

Country or territory	Industrial minerals—Continued					Mineral fuels and related materials		
	Magnesite (metric tons)	Nitrogen, N content of ammonia	Phosphate rock, P ₂ O ₅ content	Potash, K ₂ O equivalent	Salt	Coal		
						Anthracite	Bituminous	Lignite ⁹
Afghanistan	--	48 ^e	--	--	48	--	2,446	--
Australia	320,000 ^e	1,300 ^e	670 ^e	--	11,474	785 ^e	265,000 ^e	68,800 ^e
Bangladesh	--	622 ^e	--	--	1,500 ^e	--	806	--
Bhutan	--	--	--	--	--	--	185	--
Brunei	--	--	--	--	--	--	--	--
Burma	--	53 ^e	--	--	213	--	--	1,942
Cambodia	--	--	--	--	30 ^e	--	--	--
China	19,000,000 ^e	38,922	28,000	5,900	62,710	411,000 ^e	2,540,000 ^e	259,000 ^e
Fiji	--	--	--	--	--	--	--	--
India	106,379	12,200	370	--	29,000 ^e	--	523,484	40,279
Indonesia	--	--	--	--	1,000 ^e	--	120,000 ^e	100,000 ^e
Japan	--	694	--	--	925 ^e	--	1,700 ^e	--
Korea, North	70,000 ^e	--	--	--	100 ^e	14,200	6,060	--
Korea, Republic of	--	--	--	--	262	1,084	--	--
Laos	--	--	--	280	10	161	--	15,263
Malaysia	--	--	--	--	--	--	--	10
Mongolia	--	--	--	--	1	120 ^e	10,000 ^e	7,600 ^e
Nepal	--	--	--	--	--	--	6 ^e	--
New Caledonia	--	--	--	--	--	--	--	--
New Zealand	--	--	--	--	--	--	90	289
Pakistan	25,000 ^e	3,100 ^e	15 ^e	--	3,698	--	2,800 ^e	4,000 ^e
Papua New Guinea	--	--	--	--	--	--	--	--
Philippines	--	--	--	--	190 ^e	--	1,070 ^e	--
Singapore	--	--	--	--	--	--	--	--
Solomon Islands	--	--	--	--	--	--	--	--
Sri Lanka	--	--	17	--	82 ^e	--	--	--
Taiwan	--	--	--	--	--	--	--	--
Thailand	--	--	--	--	1,580	--	--	14,078
Timor-Leste	--	--	--	--	--	--	--	--
Vietnam	--	1,100 ^e	1,400	--	913	--	--	--
Regional total	19,521,379	58,039	30,472	6,180	113,736	427,350	3,473,647	511,261
Share of world total	72.6%	42.7%	44.1%	14.4%	39.9%	92.5%	76.9%	46.1%
United States	W	13,500	6,530	510	42,100	2,370 ¹⁰	243,000 ¹⁰	48,300 ¹⁰
Share of world total	W	9.9%	9.5%	1.2%	14.8%	0.5%	5.4%	4.4%
World total	26,900,000	136,000	69,100	43,000	285,000	462,000	4,520,000 ¹¹	1,110,000

See footnotes at end of table.

TABLE 3—Continued
 ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2019¹

(Thousand metric tons unless otherwise specified)

Country or territory	Mineral fuels and related materials—Continued		
	Natural gas, dry (million cubic meters)	Petroleum, crude, including condensate (thousand 42-gallon barrels)	Uranium, mine output, U content (metric tons)
Afghanistan	137	NA	--
Australia	154,485	172,572	6,552
Bangladesh	27,233	4,143	--
Bhutan	--	--	--
Brunei	11,800	39,600 ^e	--
Burma	18,800	3,059	--
Cambodia	--	--	--
China	176,000	1,400,000	1,890 ^e
Fiji	--	--	--
India	26,900	297,100	308
Indonesia	67,500	271,925	--
Japan	2,524	3,286	--
Korea, North	--	--	--
Korea, Republic of	--	155	--
Laos	--	--	--
Malaysia	78,800	238,000	--
Mongolia	--	6,876	--
Nepal	--	--	--
New Caledonia	--	--	--
New Zealand	4,426	8,813	--
Pakistan	40,400 ^e	32,300 ^e	--
Papua New Guinea	10,000 ^e	13,100 ^e	--
Philippines	4,406	776	--
Singapore	--	--	--
Solomon Islands	--	--	--
Sri Lanka	--	--	--
Taiwan	190	24	--
Thailand	37,427	45,959	--
Timor-Leste	5,500 ^e	10,200	--
Vietnam	10,210	95,958	--
Regional total	676,738	2,643,846	8,750
Share of world total	16.4%	8.4%	16.1%
United States	960,000 ¹⁰	4,470,000 ¹⁰	58 ¹²
Share of world total	23.3%	14.3%	0.1%
World total	4,120,000	31,300,000	54,300

See footnotes at end of table.

TABLE 3—Continued
ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2019¹

⁸Estimated. NA Not available. W Withheld to avoid disclosing company propriety data. -- Zero or zero percent.

¹Table includes data available through June 27, 2022. All data are reported unless otherwise noted. World totals, U.S. data, and estimated data are rounded to no more than three significant digits; may not add to totals shown.

²Some countries include secondary production.

³Includes or excludes mine output in solvent extraction process for some countries listed.

⁴Primary production also includes undifferentiated (primary and secondary) production for some countries listed.

⁵Less than ½ unit.

⁶Includes leucoxene.

⁷Less than .05 percent.

⁸Individual country chapters may report lithium production in different forms; original data were converted to lithium carbonate equivalent as shown in this table.

⁹Lignite is referred to as bituminous coal in North Korea.

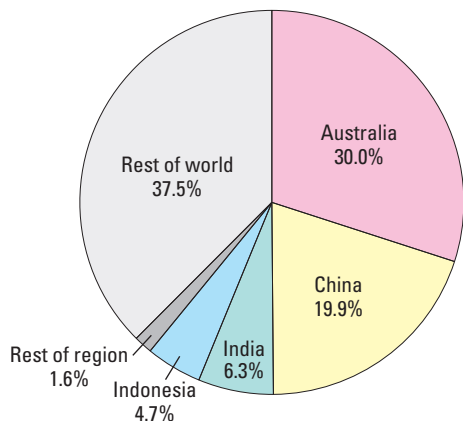
¹⁰Source: U.S. Energy Information Administration.

¹¹Also contains a minimum amount of undifferentiated anthracite.

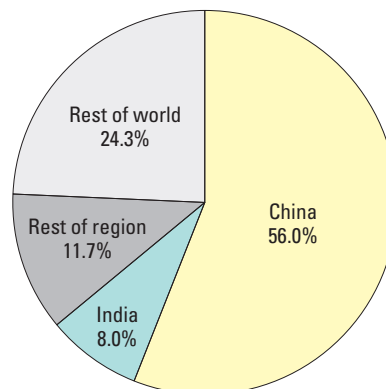
¹²Source: World Nuclear Association.

Asia and the Pacific region

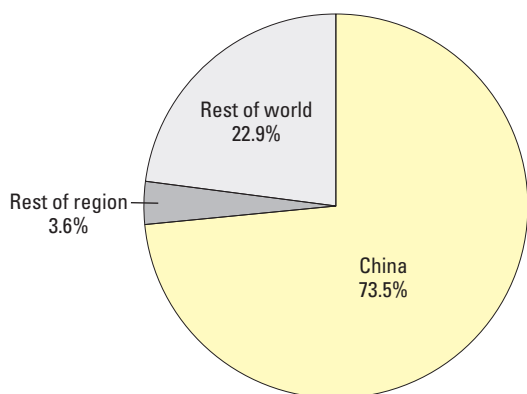
Bauxite



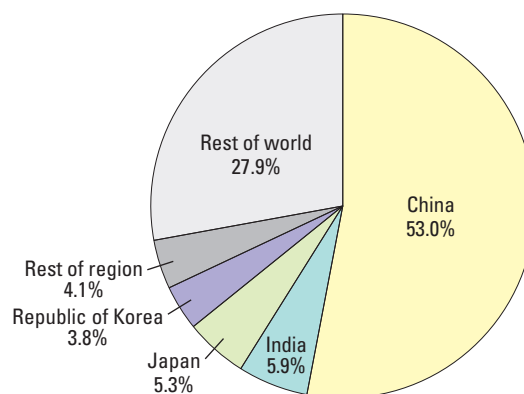
Cement, hydraulic



Graphite

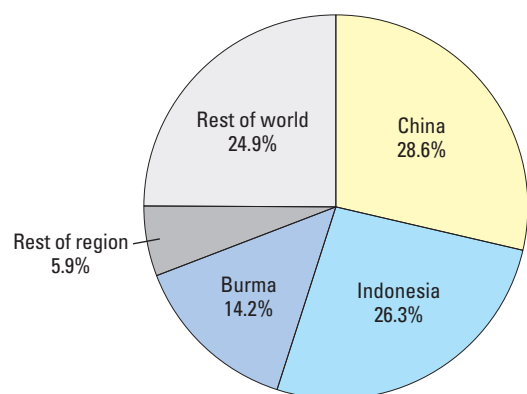


Steel, raw



Tin

(Sn content of mine output)



Tungsten

(W content of mine output)

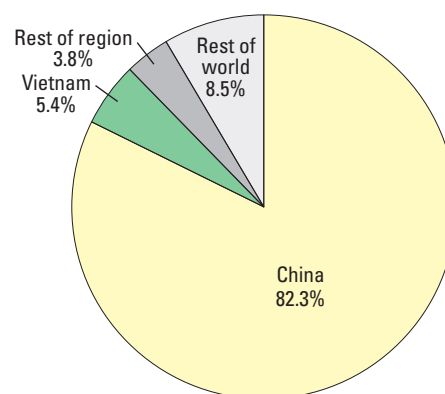


Figure 2. Pie charts showing percentage of world production of selected mineral commodities (bauxite, hydraulic cement, graphite, raw steel, tin, and tungsten) by countries of the Asia and the Pacific region in 2019. Individual countries of the region are labeled if they accounted for at least 3% of world production. All data are from table 3; however, percentages may differ slightly from those shown in table 3 because of independent rounding, and some may not add to 100%. Also, percentages may differ from those reported in individual country chapters owing to differences in the source or date of reporting.