

2017–2018 Minerals Yearbook

ANGOLA

THE MINERAL INDUSTRY OF ANGOLA

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The economy of Angola was largely dependent on world demand for the country's principal exported mineral commodities, notably diamond and crude petroleum. In 2017 and 2018, the country accounted for nearly 6% of the world's total rough diamond output (Kimberley Process Certification Scheme, 2018, 2019; BP p.l.c., 2019, p. 16). The legislative framework for the mineral sector in Angola is provided by law No. 31/11 (Mining Code). 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 Angola can be found in previous editions of the U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Africa and the Middle East, which are available at <https://www.usgs.gov/centers/nmic/africa-and-middle-east>.

References Cited

- BP p.l.c., 2019, BP statistical review of world energy: London, United Kingdom, BP p.l.c., June, 61 p. (Accessed September 24, 2019, at <https://www.bp.com/content/dam/bp/business-sites/en/global/corporate/pdfs/energy-economics/statistical-review/bp-stats-review-2019-full-report.pdf>.)
- Kimberley Process Certification Scheme, 2018, Annual global summary—2017 production, imports, exports, and KPC counts: Kimberley Process Rough Diamond Statistics, 1 p. (Accessed September 20, 2019, at https://kimberleyprocessstatistics.org/static/pdfs/public_statistics/2017/2017GlobalSummary.pdf.)
- Kimberley Process Certification Scheme, 2019, Annual global summary—2018 production, imports, exports, and KPC counts: Kimberley Process Rough Diamond Statistics, 1 p. (Accessed September 20, 2019, at https://kimberleyprocessstatistics.org/static/pdfs/public_statistics/2018/2018GlobalSummary.pdf.)

TABLE 1
ANGOLA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2014	2015	2016	2017	2018
INDUSTRIAL MINERALS					
Cement, hydraulic thousand metric tons	5,100	5,240 ^r	4,500 ^{r, c}	4,600 ^c	5,000 ^c
Clay, fuller's earth ^c	98,000	98,000	98,000	98,000	98,000
Diamond, gem and industrial thousand carats	8,791	9,016	9,021	9,439	8,409
Gypsum ^c	190,000	190,000	190,000	190,000	190,000
Lime ^c	880,000	900,000 ^r	880,000	840,000	830,000
Salt ^c	40,000	48,000	43,000	45,000	40,000
Sand and gravel, industrial, unspecified, for glass manufacturing ^c	50,100	50,100	50,100	50,100	50,000
Stone, sand, and gravel, construction:					
Sand and gravel: ^c					
Sand thousand metric tons	900	900	900	900	900
Gravel do.	900	900	900	900	900
Stone, crushed:					
Granite	133,305	91,916 ^r	99,271 ^r	107,211	112,000 ^c
Limestone ^c thousand metric tons	1,400	1,400	1,400	1,400	1,400
Marble ^c	1,800	1,800	2,300	2,300	2,300
Quartz ^c	9,500	9,500	9,500	9,500	10,000
Other, unspecified ^c thousand metric tons	4,300	4,300	5,400	5,400	5,400
MINERAL FUELS AND RELATED MATERIALS					
Petroleum:					
Crude thousand 42-gallon barrels	624,880	666,490	640,575 ^r	611,010	559,910
Refinery do.	11,315 ^r	13,505 ^r	13,505 ^r	13,140	11,680

^cEstimated. ^rRevised. do. Ditto.

¹Table includes data available through September 30, 2019. All data are reported unless otherwise noted. Estimated data are rounded to no more than three significant digits.

²In addition to the commodities listed, gold may have been produced, but available information was inadequate to make reliable estimates of output.

TABLE 2
ANGOLA: STRUCTURE OF THE MINERAL INDUSTRY IN 2018

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Cement		Companhia de Cimento do Lobito S.A. (Secil Angola Investimentos e Participações S.A., 51%, and Government, 49%)	Lobito, Benguela Province	650,000.
Do.		Nova Cimangola S.A. (Government, 28%, and private investors, 72%)	Cacuaco, Luanda Province	2,460,000; 1,500,000 clinker.
Do.		Cimenfort Industrial Lda	Catumbela, central Benguela Province	1,400,000.
Do.		China International Fund Luanda Cement Ltd.	Municipality of Bengo, 60 kilometers southeast of Luanda	4,000,000; 3,600,000 clinker.
Do.		Fábrica de Cimento do Kwanza Sul S.A.	Sumbe, Kwanza-Sul Province	1,400,000; 1,300,000 clinker.
Diamond	thousand carats	Sociedade Mineira do Chitotolo, Lda [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 45%; ITM Mining Ltd., 40%; LUMANHE Mineira Lda., 15%]	Chitotolo alluvial mine, 95 kilometers southeast of Dundo, Lunda Norte Province	28.
Do.	do.	Luó-Sociedade Mineira do Camatchia-Camagico [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA) and Espirito Santo Group]	Lunda Norte Province	18.
Do.	do.	Sociedade de Desenvolvimento Mineiro de Angola S.A.R.L. (SDM) [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA)]	Luzamba alluvial mine, Cuango Valley, Lunda Norte Province	70.
Do.	do.	Sociedade Mineira de Catoca Lda. [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 41%; ALROSA S.A., 41%; LL International Holding B.V., 18%]	Catoca kimberlite mine, 36 kilometers south of Saurimo, Lunda Sul Province	6,500.
Do.	do.	Sociedade Mineira do Cuango [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 41%; ITM Mining Ltd., 38%; LUMANHE Lda., 21%]	Cuango alluvial mine, Cuango Valley, Lunda Norte Province	31.
Do.	do.	Sociedade Mineira do Lucapa Ltd. [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA)]	Mufuto Norte alluvial mine	25.
Do.	do.	Sociedade Mineira do Lucapa Ltd. (SME) [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 51%, and Sociedade Portuguesa de Empreendimentos, 49%]; LUMANHE Lda.; ITM Mining Ltd.	Calonda alluvial mine, Lucapa, Lunda Norte Province	27.
Do.	do.	Sociedade Mineira Do Lulo (SML) [Lucapa Diamond Co. Ltd., 40%; Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 32%; Rosas e Petalas S.A., 28%]	Lulo Diamond Project, Lunda Norte Province	10.
Do.	do.	Somiluana—Sociedade Mineira S.A [Trans Hex Group Ltd., 33%; Empresa Nacional de de Diamantes de Angola E.P. (ENDIAMA), 39%; domestic private investors, 28%]	Somiluana Mine, Lunda Norte Province	95.
Do.	do.	Artisanal miners	Lunda Norte, Lunda Sul, Moxico, Bie, and Malanje Provinces	NA.
Gypsum	thousand metric tons	Super Gesso Indústria e Comércio, Lda	Gypsum plant, Sumbe, Cuanza Sul Province	200.
Petroleum, crude	thousand 42-gallon barrels per day	AP Moller-Maersk A/S, 50%; Occidental Petroleum Corp., 30%; Sociedade Nacional de Combustiveis de Angola Ltd. (Sonangol), 20%	Block 8, offshore	NA.

See footnotes at end of table.

TABLE 2—Continued
ANGOLA: STRUCTURE OF THE MINERAL INDUSTRY IN 2018

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Petroleum, crude— Continued	thousand 42-gallon barrels per day	AP Moller-Maersk A/S, 50%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%; Devon Energy Corp., 15%; Odebrecht S.A., 15%	Block 16, offshore	NA.
Do.	do.	AP Moller-Maersk A/S, 50%; Occidental Petroleum Corp., 30%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%	Block 23, offshore	NA.
Do.	do.	BP p.l.c., 50%, and Sonangol-Sinopec International, 50%	Block 18, offshore	240.
Do.	do.	BP p.l.c., 26.67%; Exxon Mobil Corp., 25%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%; Statoil ASA, 13.33%; Marathon Oil Corp., 10%; Total S.A., 5%	Block 31, offshore	150.
Do.	do.	Canadian Natural Resources, 100%	Block 4, Kiame field, offshore	NA.
Do.	do.	Chevron Corp., 31%; Eni S.p.A., 10%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 10%; Total S.A., 36.75%; Galp Energia, SGPS, S.A., 4.5%	Block 14, offshore	100.
Do.	do.	China Petroleum and Chemical Corp., 40%; Petróleo Brasileiro S.A., 30%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%; Falcon Oil Holding Angola S.A., 5%; Gema Group Angola, 5%	Block 18/06, offshore	NA.
Do.	do.	Eni S.p.A., 35%; Sonangol-Sinopec International, 20%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 15%; Total S.A., 15%; Falcon Oil Holding Angola S.A., 5%; Petróleo Brasileiro S.A., 5%; Statoil ASA, 5%	Block 15/06, offshore	NA.
Do.	do.	Eni S.p.A., 50%; Total S.A., 25%; Galp Energia, SGPS, S.A., 10%; Ina-Industrija Nafta, d.d., 7.5%	Block 1, offshore	NA.
Do.	do.	Exxon Mobil Corp., 45%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%; Total S.A., 15%; Falcon Oil Holding Angola S.A., 10%; Galp Energia, SGPS, S.A., 5%; Naphtha-Israel Petroleum Corp. Ltd., 5%	Block 33, offshore	NA.
Do.	do.	Exxon Mobil Corp., 40%; BP p.l.c., 26.67%; Eni S.p.A., 20%; Statoil ASA, 13.33%	Block 15, offshore	700.
Do.	do.	Petróleo Brasileiro S.A., 80%, and Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%	Block 26, offshore	NA.
Do.	do.	Petróleo Brasileiro S.A., 40%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%; InterOil Exploration & Production ASA, 20%; Falcon Oil Holding Angola S.A., 10%; Initial Oil, 10%	Block 6, offshore	NA.
Do.	do.	Pluspetrol Resources Corp, 55%; Force Petroleum Group Ltd., 20%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%	Cabinda South, onshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 100%	Area A (Kwanza), onshore	NA.
Do.	do.	do.	Block 3, Canuka field, offshore	NA.
Do.	do.	do.	Block 4, Kiabo field, offshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 83.6%, and Chevron Corp., 16.4%	Area B (Soyo), onshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 41%; Chevron Corp., 39.2%; Total S.A., 10%; Eni S.p.A., 9.8%	Block 0, offshore Cabinda	340.
Do.	do.	Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 52.5%; Petróleo Brasileiro S.A., 27.5%; Chevron Corp., 20%	Block 2/85, offshore	NA.

See footnotes at end of table.

TABLE 2—Continued
ANGOLA: STRUCTURE OF THE MINERAL INDUSTRY IN 2018

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Petroleum, crude— Continued	thousand 42-gallon barrels per day	Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 70%, and Sociedade Petrolífera Angolana S.A. (Somoil), 30%	Block 2/05, offshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 90%, and Sociedade Petrolífera Angolana (Somoil), 15%	Block 3/05, Bufalo, Impala, Impala SE Pacassa, and Palanca fields, offshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 51%, and Eni S.p.A., 48%	Cabinda North, onshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 50%; Statoil ASA, 20%; Angola Consulting Resources, 15%; Sociedade Petrolífera Angolana (Somoil), 15%	Block 4/05, Gimboa field, offshore	60.
Do.	do.	Statoil ASA, 50%; Petróleo Brasileiro S.A., 30%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%	Block 34, offshore	NA.
Do.	do.	Total S.A., 50%; Eni S.p.A., 15%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 6.25%	Block 3/91, Oombo field, offshore	NA.
Do.	do.	Total S.A., 50%; Eni S.p.A., 15%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 6.25%; Ajoco Exploration Company Ltd., 12.5%; Ina-Indústria Nafte, d.d., 5%	Block 3/85, Cobo and Pambe fields, offshore	NA.
Do.	do.	Total S.A., 30%; Marathon Oil Corp., 30%; Sociedade de Combustíveis de Angola Ltd. (Sonangol), 20%; Exxon Mobil Corp., 15%; Galp Energía, SGPS, S.A., 5%	Block 32, offshore	NA.
Do.	do.	Total S.A., 30%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 30%; Sonangol-Sinopec International, 27.5%; Angola Consulting Resources, 5%; Falcon Oil Holding Angola, S.A., 5%; Partex (Angola) Corp., 2.5%	Block 17/06, offshore	NA.
Do.	do.	Total S.A., 40%; Statoil ASA, 23.33%; Exxon Mobil Corp., 20%; BP p.l.c., 16.67%	Block 17, offshore	700.
Do.	do.	Tullow Oil plc., 50%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%; Prodoil SARL, 20%; Force Petroleum Group Ltd., 10%	Block 1/06, offshore	NA.
Do.	do.	Vaalco Energy Inc., 40%; InterOil Exploration & Production ASA, 40%; Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 20%	Block 5, offshore	NA.
Petroleum, refinery products	do.	Luanda refinery, Sociedade Nacional de Combustíveis de Angola Ltd. (Sonangol), 100%	Petroleum refinery, Luanda	23,700.
Stone, granite	cubic meters	Angostone, Lda., 100%	Lubango, Huíla Province	14,000.
Do.	do.	Coreangol Engenharia & Construção Lda., 100%	Nzeto municipality, Zaire Province	35,000.
Do.		Emanha Granitos Lda., 100%	Lubango, Huíla Province	80,000.
Do.		Rodang Lda., 100%	do.	6,300.
Do.		Metarochas Rochas e Semi-Preciosas de Angola, Lda., 100%	do.	2,200.

Do., do. Ditto. NA Not available.