

2016 Minerals Yearbook

YEMEN

THE MINERAL INDUSTRY OF YEMEN

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In 2016, the economy of Yemen relied on international assistance and hydrocarbon exports for revenue. The mineral industry included production of cement, crude petroleum, liquefied natural gas, refined petroleum products, and salt (U.S. Central Intelligence Agency, 2017). The legislative framework for the mining sector in Yemen is provided by law No. 22 of 2010—Concerning Mines and Quarries and, for the hydrocarbon sector, on production-sharing agreements between the Government and foreign companies. 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 Yemen 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>.

Reference Cited

U.S. Central Intelligence Agency, 2017, Yemen, *in* The world factbook: U.S. Central Intelligence Agency, December 14. (Accessed December 18, 2017, at <https://www.cia.gov/library/publications/the-world-factbook/geos/ym.html>.)

TABLE 1
YEMEN: PRODUCTION OF MINERAL COMMODITIES¹
(Thousand metric tons, gross weight, unless otherwise specified)

Commodity ²	2012	2013	2014	2015	2016
INDUSTRIAL MINERALS					
Cement, hydraulic	2,760 ^r	3,300 ^r	3,100	2,530 ^r	2,400 ^e
Stone, crushed, limestone ^e	3,000	3,500 ^r	3,300 ^r	3,000	3,000
MINERAL FUELS AND RELATED MATERIALS					
Natural gas:					
Gross million cubic meters	28,002 ^r	31,450 ^r	31,450 ^r	24,532 ^r	24,532
Marketable do.	7,590 ^r	10,330	9,618 ^r	2,700 ^r	2,700
Natural gas liquids thousand 42-gallon barrels	7,118	7,300	7,300	1,248 ^r	766
Petroleum:					
Crude do.	65,737 ^r	57,962 ^r	51,246 ^r	16,060 ^r	9,855
Refinery production:					
Distillate fuel oil do.	2,555 ^r	6,570 ^r	5,679 ^r	5,679 ^r	5,679
Gasoline do.	1,095 ^r	1,570 ^r	1,372 ^r	1,372 ^r	1,372
Kerosene do.	1,278 ^r	3,315 ^r	2,910 ^r	2,910 ^r	2,910
Liquefied petroleum gas do.	694 ^r	840 ^r	748 ^r	748 ^r	748
Residential fuel oil do.	1,496 ^r	4,745 ^r	4,052 ^r	4,052 ^r	4,052
Other do.	3,030	6,570 ^r	5,982 ^r	5,982 ^r	5,982
Total do.	10,200 ^r	236,600 ^r	20,743 ^r	20,743 ^r	20,743

^eEstimated. ^rRevised. do. Ditto.

¹Table includes data available through June 21, 2017. All data are reported unless otherwise noted. Estimated data are rounded to no more than three significant digits.

²In addition to the commodities listed, aggregate, basalt, clays, feldspar, granite, gypsum, iron and steel, marble, mica, salt, sand and gravel, scoria, talc, tuff, and zeolites may have been produced in Yemen, but available information was inadequate to make reliable estimates of output.

TABLE 2
YEMEN: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(Thousand metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^c
Cement		Amran Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills at Amran ¹	1,500
Do.		Al Barah Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills at Mafrag	500
Do.		Bajil Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills at Bajil near Taiz	500
Do.		National Cement Co. (Hayel Saeed Anam Group, 100%)	Kilns and mills at Wadi Saim, Lahj ¹	1,600
Do.		Arabian Yemen Cement Co. Ltd. (Eastern Province Cement Co., 31.5%; Al-Amoudi Group, 15%; Bagshan Group, 15%; Saudi Binladin Group, 10%; Baroom Investment Holding Co. Ltd., 10%; Ali Ali Hussain Miksa, 10%; Sara Development Co. Ltd., 3.5%; Yemeni Group for Development of Yemen, 5%)	Kilns and mills at Al-Oyoun, Hadhramaut ¹	1,500
Clay		Local private companies	Al Hudaydah, Lahj, Ebb, Hijja, Jawf, Marib, Sana'a, Shabwah, Taiz	700
Gypsum		do.	Al Hudaydah, Hadramaout, Sanaa, Shabwah	200
Natural gas:				
Associated	million cubic meters	Jannah Hunt Oil Co. [Yemen General Corporation for Oil and Gas (YOGC), 71%, and Hunt Oil Co., 29%]	Jannah field (Block 5)	227
Liquefied	thousand metric tons	Yemen LNG Co. (Total E&P Yemen, 39.62%; Hunt Oil Co., 17.22%; Yemen Gas Co., 16.73%; SK Energy Co. Ltd., 9.55%; Korea Gas Corp., 6.00%; Hyundai Corp., 5.88%; Yemen General Authority for Social Security and Pensions, 5.00%)	Marib field (Block 18), liquefied natural gas plant in Belhaf	6,700
Petroleum:				
Crude	42-gallon barrels per day	Occidental Petroleum Yemen [Occidental Petroleum Corp., 65%, and Yemen General Corporation for Oil and Gas (YOGC), 35%]	Damis oilfield (Block S1) ¹	4,000
Do.	do.	OMV A.G., 68%, and Yemen General Corporation for Oil and Gas (YOGC), 32%	Al-Uqla oilfield (Block S2) ¹	1,560
Do.	do.	Calvalley Petroleum Ltd., 59%, and Yemen General Corporation for Oil and Gas (YOGC), 41%	Malik oilfield (Block 9) ¹	2,000
Do.	do.	DNO Yemen [Yemen General Corporation for Oil and Gas (YOGC), 52%, and DNO International ASA, 48%]	Hwarim oilfield (Block 32) ¹	3,300
Do.	do.	DNO Yemen [DNO International ASA, 62%, and Yemen General Corporation for Oil and Gas (YOGC), 38%]	South Hwarim oilfield (Block 43) ¹	2,600
Do.	do.	Yemen General Corporation for Oil and Gas (YOGC), 51%, and Dove Energy Ltd., 49%	East Saar oilfield (Block 53) ¹	3,200
Do.	do.	Jannah Hunt Oil Co. [Yemen General Corporation for Oil and Gas (YOGC), 71%, and Hunt Oil Co., 29%]	Jannah oilfield (Block 5) ¹	15,700
Do.	do.	Korea National Oil Co. (KNOC), 82%, and Yemen General Corporation for Oil and Gas (YOGC), 18%	West Ayad field (Block 4) ¹	123
Do.	do.	Total E&P Yemen [Yemen General Corporation for Oil and Gas (YOGC), 59%, and Total S.A., 41%]	East Shabwah oilfield (Block 10) ¹	13,700
Do.	do.	Safer E&P Operations Co. (Government, 100%)	Marib field (Block 18) ¹	22,000
Do.	do.	Canadian Nexen Petroleum Yemen Ltd. [Nexen Inc., 63%, and Yemen General Corporation for Oil and Gas (YOGC), 37%]	East Al-Hajr field (Block 51) ¹	3,000
Do.	do.	Masila Petroleum Exploration and Production Co. (PetroMasila)	Masila field (Block 14) ¹	42,000
Refined	do.	Aden Refinery Co. (Government, 100%)	Refinery at Aden ¹	150,000
Do.	do.	Yemen Oil Refining Co. (Yemen Hunt Oil Co. and Exxon Yemen, Inc., 75.5%, and Yukong Group, 24.5%)	Topping plant at Marib	10,000

See footnotes at end of table.

TABLE 2—Continued
YEMEN: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(Thousand metric tons unless otherwise specified)

Commodity	Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Pumice	Local private companies	Dhamar	2,500
Salt:			
Crude:			
Marine	Local private companies	Eleven saltworks near Aden	150
Rock	do.	Five salt mines near Salif	140
Refined	Salt Refining and Packing Factory (Government)	Salif	50
Do.	Aden Salt Factory (Government)	Aden	150
Scoria	Local private companies	Dhamar, Marib, Shabwah	500
Steel, finished products	Arab Iron and Steel Corp.	Aden	100
Do.	Mukalla Iron and Steel Co.	Rayan	500
Do.	Yemen Steel Manufacturing Company Ltd. (Al-Rhabi Trading Group, 100%)	Al Hodaydah	500
Stone:			
Basalt	Local private companies	Hadhramaut, Sana'a, Taiz, Dhamar	900
Limestone	do.	Amran, Hadramaout, Sana'a, Taiz	4,000
Do.	3S Minerals Pvt. Ltd	Hadramaout	1,000
Do.	Naine Minerals and Resources Pte. Ltd.	Hadramaout, Yathmoon	1,000
Marble	do.	Hijja, Marib, Taiz	700
Other	About 1,900 local private companies	Dhamar, Mayana, Sana'a, Taiz, and Wadi Marek	16,000

^eEstimated. Do., do. Ditto.

¹Operations were suspended in 2015.