

2017–2018 Minerals Yearbook

YEMEN

THE MINERAL INDUSTRY OF YEMEN

By Mowafa Taib

The economy of Yemen was based largely on hydrocarbon exports for revenue. The mineral industry included production of cement, crude petroleum, gypsum, liquefied natural gas, refined petroleum products, salt, and stone (U.S. Central Intelligence Agency, 2019; World Bank, The, 2019). The legislative framework for the mining sector in Yemen is provided by law No. 22 of 2010—Concerning Mines and Quarries, and by production-sharing agreements between the Government and foreign companies for the hydrocarbon sector. 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>.

References Cited

U.S. Central Intelligence Agency, 2019, Yemen, *in* The World Factbook: U.S. Central Intelligence Agency, December 14. (Accessed July 29, 2019, at <https://www.cia.gov/library/publications/the-world-factbook/geos/ym.html>.)
World Bank, The, 2019, Yemen economic outlook: Washington, DC, The World Bank, April, 2 p. (Accessed August 1, 2019, at <http://pubdocs.worldbank.org/en/365711553672401737/Yemen-MEU-April-2019-Eng.pdf>.)

TABLE 1
YEMEN: PRODUCTION OF MINERAL COMMODITIES¹

(Thousand metric tons, gross weight, unless otherwise specified)

Commodity ²	2014	2015	2016	2017	2018
INDUSTRIAL MINERALS					
Cement, hydraulic	3,190 ^r	2,530	2,400	1,950	1,980
Gypsum, including anhydrite ^c	100	100	100	100	100
Salt ^c	75	75	75	75	100
Stone, crushed, limestone ^c	3,300	3,000	3,000	2,500	2,500
MINERAL FUELS AND RELATED MATERIALS					
Natural gas, marketable million cubic meters	9,800 ^r	2,900 ^r	500 ^r	500	600
Petroleum:					
Crude, including condensate thousand 42-gallon barrels	46,720 ^r	13,870 ^r	5,840 ^r	12,045	14,600
Refinery:					
Distillate fuel oil do.	15,560 ^r	15,560 ^r	15,560 ^r	15,560 ^c	NA
Gasoline do.	3,760 ^r	3,760 ^r	3,760 ^r	3,760 ^c	NA
Kerosene do.	7,970 ^r	7,970 ^r	7,970 ^r	7,970 ^c	NA
Liquefied petroleum gas do.	9,125 ^r	9,490 ^r	9,490 ^r	9,855	10,220
Residual fuel oil do.	15,560 ^r	15,560 ^r	15,560 ^r	15,560 ^c	NA
Other do.	16,390 ^r	16,390 ^r	16,390 ^r	16,390 ^c	NA
Total do.	68,400 ^r	68,700 ^r	68,700 ^r	69,100 ^c	10,200

^cEstimated. ^rRevised. do. Ditto. NA Not available.

¹Table includes data available through July 28, 2019. All data are reported unless otherwise noted. Totals and estimated data are rounded to no more than three significant digits; may not add to totals shown.

²In addition to the commodities listed, aggregate, clay, feldspar, mica, silica sand, scoria, talc, and zeolites may have been produced, but available information was inadequate to make reliable estimates of output.

TABLE 2
YEMEN: STRUCTURE OF THE MINERAL INDUSTRY IN 2018

(Thousand metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Cement		Amran Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills at Amran	NA ¹
Do.		Al Barah Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills at Mafraq	NA ¹
Do.		Bajil Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills at Bajil near Ta'izz	500
Do.		National Cement Co. (NCC) (Hayel Saeed Anam Group, 100%)	Kilns and mills at Wadi Saim, Lahij	NA ¹
Do.		Arabian Yemen Cement Co. Ltd. (Eastern Province Cement Co., 31.5%; Al-Amoudi Group, 15%; Bagshan Group, 15%; Ali Ali Hussain Miksa, 10%; Baroom Investment Holding Co. Ltd., 10%; Saudi Binladin Group, 10%; Yemeni Group for Development of Yemen, 5%; Sara Development Co. Ltd., 3.5%)	Kilns and mills at Al-Oyoun, Hadramawt	1,500
Clay		Local private companies	Al Hudaydah, Al Jawf, Hajjah, Ibb, Lahij, Mar'ib, San'a, Shabwah, Ta'izz	700
Gypsum		do.	Al Hudaydah, Hadramawt, San'a, 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 42-gallon barrels	Yemen LNG Co. (Total E&P Yemen, 39.62%; Hunt Oil Co., 17.22%; Yemen Gas Co., 16.73%; SK Energy, 9.55%; Korea Gas Corp., 6.00%; Hyundai Corp., 5.88%; Yemen General Authority for Social Security and Pensions, 5.00%)	Ma'rib Field (Block 18), liquefied natural gas plant in Belhaf	10,000 ²
Petroleum:				
Crude	thousand 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)	4,000 ²
Do.	do.	OMV A.G., 68%, and Yemen General Corporation for Oil and Gas (YOGC), 32%	Al-Uqla Oilfield (Block S2)	1,560
Do.	do.	Calvalley Petroleum Ltd., 59%, and Yemen General Corporation for Oil and Gas (YOGC), 41%	Malik Oilfield (Block 9)	2,000 ²
Do.	do.	DNO Yemen [Yemen General Corporation for Oil and Gas (YOGC), 52%, and DNO International ASA, 48%]	Hwarim Oilfield (Block 32)	3,300 ²
Do.	do.	DNO Yemen [DNO International ASA, 62%, and Yemen General Corporation for Oil and Gas (YOGC), 38%]	South Hwarim Oilfield (Block 43)	2,600 ²
Do.	do.	Yemen General Corporation for Oil and Gas (YOGC), 51%, and Dove Energy Ltd., 49%	East Saar Oilfield (Block 53)	3,200 ²
Do.	do.	Jannah Hunt Oil Co. [Yemen General Corporation for Oil and Gas (YOGC), 71%, and Hunt Oil Co., 29%]	Jannah Oilfield (Block 5)	15,700 ²
Do.	do.	Korea National Oil Co. (KNOC), 82%, and Yemen General Corporation for Oil and Gas (YOGC), 18%	West Ayad Field (Block 4)	123 ²
Do.	do.	Safer E&P Operations Co. (Government, 100%)	Ma'rib Field (Block 18)	22,000 ²
Do.	do.	Masila Petroleum Exploration and Production Co. (PetroMasila)	East Shabwah Oilfield (Block 10)	13,700
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)	3,000 ²
Do.	do.	Masila Petroleum Exploration and Production Co. (PetroMasila)	Masila Field (Block 14)	42,000

See footnotes at end of table.

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

(Thousand metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Petroleum:—Continued				
Refined	thousand 42-gallon barrels per day	Aden Refinery Co. (Government, 100%)	Refinery at Aden	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 Ma'rib	10,000
Pumice		Local private companies	Dhamar	2,500
Salt:				
Crude:				
Marine		do.	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, Mar'ib, Shabwah	500
Steel, finished products		Arab Iron and Steel Corp.	do.	100
Do.		Mukalla Iron and Steel Co.	Rayan	500
Do.		Yemen Steel Manufacturing Company Ltd. (Al-Rhabi Trading Group, 100%)	Al Hudaydah	500
Stone:				
Basalt		Local private companies	Hadramawt, San'a, Ta'izz, Dhamar	900
Limestone		do.	Amran, Hadramawt, San'a, Ta'izz	4,000
Do.		3S Minerals Pvt. Ltd.	Hadramawt	1,000
Do.		Naine Minerals and Resources Pte. Ltd.	Hadramawt, Yathmoon	1,000
Marble		do.	Hijjah, Mar'ib, Ta'izz	700
Unspecified		About 1,900 local private companies	Dhamar, Mayana, San'a, Ta'izz, and Wadi Marek	16,000

^eEstimated; estimated data are rounded to no more than three significant digits. Do., do. Ditto. NA Not available.

¹Plant sustained damage owing to armed conflict in 2015.

²Operations were suspended in 2015.