

イエメンの鉱物産業	Mineral Industry of Yemen
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<p>2019 年、炭化水素はイエメン経済の主要産業であり、同国の物品輸出のほとんどを占めました（米国エネルギー情報局、2020 年、世界銀行、2020 年）。イエメンの鉱業部門の法的枠組みは、鉱山および採石場に関する 2010 年法律第 22 号によって規定されており、炭化水素部門については、政府と外国企業間の生産分与協定によって規定されています。鉱物生産に関する資料は表 1 にあります。表 2 は、主要な鉱物産業施設の一覧です。イエメンの鉱物産業に関するより詳しい情報は、米国地質調査所鉱物年鑑第 3 巻、地域報告書—国際—アフリカおよび中東の以前の版に記載されており、<a href="https://www.usgs.gov/centers/nmic/africa-and-middle-east">https://www.usgs.gov/centers/nmic/africa-and-middle-east</a> でご覧いただけます。</p>	<p>Hydrocarbons were a leading segment of Yemen economy of in 2019, accounting for Yemen's exports of goods (U.S. Energy Information Administration, 2020; World Bank, 2020).</p> <p>Legislative framework for Mining sector in Yemen is provided by law No. 22 of 2010 Concerning Mines and Quarries, and, for Hydrocarbon sector, by production-sharing agreements between 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 Yemen's mineral industry can be found in previous editions of U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Africa and the Middle East, which are available at <a href="https://www.usgs.gov/centers/nmic/africa-and-middle-east">https://www.usgs.gov/centers/nmic/africa-and-middle-east</a>.</p>
<p>（注）ここでは「イエメンの鉱物産業に関するより詳しい情報」は、「世界銀行報告「イエメンの鉱山部門」の抜粋(2009)」を参照して下さい。</p>	<p>Note : For More-extensive coverage of Yemen's mineral industry, please refer to the excerpt from World Bank report "Yemen's Mining Sector (2009)".</p>

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

Commodity <sup>2</sup>	2015	2016	2017	2018	2019
<b>INDUSTRIAL MINERALS</b>					
Cement, hydraulic	2,530	1,400 <sup>r</sup>	1,920 <sup>r</sup>	1,880 <sup>r, e</sup>	1,900 <sup>e</sup>
Gypsum, including anhydrite <sup>e</sup>	100	100	100	100	100
Salt <sup>e</sup>	75	75	75	100	100
Stone, crushed, limestone <sup>e</sup>	3,000	3,000	2,500	2,500	2,500
<b>MINERAL FUELS AND RELATED MATERIALS<sup>3</sup></b>					
Natural gas:					
Gross	million cubic meters	2,900 <sup>r</sup>	500 <sup>r</sup>	600 <sup>r</sup>	600 <sup>r</sup>
Marketable	do.	2,900	500	600	600
Petroleum:					
Crude, including condensate	thousand 42-gallon barrels	22,995 <sup>r</sup>	15,695 <sup>r</sup>	25,915 <sup>r</sup>	30,295 <sup>r</sup>
Natural gas liquids	million 42-gallon barrels	9	9	10	10
Refinery:					
Distillate fuel oil	thousand 42-gallon barrels	5,694 <sup>r</sup>	5,694 <sup>r</sup>	5,694 <sup>r</sup>	5,694 <sup>r</sup>
Gasoline	do.	1,387 <sup>r</sup>	1,387 <sup>r</sup>	1,387 <sup>r</sup>	1,387 <sup>r</sup>
Kerosene	do.	2,920 <sup>r</sup>	2,920 <sup>r</sup>	2,920 <sup>r</sup>	2,920 <sup>r</sup>
Liquefied petroleum gas	do.	730 <sup>r</sup>	730 <sup>r</sup>	730 <sup>r</sup>	730 <sup>r</sup>
Residual fuel oil	do.	4,052 <sup>r</sup>	4,052 <sup>r</sup>	4,052 <sup>r</sup>	4,052 <sup>r</sup>
Other	do.	5,986 <sup>r</sup>	5,986 <sup>r</sup>	5,986 <sup>r</sup>	5,986 <sup>r</sup>
Total	do.	20,800 <sup>r</sup>	20,800 <sup>r</sup>	20,800 <sup>r</sup>	20,800 <sup>r</sup>

<sup>e</sup> 推定。

<sup>r</sup> 改訂。

do 同上。

NA 入手不可。

<sup>1</sup> 表には、2020 年 7 月 1 日までのデータが含まれています。特に断りのない限り、すべてのデータが報告されています。合計および推定データは、3 桁以内に丸められています。

<sup>2</sup> 記載されている商品に加えて、骨材、粘土、長石、雲母、珪砂、軽石（スコリア）、鋼（完成品）、タルク、ゼオライトが生産された可能性があります。入手可能な情報は、生産量の信頼できる推定を行うには不十分でした。

<sup>3</sup> 出典：BP 世界エネルギー統計 2020、アラブ石油輸出国機構年次統計報告書 2020 およびデータバンク。

<sup>e</sup> Estimated.

<sup>r</sup> Revised.

do. Ditto.

NA Not available.

<sup>1</sup> Table includes data available through July 1, 2020. All data are reported unless otherwise noted. Totals and estimated data are rounded to no more than three significant digits.

<sup>2</sup> In addition to the commodities listed, aggregate, clay, feldspar, mica, silica sand, pumice (scoria), steel (finished products), talc, and zeolites may have been produced, but available information was inadequate to make reliable estimates of output.

<sup>3</sup> Sources: BP World Energy Statistics 2020 and Organization of Arab Petroleum Exporting Countries Annual Statistical Report 2020 and databank.

TABLE 2  
YEMEN: STRUCTURE OF THE MINERAL INDUSTRY IN 2019

(Thousand metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity
Cement		Amran Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills <sup>1</sup> in Amran Province	1,500
Do.		Al Burh Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills at Mafrāq, Ta'izz Province	500
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, Al Mukalla, Hadramawt Province	1,500
Do.		Bajil Cement Factory [Yemen Corporation for Cement Industry and Marketing (YCC), 100%]	Kilns and mills at Bajil near Ta'izz, Ta'izz Province	500
Do.		Batis Cement Factory (Yemeni Saudi Cement Co. )	Plant in Abyan Province	1,500
Do.		National Cement Co. (NCC) (Hayel Saeed Anam Group, 100%)	Kilns and mills at Wadi Saim, Lahij Province	1,600
Do.		Star Cement Co. LLC Yemen (Star Cement Co. LLC)	Plant at Aden, Aden Province	
Do.		Unity Cement Co. Ltd	Plant in Abyan Province	1,500
Clay		Artisanal and small-scale miners	Quarries in Al Hudaydah, Al Jawf, Hajjah, Ibb, Lahij, Mar'ib, San'a, Shabwah, and Ta'izz Provinces	700 <sup>e</sup>
Gypsum		do.	Quarries in Al Hudaydah, Hadramawt, San'a, and Shabwah Provinces	200 <sup>e</sup>
Natural gas:				
Associated	million cubic meters	Masila Petroleum Exploration and Production Co. (PetroMasila) (Government, 100%)	Masila Field (Blocks 14), Hadramawt Province	300 <sup>e</sup>
Do.	do.	do.	East Shabwa Field (Block 10)	300 <sup>e</sup>
Liquefied	do.	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 <sup>2</sup> in Belhaf, Shabwa Province	10,000
Petroleum:				
Crude	thousand 42-gallon	Masila Petroleum Exploration and Production Co. (PetroMasila) (Government, 100%)	Masila Field (Block 14), Hadramawt Province	15,330
Do.	do.	do.	East Shabwa Field (Block 10), Shabwa Province	11,315
Do.	do.	OMV A.G., 68%, and Yemen General Corporation	Habban Field (Block S2),	10,000
Do.		Star Cement Co. LLC Yemen (Star Cement Co. LLC)	Plant at Aden, Aden Province	
Do.		Unity Cement Co. Ltd	Plant in Abyan Province	1,500
Clay		Artisanal and small-scale miners	Quarries in Al Hudaydah, Al Jawf, Hajjah, Ibb, Lahij, Mar'ib, San'a, Shabwah, and Ta'izz Provinces	700 <sup>e</sup>
Gypsum		do.	Quarries in Al Hudaydah, Hadramawt, San'a, and Shabwah Provinces	200 <sup>e</sup>
Natural gas:				
Associated	million cubic meters	Masila Petroleum Exploration and Production Co. (PetroMasila) (Government, 100%)	Masila Field (Blocks 14), Hadramawt Province	300 <sup>e</sup>
Do.	do.	do.	East Shabwa Field (Block 10)	300 <sup>e</sup>
Liquefied	do.	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 <sup>2</sup> in Belhaf, Shabwa Province	10,000
Petroleum:				
Crude	thousand 42-gallon	Masila Petroleum Exploration and Production Co. (PetroMasila) (Government, 100%)	Masila Field (Block 14), Hadramawt Province	15,330
Do.	do.	do.	East Shabwa Field (Block 10), Shabwa Province	11,315

Do.	do.	OMV A.G., 68%, and Yemen General Corporation for Oil and Gas (YOGC), 32%	Habban Field (Block S2), Shabwa Province	10,000
Refined	do.	Aden Refinery Co. (Government, 100%)	Refinery at Aden, Aden Province	47,450
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, Ma'rib Province	3,650
Pumice		Artisanal and small-scale miners	Quarries in Dhamar Province	2,500
Salt:				
Crude:				
Marine	do.		Eleven saltworks in Aden Province	150
Rock	do.		Five salt mines near Salif	140
Refined		Salt Refining and Packing Factory (Government, 100%)	Plant at Salif, Al Hudaydah Province	50
Do.		Aden Salt Factory (Government, 100%)	Plant at Aden, Aden Province	150
Commodity	Major operating companies and major equity owners		Location of main facilities	Annual capacity
Scoria	Artisanal and small-scale miners		Quarries in Dhamar, Mar'ib, and Shabwah Provinces	500
Steel, finished products	Arab Iron and Steel Corp.		Plant at Aden, Aden Province	100
Do.	Mukalla Iron and Steel Co.		Plant at Rayan, Mukalla, Hadramawt Province	500
Do.	Yemen Steel Manufacturing Company Ltd. (Al-Rhabi Trading Group, 100%)		Plant in Al Hudaydah Province	500
Stone:				
Basalt	Artisanal and small-scale miners		Quarries in Hadramawt, San'a', Ta'izz, and Dhamar Provinces	900
Limestone	Local private companies		Quarries in Amran, Hadramawt, San'a', and Ta'izz Provinces	4,000
Do.	3S Minerals Pvt. Ltd		Quarries in Hadramawt Province	1,000
Do.	Naine Minerals and Resources Pte. Ltd.		Quarries in Al-Ma'abir and Yathmoon, Hadramawt Province	1,000
Marble	do.		Quarries in Hijjah, Mar'ib, and Ta'i Provinces	700
Unspecified	About 1,900 artisanal and small-scale miners		Quarries in Dhamar, Mayana, San'a' and Ta'izz Provinces	16,000

<sup>e</sup> 推定値。推定データは 3 桁以内の有効数字に丸められています。同上。

NA 利用できません。

<sup>1</sup> 工場は 2015 年に武力紛争により被害を受け、2019 年もまだ修復が必要な状態でした。

<sup>2</sup> 操業は 2015 年に武力紛争により中断されましたが、2019 年に再開されました。

<sup>e</sup> Estimated; estimated data are rounded to no more than three significant digits. Do., do. Ditto.

NA Not available.

<sup>1</sup> Plant sustained damage owing to armed conflict in 2015 and was still in need of repair in 2019.

<sup>2</sup> Operations were suspended in 2015 owing to armed conflict and were resumed in 2019.