



2019 Minerals Yearbook

BAHRAIN [ADVANCE RELEASE]

THE MINERAL INDUSTRY OF BAHRAIN

By Philip A. Szczesniak

Hydrocarbons were a leading sector of the economy of Bahrain in 2019, accounting for a large share of the country's exports of goods (Bank of Bahrain, 2020). The country ranked seventh among the leading producers of aluminum (Bray, 2020). The legislative framework for the mineral sector in Bahrain is provided by law No. 21 of 2001 and law No. 10 of 2006. 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 Bahrain 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

- Bank of Bahrain, 2020, Statistical bulletin: Manama, Bahrain, Bank of Bahrain, June 2020, 63 p. (Accessed August 28, 2020, at <https://www.cbb.gov.bh/wp-content/uploads/2020/08/Jun-2020-2.pdf>.)
- Bray, E.L., 2020, Aluminum: U.S. Geological Survey Mineral Commodity Summaries 2020, p. 20–21.

TABLE 1
BAHRAIN: PRODUCTION OF MINERAL COMMODITIES¹

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

Commodity ²	2015	2016	2017	2018	2019
METALS					
Aluminum, metal, primary metric tons	960,643	971,420	981,016	1,011,101 ^r	1,365,005
Iron ore, pellets, from imported concentrates ^c	11,000	10,200	11,000	8,200 ^r	8,500
Iron and steel, direct-reduced iron	1,230	1,260	1,260	1,600 ^r	1,600 ^e
Manganese, silicomanganese ³ metric tons	6,000	5,000	--	--	--
INDUSTRIAL MINERALS					
Cement, hydraulic ^c	1,300	1,400	1,500	1,600 ^r	1,760
Nitrogen, N content:					
Ammonia	342	385	382	346	383
Urea	297	324	321	303	335
Sulfur, S content	143	137	147	141 ^r	141
MINERAL FUELS AND RELATED MATERIALS					
Methanol	404	446	442	425	451
Natural gas:					
Gross million cubic meters	14,703	14,147	14,557	14,790	17,326
Marketable do.	8,682	8,202	8,400 ^e	8,550 ^e	10,000 ^e
Petroleum:					
Crude thousand 42-gallon barrels	73,556	73,994	71,958	71,000 ^e	71,000 ^e
Natural gas liquids do.	3,636	3,700	3,503	4,008	6,773
Refinery:					
Bitumen do.	3,914	2,721	1,805	1,800 ^e	1,850 ^e
Distillate fuel oil do.	30,436	28,897	30,250	30,200 ^e	30,600 ^e
Gasoline do.	6,981	6,662	6,325	6,296	6,416
Kerosene, including jet fuel do.	25,821	24,670	24,215	24,209	24,065
Liquefied petroleum gas do.	1,854	1,875	1,739	1,938 ^r	1,584
Naphtha do.	14,322	13,679	13,056	13,000 ^e	13,100 ^e
Residual fuel oil do.	14,436	16,447	18,205	17,205	17,620
Other do.	3,221	2,668	3,425	4,470 ^e	4,500 ^e
Total do.	101,000	97,600	99,000	99,100 ^r	99,700

^eEstimated. ^rRevised. do. Ditto. -- Zero.

¹Table includes data available through July 9, 2020. 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, calcined coke, ferrochrome, rock, sand, and steel products (reinforcing bar and stainless steel) may have been produced, but available information was inadequate to make reliable estimates of output.

³Reported by the International Manganese Institute.

TABLE 2
BAHRAIN: STRUCTURE OF THE MINERAL INDUSTRY IN 2019

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity
Aluminum:				
Metal:				
Primary and secondary		Aluminium Bahrain B.S.C. (Bahrain Mumtalakat Holding Co., 69.38%; SABIC Industrial Investments Co. Ltd., 20.62%; others, 10%)	Smelter at Sitra	1,500,000
Secondary		Bahrain Recycling Plant (private, 100%)	Dross and scrap remelt facilities at Askar	15,000
Rolled products		Gulf Aluminium Rolling Mill Co. B.S.C. (Bahrain Mumtalakat Holding Co., 37%; SABIC Industrial Investments Co. Ltd., 30%; Industrial Bank of Kuwait, 17%; Gulf Investment Corp., 6%; Government of Iraq, 5%; Government of Oman, 2.5%; Qatar Holding Co, 2.5%)	Rolling mill at Sitra	165,000
Do.		do.	Foil mill at Sitra	20,000
Do.		Midal Cables Ltd. (Intersteel W.L.L., 50%, and Saudi Cable Co., 50%)	Rolling mill at Manama	120,000
Alloys		Bahrain Alloys Manufacturing Co.	Plant at Sitra	30,000
Flat products		Bahrain Aluminium Extrusion Co.	do.	25,000
Casting	wheel casings	Aluminium Wheel Co. W.L.L.	Plant at Manama	400,000
Powder		Bahrain Atomisers International B.S.C.	Plant at East Riffa area	NA
Cement		UltraTech Cement Bahrain Co. W.L.L. (UltraTech Cement Ltd., 100%)	Clinker grinding mill at Al Hidd	1,000,000
Do.		Falcon Cement Co. (Cemena Holding Co. B.S.C., 60%; Arab Petroleum Investments Corp., 30%; Abu Dhabi Financial Group, 10%)	Plant at Hufaira Industrial Area	1,241,000
Do.		Al Sager Cement Co. (private, 100%)	Plant at Al Hidd	750,000
Iron and steel:				
Direct-reduced iron		United Steel Co. B.S.C. (Sulb) (Foulath Holding B.S.C., 51%, and Yamato Kogyo Co., 49%)	Plant at Al Hidd Industrial Area	1,600,000
Iron ore pellets		Bahrain Steel BSCC E.C. (Foulath Holding B.S.C., 100%)	Pellet plants at Al Hidd	12,000,000
Steel:				
Heavy sections		United Steel Co. B.S.C. (Sulb) [Foulath Holding B.S.C., 51%, and Yamato Kogyo Co., 49%]	Plant at Al Hidd Industrial Area	600,000
Hot-rolled		United Stainless Steel Co. B.S.C. (USCO) (Foulath Holding B.S.C., 100%)	do.	100,000
Stainless		Universal Rolling W.L.L.	do.	275,000
Ferroalloys		Bahrain Ferro Alloys B.S.C. (ETA Star Holdings L.L.C., 100%)	do.	60,000
Methanol		Gulf Petrochemical Industries Co. B.S.C. (GPIC) (National Oil and Gas Authority, 33.3%; Petrochemical Industries Co., 33.3%; SABIC Industrial Investments Co. Ltd., 33.3%)	Plant at Sitra	450,000
Natural gas:				
Extracted	million cubic meters	Tatweer Petroleum Bahrain Field Development Co. W.L.L. (National Oil and Gas Authority, 100%)	Bahrain field at Awali	15,000
Liquids:				
Butane	thousand 42-gallon barrels	Bahrain National Gas Co. B.S.C. (Bangas) (National Oil and Gas Authority, 75%; Boubyan Petrochemical Co. 12.5%; Chevron Bahrain, 12.5%)	Natural gas plant at Awali	1,100
Propane	do.	do.	do.	1,800
Nitrogen:				
Ammonia		Gulf Petrochemical Industries Co. B.S.C. (GPIC) (National Oil and Gas Authority, 33.3%; Petrochemical Industries Co., 33.3%; SABIC Industrial Investments Co. Ltd., 33.3%)	Plant at Sitra	500,000
Urea		do.	do.	700,000

See footnotes at end of table.

TABLE 2—Continued
 BAHRAIN: STRUCTURE OF THE MINERAL INDUSTRY IN 2019

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity
Petroleum:				
Calcined coke		Aluminium Bahrain B.S.C. (Bahrain Mumtalakat Holding Co., 69.38%; SABIC Industrial Investments Co. Ltd., 20.62%; others, 10%)	Plant at Sitra	550,000
Crude	thousand 42-gallon barrels	Saudi Arabian Oil Co. (Saudi Aramco)	Abu Saafa offshore oilfield ¹	110,000
Do.	do.	Tatweer Petroleum Bahrain Field Development Co. W.L.L. (National Oil and Gas Authority, 100%)	Bahrain field at Awali, onshore	16,300
Refinery products	do.	Bahrain Petroleum Co., B.S.C. (Bapco) (National Oil and Gas Authority, 100%)	Refinery at Sitra	97,455
Sulfur		do.	do.	135,000

Do., do. Ditto. NA Not available.

¹Production from the field is pumped from Saudi Arabia to Bahrain and subsequently refined and marketed by Bahrain Petroleum Co., B.S.C. (Bapco).