

2017–2018 Minerals Yearbook

BOSNIA AND HERZEGOVINA

THE MINERAL INDUSTRY OF BOSNIA AND HERZEGOVINA

By Karine M. Renaud

The production of metallic ores, processed metals, industrial minerals, and mineral fuels represented only a minor part of the economy of Bosnia and Herzegovina in 2017 and 2018. The legislative framework for the mineral sector in Bosnia and Herzegovina is provided by the Law on Concessions No. 40/02 of 2002, as amended by law No. 61/06 of 2006; the Law on Environmental Protection No. 33/03 of 2003, as amended by law No. 38/09 of 2009; the Law on Mining No. 26/10 of 2010; and the Law on Geological Survey No. 9/10 of 2010 (United Nations Environment Programme, 2011, p. 20–25). 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 Bosnia and Herzegovina can be

found in previous editions of the U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Europe and Central Eurasia, which are available at <https://www.usgs.gov/centers/nmic/europe-and-central-eurasia>.

Reference Cited

United Nations Environment Programme, 2011, Desk review of the legal and institutional framework of environmental protection in Bosnia and Herzegovina [Final draft]: Sarajevo, Bosnia and Herzegovina, United Nations Environment Programme Office in Bosnia and Herzegovina, 42 p. (Accessed November 19, 2018, at http://www.unep.at/documents_unep/balkans/BiH/Desk%20Review_of_the_Legal_and_Institutional_Framework_of_Environmental_Protection_in_Bosnia_and_Herzegovina.pdf.)

TABLE 1
BOSNIA AND HERZEGOVINA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2014	2015	2016	2017	2018
METALS					
Aluminum:					
Bauxite	605,215	787,409	641,231	700,391	700,000 ^c
Alumina	170,646	250,845	187,515 ^r	237,847	261,700
Metal, primary	125,531	98,540	106,500	105,000 ^c	106,700
Ferroalloys, ferrosilicon	--	--	--	--	12,000 ^c
Iron ore, mine:					
Gross weight	2,127,564	2,122,802	1,751,800	1,621,907	1,380,488
Fe content	1,330,000 ^r	1,330,000 ^r	1,090,000 ^r	1,010,000	863,000 ^c
Iron and steel:					
Pig iron	860,430	845,462	778,123	738,458	664,291
Raw steel	792,019	795,942	783,045	734,518	695,000
Lead:					
Mine, concentrate:					
Gross weight	10,800 ^{r, c}	11,200 ^{r, c}	12,200 ^{r, c}	13,300	13,300
Pb content	6,000 ^r	6,200 ^r	6,800 ^r	7,400	7,400
Refinery, secondary	1,227	145	182	25	25
Silicon, metal	18,383	18,716	28,138	30,473	29,000 ^c
Zinc, mine, concentrate:					
Gross weight	14,300 ^{r, c}	15,600 ^r	17,700 ^c	18,100	18,100
Zn content	8,100	8,800	10,000	10,200	10,200 ^c

See footnotes at end of table.

TABLE 1—Continued
BOSNIA AND HERZEGOVINA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2014	2015	2016	2017	2018
INDUSTRIAL MINERALS					
Cement, hydraulic	840	808	841	910	995
thousand metric tons					
Clay:					
Bentonite	80,952	67,261	102,858	92,344	87,358
Kaolin, crude	21,610	252,268	248,685	252,959	303,626
Gypsum, mine, including anhydrite	67,700	58,800	61,231	99,001	122,421
Lime	427,914	422,531	458,402	502,796	579,022
Salt, all sources	921,239	991,534	1,092,496	1,029,302	1,185,685
Sand and gravel, industrial, unspecified	92,427	213,809	71,477	64,589	98,312
Soda ash, synthetic, sodium bicarbonate	73,460	81,815	97,570	102,275	100,000 ^c
Stone, sand and gravel, construction:					
Sand and gravel:					
Gravel	928,626	1,722,860	3,764,963	1,659,280	1,383,003
Sand	347,747	514,463	538,894	679,702	507,492
Stone:					
Crushed:					
Limestone	1,897,225	2,092,085	1,777,967	1,954,902	2,003,568
Other, unspecified	4,521,475	4,391,580	3,489,797	3,560,548	4,058,227
Dimension:					
Dolomite, crude	58,241	92,201	47,657	52,080	58,169
Ecaussine, and other calcareous stone	88,500	87,500	116,381	318,951	497,000
Granite	13,467	2,668	3,876	4,659	4,700
Marble, including travertine	2,247	632	2,641	3,942	4,000
Porphyry	2,053,809	3,347,477	3,300,000 ^c	1,240,543	1,241,000
Slate	11,684	4,560	11,126	1,336	1,340
Size and shape unspecified, chalk	2,205	5,970	3,300	1,800	1,800
MINERAL FUELS AND RELATED MATERIALS					
Coal:					
Lignite	5,969,455	6,208,151	6,291,481	6,385,213	6,856,958
Subbituminous	5,703,865	5,903,679	7,196,666	7,648,291	7,521,809
Coke, metallurgical	908,662	911,497	861,067	855,036	944,451
Petroleum, refinery	8,360	7,930	7,340	7,530	7,530
thousand 42-gallon barrels					

^cEstimated. ^rRevised. -- Zero.

¹Table includes data available through August 14, 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, calcined gypsum, clinker, common clay, crude ceramic clay, magnesite, manganese ore, raw steel (secondary), soda ash (natural), and steel semimanufactures may have been produced, but available information was inadequate to make reliable estimates of output.

TABLE 2
BOSNIA AND HERZEGOVINA: 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
Alumina	Alumina d.o.o. Zvornik (UAB Ukio Banko Investicine Grupe, 56.8%; Government of Republika Srpska, 9.1%; Balkanika, 7.1%; Restitution Fund, 4.6%)	Plant at Zvornik	600.
Aluminum	Aluminij d.d. Mostar (Government of Federation of Bosnia and Herzegovina, 44%; workers, 44%; Government of Croatia, 12%)	Smelter at Mostar	130.
Bauxite	Boksit a.d. Milici	Mine at Milici, west of Srebrenica	700. ^e
Cement	Fabrika Cementa Lukavac d.d. (Asamer Baustoffe AG, 100%)	Plant in Lukavac	800 cement, 600 clinker.
Do.	Tvornica Cementa Kakanj d.d. (HeidelbergCement AG, 100%)	Plant at Kakanj	400.
Coal, lignite	Abid Lolic d.o.o. (Elektroprivreda BiH, 100%)	Abid Lolic underground mine in Travnik, Han Bila	200.
Do.	Breza d.o.o. (Elektroprivreda BiH, 100%)	Sretno and Kamenice underground mines 20 kilometers northwest of Sarajevo	680.
Do.	Durdevik d.o.o. (Elektroprivreda BiH, 100%)	Potocari and Visca II opencast mines and Durdevik underground mine south of Zivinice	500.
Do.	EFT Rudnik i Termoelektrana Stanari d.o.o. (EFT Group)	Stanari opencast mine 20 kilometers west of Dobož	2,800.
Do.	Gracanica d.o.o. (Elektroprivreda BiH, 100%)	Gracanica opencast mine at Gornji Vakuf-Uskoplje	350.
Do.	JP RU Tusnica d.o.o. Livno	Tuniska opencast mine at Livno	NA.
Do.	Kakanj d.o.o. (Elektroprivreda BiH, 100%)	Vrtliste opencast mine at Kakanj, Haljinici underground mine about 5 kilometers southeast of Kakanj	1,300.
Do.	Kreka d.o.o. (Elektroprivreda BiH, 100%)	Opencast mines at Dubrave and Sikulje, underground mine at Mramor	2,300.
Do.	RMU Banovici (Government, 69.3%, and workers, 30.7%)	Opencast mines at Cubric, Grivice, and Turija, and underground mines Omazici and Separacija at Banovici	1,500.
Do.	Rudnik i Termoelektrana Ugljevik (Elektroprivreda Republike Srpske, 100%)	Bogutovo Selo opencast mine at Ugljevik	1,750.
Do.	Rudnik i Termoelektrana Gacko (Elektroprivreda Republike Srpske, 100%)	Opencast mine at Gacko	NA.
Do.	Zenica d.o.o. (Elektroprivreda BiH, 100%)	Stara Jama, Raspotocje, and Stranjani Mines at Zenica	420.
Coke	ArcelorMittal Zenica d.o.o. (ArcelorMittal S.A.)	Plant at Zenica	1,000.
Do.	Global Ispat Koksna Industrija d.o.o. Lukavac (Global Steel Holdings and Coke and Chemical Conglomerate)	Lukavac	700.
Ferroalloys, ferrosilicon	B.S.I. d.o.o. (Metalleghe S.p.a., 100%)	Plant at Jajce	20.
Do.	R-S Silicon d.o.o. (Metalleghe S.p.a., 100%)	Mrkonjic Grad	16.
Do.	Steelmin BH (Steelmin Ltd., 80%, and Kemokomplex Group, 20%)	Plant at Jajce	50.

See footnotes at end of table.

TABLE 2—Continued
BOSNIA AND HERZEGOVINA: 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
Iron ore, gross weight	ArcelorMittal Prijedor d.o.o. (ArcelorMittal S.A., 51%, and Rudnici Zeljezne Rude "Ljubija" a.d. Prijedor, 49%)	Buvac and Jezero open pit mines at Ljubija	2,000.
Iron and steel:			
Pig iron	ArcelorMittal Zenica d.o.o. (ArcelorMittal S.A.)	Blast furnace at Zenica	1,000.
Steel:			
Raw steel	do.	Plant at Zenica	1,100.
Do.	Jelsingrad Livar Steel Foundry a.d.	Banja Luka	4.
Semimanufactured products	ArcelorMittal Zenica d.o.o. (ArcelorMittal S.A.)	Plant at Zenica	NA.
Lead-zinc ore, gross weight	Gross d.o.o. Gradiska (Mineco Ltd., 66.67%, and Metexcel Trading Ltd., 33.33%)	Sase Mine and mill at Srebrenica	330.
Petroleum, refined	Rafinerija nafte Brod a.d. (OAO "NefteGazInkor," 80%)	Oil refinery at Bosanski Brod	31,000.
Do.	Rafineriji ulja Modriča a.d. (OAO "NefteGazInkor," 77%)	Oil refinery at Modrica	NA.
Salt	Rudnik Soli Tuzla d.d.	Tuzla	NA.

^cEstimated. Do., do. Ditto. NA Not available.