



2019 Minerals Yearbook

BOSNIA AND HERZEGOVINA [ADVANCE RELEASE]

THE MINERAL INDUSTRY OF BOSNIA AND HERZEGOVINA

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In 2019, the production of mineral commodities—notably alumina, bauxite, clay, coal, gypsum, iron ore, lead, pig iron, raw steel, salt, sand and gravel, stone, and zinc—represented only a minor part of the economy of Bosnia and Herzegovina (Agency for Statistics of Bosnia and Herzegovina, 2020). 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 Geological Survey No. 9/10 of 2010; and the Law on Mining No. 26/10 of 2010 (Government of the Federation of Bosnia and Herzegovina, 2020a, b). 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>.

References Cited

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- Government of the Federation of Bosnia and Herzegovina, 2020a, Regulations: Government of The Federation of Bosnia and Herzegovina. (Accessed September 21, 2020, at <http://www.fbihvlada.gov.ba/english/zakoni/>.)
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TABLE 1
BOSNIA AND HERZEGOVINA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2015	2016	2017	2018	2019	
METALS						
Aluminum:						
Bauxite	787,409	641,231	700,391	802,600 ^r	934,100	
Alumina	250,845	187,515	237,847	261,700	213,518	
Metal, primary	98,540	106,500	125,500 ^r	131,500 ^r	68,500	
Ferroalloys, ferrosilicon	--	--	--	10,000 ^{r,e}	5,000 ^e	
Iron ore, mine:						
Gross weight	2,122,802	1,751,800	1,621,907	1,380,488	1,450,205	
Fe content	1,330,000	1,090,000	1,010,000	863,000 ^r	906,000	
Iron and steel:						
Pig iron	845,462	778,123	738,458	664,291	744,778	
Raw steel	795,942	783,045	734,518	695,000	801,000	
Lead, mine, concentrate:						
Gross weight	12,100 ^r	12,200 ^r	12,100 ^r	12,800 ^r	11,900	
Pb content	6,700 ^r	6,800	6,700 ^r	7,100 ^r	6,600	
Refinery, secondary	145	182	25	25	NA	
Silicon, metal	18,716	28,138	30,473	31,460 ^r	31,911	
Zinc, mine, concentrate:						
Gross weight	15,600	17,700 ^e	18,100	18,100	16,815	
Zn content	8,800	10,000	10,200	10,200 ^r	9,500	
INDUSTRIAL MINERALS						
Cement, hydraulic	thousand metric tons	808	841	910	995	955
Clay:						
Bentonite	67,261	102,858	92,344	174,715 ^r	94,601	
Kaolin, crude	252,268	286,461 ^r	252,959	303,626	118,005	
Gypsum, mine, including anhydrite	58,800	61,231	99,001	122,421	130,788	
Lime	422,531	458,402	502,796	579,022	654,897	
Salt, all sources	991,534	1,092,496	1,029,302	1,185,685	1,202,550	
Sand and gravel, industrial, unspecified	213,809	71,477	64,589	65,000 ^{r,e}	65,000 ^e	
Soda ash, synthetic, sodium bicarbonate	81,815	97,570	102,275	100,000 ^e	100,000 ^e	
Stone, sand, and gravel, construction:						
Sand and gravel:						
Gravel	1,722,860	3,764,963	1,659,280	1,383,003	1,400,000 ^e	
Sand	514,463	538,894	679,702	507,492	506,359	
Stone:						
Crushed:						
Limestone	2,092,085	1,777,967	1,954,902	2,003,568	2,175,938	
Other, unspecified	4,391,580	3,489,797	3,560,548	4,058,227	5,640,000	
Dimension:						
Dolomite	92,201	47,657	52,080	58,169	72,351	
Ecaussine, and other calcareous stone	87,500	116,381	318,951	497,000	500,000 ^e	
Granite	2,668	3,876	4,659	4,700	4,700	
Marble, including travertine	632	2,641	3,942	4,000	4,000 ^e	
Porphyry	3,347,477	3,300,000 ^e	1,240,543	1,241,000	1,240,000 ^e	
Slate	4,560	11,126	1,336	1,340	1,340 ^e	
Size and shape unspecified, chalk	5,970	3,300	1,800	1,800	1,800 ^e	
MINERAL FUELS AND RELATED MATERIALS						
Coal:						
Lignite	6,208,151	6,291,481	6,385,213	6,856,958	6,405,370	
Subbituminous	5,903,679	7,196,666	7,648,291	7,521,809	6,971,178	
Coke, metallurgical	911,497	861,067	855,036	944,451	907,098	
Petroleum, refinery	thousand 42-gallon barrels	7,930	7,340	7,530	7,530	7,530 ^e

^eEstimated. ^rRevised. NA Not available. -- Zero.

¹Table includes data available through August 18, 2020. 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, common clay, crude ceramic clay, magnesite, manganese ore, 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 2019

(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	400.
Aluminum	Aluminij d.d. Mostar (Government of Federation of Bosnia and Herzegovina, 44%; workers, 44%; Government of Croatia, 12%)	Smelter at Mostar ¹	130.
Bauxite	Boksit a.d. Milici	Mine at Milici, west of Srebrenica	930. ^c
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	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, 100%)	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 Tuznica d.o.o. Livno	Tunisca 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. ^c
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 Gacko (Elektroprivreda Republike Srpske, 100%)	Opencast mine at Gacko	NA.
Do.	Rudnik i Termoelektrana Ugljevik (Elektroprivreda Republike Srpske, 100%)	Bogutovo Selo opencast mine at Ugljevik	1,750.
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., 100%)	Plant at Jajce	50.
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.

See footnotes at end of table.

TABLE 2—Continued
 BOSNIA AND HERZEGOVINA: 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
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	2.
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	thousand 42-gallon barrels	Rafinerija nafte Brod a.d. (OAO "NefteGazInkor," 80%)	Oil refinery at Bosanski Brod	31,000.
Do.		Rafineriji ulja Modriča a.d. Modriča (OAO "NefteGazInkor," 77%)	Oil refinery at Modrica	NA.
Salt		Rudnik Soli Tuzla d.d.	Tuzla	NA.

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

¹The plant was closed in July 2019 owing to the bankruptcy of the company.