



2016 Minerals Yearbook

BOSNIA AND HERZEGOVINA

THE MINERAL INDUSTRY OF BOSNIA AND HERZEGOVINA

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In 2016, the production of mineral commodities—notably metals, industrial minerals, and mineral fuels—represented only a minor part of the economy of Bosnia and Herzegovina (U.S. Agency for International Development, 2016; Agency for Statistics of Bosnia and Herzegovina, 2017, p. 3, 4). The legislative framework for the mineral sector in Bosnia and Herzegovina is provided by the Mining Law No. 26/10; the Law on Concessions No. 40/02; and the Law on Environmental Protection No. 33/03. 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

Agency for Statistics of Bosnia and Herzegovina, 2017, Gross domestic product of Bosnia and Herzegovina 2016—Production approach, first results: Sarajevo, Bosnia and Herzegovina, Agency for Statistics of Bosnia and Herzegovina, July 21, 6 p. (Accessed November 3, 2017, at <http://www.bhas.ba/saopstenja/2017/BDP%202016%20proizvodni.pdf>.)
U.S. Agency for International Development, 2016, Annex—List of laws and regulations: U.S. Agency for International Development, January 31, 46 p. (Accessed February 7, 2018, at <https://www.usaidea.ba/wp-content/uploads/2016/06/Annex-1-List-of-Laws-and-Regulations-English-1-31-16-final.pdf>.)

TABLE 1
BOSNIA AND HERZEGOVINA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2012	2013	2014	2015	2016
METALS					
Aluminum:					
Bauxite	800,316	657,115	605,215	787,409	641,231
Alumina	202,416	175,961	170,646	250,845	187,545
Metal, primary and secondary	101,000 ^c	129,000 ^c	125,531	98,540 ^r	106,500
Iron and steel:					
Pig iron	749,539	759,100	860,430	845,462	778,123
Raw steel	700,341	722,155	792,019	795,942	783,045
Iron ore, mine production:					
Crude ore, gross weight	2,075,732	2,121,907	2,127,564	2,122,802	1,751,800
Fe content ^c	872,000	899,000	901,000	898,000	741,000
Lead:					
Mine production, ore and concentrate:					
Gross weight	7,210	8,105	7,533	9,000 ^c	8,600 ^c
Pb content ^c	4,000	4,500	4,000 ^r	5,000	4,800
Refinery production, secondary, smelted	3,327 ^r	2,382 ^r	1,227 ^r	145 ^r	182
Silicon, silicon metal	15,874	16,707	18,383	18,716	28,138
Zinc, mine production:					
Ore and concentrate	13,331	16,631	14,422	15,500 ^{r,c}	17,700 ^c
Zn content ^c	7,600 ^r	9,100 ^r	8,100 ^r	8,800 ^r	10,000
INDUSTRIAL MINERALS					
Barite	28	--	--	--	--
Cement, hydraulic	thousand metric tons	846	882	840	808
Clay and shale:					
Bentonite	18,000	18,808	80,952	67,261	102,858
Kaolin, crude	149,495	44,940	21,610	252,268	248,685
Gypsum, including anhydrite	73,365 ^r	73,300	67,700	58,800	61,231
Lime	397,802	386,908	427,914	422,531	458,402
Salt, all sources	862,017	856,713	921,239	991,534	1,092,496
Soda ash, synthetic, sodium bicarbonate	58,620	66,340	73,460	81,815	97,570

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	2012	2013	2014	2015	2016
INDUSTRIAL MINERALS—Continued					
Stone, sand, and gravel:					
Sand and gravel, construction:					
Gravel	1,126,176	1,089,402	928,626 ^r	1,722,860 ^r	3,764,963
Sand	499,916	625,509	347,747	514,463	538,894
Silica, mine production, unspecified	121,491	113,576	92,427	213,809	71,477
Stone, crushed:					
Aggregate	3,711,065	4,216,610	4,521,475 ^r	4,391,580 ^r	3,489,797
Limestone	1,834,677	2,399,580	1,897,225	2,092,085	1,777,967
Stone, dimension:					
Dolomite, crude	127,774	59,851	58,241	92,201 ^r	47,657
Ecaussine, and other calcareous stone	234,120	48,827	88,500	87,500	116,381
Granite	2,944	8,413	13,467	2,668	3,876
Marble, including travertine	692	411	2,247 ^r	632 ^r	2,641
Porphyry	1,728,593	2,156,256	2,053,809	3,347,477 ^r	3,300,000 ^e
Slate	30	87,202	11,684 ^r	4,560	11,126
Stone, size and shape unspecified, chalk	675	2,655	2,205	5,970	3,300
MINERAL FUELS AND RELATED MATERIALS					
Coal:					
Lignite	6,359,156	6,054,037	5,969,455	6,208,151	6,291,481
Subbituminous	5,952,467	5,710,790	5,703,865	5,903,679	7,196,666
Coke, metallurgical	696,231	748,834	908,662	911,497	861,067
Petroleum, refinery production	thousand 42-gallon barrels	8,590	8,950	8,360	7,930
					7,340

^eEstimated. ^rRevised. -- Zero.

¹Table includes data available through December 11, 2017. 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, ferroalloys, magnesite, manganese ore, and steel semimanufactures may have been produced in Bosnia and Herzegovina, but available information was inadequate to make reliable estimates of output.

TABLE 2
BOSNIA AND HERZEGOVINA: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(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 Investicije Grupe, 56.8%; Government of Republika Srpska, 9.1%; Balkanika, 7.1%; Restitution Fund, 4.6%)	Plant at Zvornik	600. ¹
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	1,500.
Cement	Tvornica Cementa Kakanj d.d. (HeidelbergCement AG, 100%)	Plant at Kakanj	400.
Do.	Fabrika Cementa Lukavac d.d. (Asamer Baustoffe AG, 100%)	Plant in Lukavac	800 cement, 600 clinker.
Coal	RMU Banovici (Government, 69.3%, and workers, 30.7%)	Opencast mines at Cubric, Grivice, and Turija, and the Omazici and Separacija underground mines at Banovici	1,500.
Do.	Zenica Group (Elektroprivreda BiH, 100%)	Stara Jama, Raspotocje, and Stranjani Mines at Zenica	430.

See footnotes at end of table.

TABLE 2—Continued
BOSNIA AND HERZEGOVINA: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(Thousand metric tons unless otherwise specified)

Commodity	Major operating companies and major equity owners	Location of main facilities	Annual capacity
Coal—Continued	Durdevik Group (Elektroprivreda BiH, 100%)	Potocari and Visca II opencast mines and Durdevik underground mine south of Zivinice	600.
Do.	Kakanj Group (Elektroprivreda BiH, 100%)	Vrtliste opencast mine at Kakanj, and Haljinici underground mine about 5 kilometers southeast of Kakanj	1,200.
Do.	Breza Group (Elektroprivreda BiH, 100%)	Sretno and Kamenice underground mines 20 kilometers northwest of Sarajevo	450.
Do.	Abid Lolic Group (Elektroprivreda BiH, 100%)	Grahovcici underground mine 10 kilometers west of Zenica	NA.
Do.	Tusnica Mine	Drage opencast mine at Livno	NA.
Do.	Rudnik i Termoelektrana Ugljevik (Elektroprivreda Republike Srpske, 100%)	Opencast mine at Ugljevik	NA.
Do.	Kreka Group (Elektroprivreda BiH, 100%)	Opencast mines at Dubrave and Sikulje, underground mine at Mramor	2,650. ^e
Do.	EFT Rudnik i Termoelektrana Stanari d.o.o. (EFT Group)	Stanari opencast mine 20 kilometers west of Doboj	2,000.
Do.	Rudnik I Termoelektrana Gacko (Elektroprivreda Republike Srpske, 100%)	Opencast mine at Gacko	NA.
Do.	Gracanica Group (Elektroprivreda BiH, 100%)	Dimnjace opencast mine at Gornji Vakuf-Uskoplje	270.
Do.	Tusnica Mine	Opencast mine at Livno	NA.
Coke	Global Ispat Koksa Industrija d.o.o. Lukavac (Global Steel Holdings and Coke and Chemical Conglomerate)	Lukavac	700.
Do.	ArcelorMittal Zenica d.o.o. (ArcelorMittal S.A.)	Plant at Zenica	NA.
Ferroalloys, ferrosilicon	Steelmin BH (Steelmin Ltd., 80%, and Kemokomplex Group, 20%)	Plant at Jajce	50.
Do.	B.S.I. d.o.o. (Metalleghe S.p.a., 100%)	do.	20.
Do.	R-S Silicon d.o.o. (Metalleghe S.p.a., 100%)	Mrkonjic Grad	16.
Iron ore	ArcelorMittal Prijedor d.o.o. (ArcelorMittal S.A., 51%, and Rudnici Zeljezne Rude "Ljubija" a.d. Prijedor, 49%)	Buvac open pit mines at Ljubija	3,000.
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	30,000.
Do.	Rafineriji ulja Modriča a.d. Modriča (OAO "NefteGazInkor," 77%)	Oil refinery at Modrica	NA.
Pig iron	ArcelorMittal Zenica d.o.o. (ArcelorMittal S.A.)	Blast furnace at Zenica	1,100.
Salt	Rudnik Soli Tuzla d.d.	Tuzla	NA.
Steel:			
Crude	ArcelorMittal Zenica d.o.o. (ArcelorMittal S.A.)	Plant at Zenica	1,100.
Do.	Jelsingrad Livar Steel Foundry a.d.	Banja Luka	NA. ²
Semimanufactured	ArcelorMittal Zenica d.o.o. (ArcelorMittal S.A.)	Plant at Zenica	NA.

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

¹The company entered bankruptcy in 2013.

²Secondary production.