

2016 Minerals Yearbook

CROATIA

THE MINERAL INDUSTRY OF CROATIA

By Lindsey Abdale

In 2016, the production of mineral commodities—notably industrial minerals, such as gypsum; metals, such as iron and steel; and mineral fuels, such as refined petroleum—represented only a minor part of the economy of Croatia (Croatian Bureau of Statistics, 2017, p. 210). The legislative framework for the mineral sector in Croatia is provided by the Mining Act (Official Gazette No. 56/13, 14/14) and the Hydrocarbon Exploration and Exploitation Act (Official Gazette No. 94/13, 14/14). 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 Croatia 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

Croatian Bureau of Statistics, 2017, Statistical yearbook of the Republic of Croatia: Zagreb, Croatia, Croatian Bureau of Statistics, December, 587 p. (Accessed December 14, 2017, at https://www.dzs.hr/Hrv_Eng/ljetopis/2017/sljh2017.pdf.)

TABLE 1
CROATIA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity	2012	2013	2014	2015	2016
METALS					
Aluminum, metal, products:					
Alloys	41,772	34,143	30,083	6,713 [†]	6,700 [¢]
Semimanufactured:					
Extruded	8,246	6,837	6,458	3,808 [†]	NA
Rolled [¢]	69,700	163,000	195,000	128,000 [†]	2,270
Iron and steel:					
Raw steel, from electric arc furnaces	1,000	135,000	167,000	122,000	--
Products, semimanufactured	15,000 [†]	16,000 [†]	17,000 [†]	16,000 [†]	17,000
INDUSTRIAL MINERALS					
Cement:					
Clinker thousand metric tons	1,999	2,210	2,312	2,159 [†]	2,058
Portland cement do.	2,154	2,333	2,359	2,340 [†]	2,198
Other hydraulic cement do.	100	103	112	119 [†]	120 [¢]
Clay and shale, ceramic clay	86,303	24,129	32,751	--	--
Gypsum, including anhydrite, crude	182,557	114,450	120,055	138,088	170,107
Lime thousand metric tons	207	185	205	186	165
Nitrogen, N content, ammonia do.	342	343	376	375	347
Pumice and related materials, volcanic tuff [¢] do.	8	14	20	20	20
Salt, all sources	45,992 [†]	42,502	33,039	51,877	39,836
Stone, sand, and gravel:					
Sand and gravel, construction, unspecified, excluding glass sand thousand metric tons	3,683	3,199	3,497	3,545	3,444
Silica, mine production, quartz and quartzite	106,276	102,070	127,276	195,066 [†]	176,391
Stone, crushed, unspecified, including brown thousand metric tons	11,152	12,409	12,989	13,141 [†]	12,652
Stone, dimension, unspecified, ornamental and other	1,028,230	973,784	1,115,535	1,417,694 [†]	1,378,882
Sulfur, S content, petroleum byproduct	17,411	15,902	19,384	17,540	21,690
MINERAL FUELS AND RELATED MATERIALS					
Natural gas million cubic meters	2,013	1,862	1,804	1,828	1,690
Petroleum:					
Crude, including condensate thousand 42-gallon barrels	4,605	4,605	3,971	4,549	5,020
Refinery production:					
Distillate fuel oil do.	10,005	9,510	7,665	8,430	9,660
Gasoline, motor do.	9,682	9,110	7,029	8,069	8,436
Jet fuel do.	769	864	849	833	888
Liquefied petroleum gas do.	2,738	2,424	2,204	2,436	2,448
Residential fuel oil do.	2,930	2,791	2,384	2,591	3,330

[¢]Estimated. [†]Revised. do. Ditto. NA Not available. -- 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.

TABLE 2
CROATIA: 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
Aluminum, semimanufactures		Impol-TLM d.o.o. (Impol 2000 d.d., 100%)	Hot-rolling mill at Sibenik	110 ^{1,2}
Do.		TLM-TPP d.o.o. (private investor, 75%)	Extruded products plant at Sibenik	10 ^{2,3}
Do.		Top-Tvornica Olovni Proizvoda Aluminijskih d.d.	Sveta Nedelja	NA ³
Do.		Ivanal Tvornica Aluminija d.o.o.	Sibenik	3
Cement		Cemex Hrvatska d.d. (CEMEC S.A.B. de C.V., 100%)	Plants at Sveti Juraj, Sveti Kajo, and Kolovoz	2,400
Do.		Holcim (Hrvatska) d.o.o. (LafargeHolcim Ltd., 100%)	Plant at Koromacno	1,000
Do.		Calucem d.o.o (CALUCEM Group)	Plant at Pula	NA
Do.		Tvornica Cementa Umag d.o.o. (Istramineral Umag d.o.o., 100%)	Cement plant at Umag	350
Do.		Nasicecement d.d. (Nexe Grupa d.d.)	Nasice	110
Natural gas	million cubic meters	INA-Industrija Naft d.d. (MOL Group, 49.08%; Government, 44.84%; others, 6.08%)	Natural gasfields at Ika JZ, Izabela, Molve, offshore platforms in the Adriatic Sea, and other locations	2,000 ^e
Do.	do.	do.	Natural gasfields at Vuckovec, Zebanec, Medimurje Co.	NA
Nitrogen:				
Ammonia		Petrokemija d.d. (Government, 79.9%; pension funds, 9.5%; others, 10.6%)	Plant at Kutina	450
Calcium ammonium nitrate		do.	do.	400
Nitric acid		do.	do.	415
NPK fertilizer		do.	do.	600
Urea		do.	do.	500
Petroleum:				
Crude	thousand 42-gallon barrels per day	do.	Oilfields at Kalinovac, Sandrovac, Struzec, Zutica, and other locations	25 ^e
Refined	do.	do.	Refinery at Rijeka (Urinj)	90
Do.	do.	do.	Refinery at Sisak	44
Salt	metric tons	Solana Pag d.d.	Pag Island (marine salt)	30,000 ^e
Do.	do.	Small producers	Ston, Nin	10,000 ^e
Steel, crude		Acciarierie Bertoli Safau Sisak d.o.o. (Danieli Group, 100%)	Plant at Sisak	324 ¹
Do.		Adria Steel d.o.o. (Techcom GmbH, 100%)	Plant at Split	50 ³

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

¹Production discontinued in 2016 owing to market conditions.

²Production also included small amounts of aluminial alloys.

³Facility in bankruptcy; no production in 2016.