

The Czech Republic mine production and mineral reserves – Overview in the year 2020

Mineral	Specifications	production		Reserves												
		2020	Category in Czech wording	Reserves of the given category in 2020	Category in Czech wording	Category in English wording	Reserves of the given category in 2020	Category in Czech wording	Category in English wording	Reserves of the given category in 2020	Category in Czech wording	Category in English wording	Reserves of the given category in 2020	Category in Czech wording	Category in English wording	Reserves of the given category in 2020
Energy minerals																
Bituminous coal	ths tonnes	1 861		16 272 828			1 439 817					5 989 111				3 243
Brown coal	ths tonnes (Czech Statistical Office presents so-called sales mine production which is production of marketable brown coal and reaches on average about 95 % of given mine production)	29 505		8 565 403			2 111 604					2 059 854				586 457
Crude oil	ths tonnes	91		31 391			21 565					3 963				1 361
Lignite	ths tonnes	0		997 229			619 652					229 932				1 903
Natural gas	mil m ³ = ths tonnes	138		54 723			6 799					27 245				10 105
	tonnes U	29		134 948			1 300					19 448				276
Uranium	Concentrate production, tonnes U (corresponds to sales production (without beneficiation losses))	28														
Industrial minerals																
Barite	ths tonnes	0		1 015			0					0				0
Bentonite	ths tonnes (including mining of montmorillonite clays overburden of kaolins since 2004)	226		309 599			77 369					126 877				32 182
Clays	ths tonnes	454		910 937			160 363					390 826				38 747
Diatomite	ths tonnes	46		2 266			1 568					0				1 395
Dolomite	ths tonnes	398		522 028			80 529					337 297				7 526
Feldspar	ths tonnes	419		102 853			29 334					57 663				21 599
Feldspar substitutes	ths tonnes	29		199 680			0					199 680				24 111
Fluorspar	ths tonnes	0		2 210			0					32				0
Foundry sand	ths tonnes	470		405 761			124 748					133 412				72 891
Glass sand	ths tonnes	683		255 849			77 914					29 970				71 609
Gemstones	Pyrope bearing rock	ths tonnes	1	19 357			3 161					13 016				29 549
	Moldavite (tectite) bearing rock	ths m ³	46	1 420			21					1 394				236
		ths tonnes (1 m ³ = 1.8 tonnes)	83	2 556			38					2 509				425
Graphite	ths tonnes	0		13 022			2 891					4 346				35
Gypsum	ths tonnes	17		504 133			119 006					302 990				2 165
Kaolin	Raw, ths tonnes (total production of all technological grades) beneficiated, ths tonnes	3 069		1 148 248			240 196					465 952				104 278
Limestones and corrective additives for cement production	ths tonnes	11 296		4 712 955			2 009 011					1 819 539				1 257 354
Silica minerals	ths tonnes	11		26 668			763					21 716				417
Construction minerals																
Brick clays and related minerals	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	560		526 197			193 821					227 884				59 553
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	1 008		947 155			348 878					410 191				107 195
	Mine production in non-reserved deposits, ths m ³ (estimate)	404		692 192			63 609					521 313				10 697
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	727		1 245 946			114 496					938 363				19 255
Crushed stone	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	14 247		2 478 611			1 183 964					1 142 587				703 856
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	38 467		6 692 250			3 196 703					3 084 985				1 900 411
	Mine production in non-reserved deposits, ths m ³ (estimate)	1 465		1 030 658			40 480					912 416				48 268
Dimension stone	production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	3 956		2 782 776			109 296					2 463 523				130 324
	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	135		184 236			78 320					66 427				108 505
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	365		497 437			211 464					179 353				292 964
Sand and gravel	Mine production in non-reserved deposits, ths m ³ (estimate)	47		26 096			2 132					21 008				1 875
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	127		70 459			5 756					56 722				5 063
	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	6 476		2 109 426			1 066 585					801 125				400 093
Sand and gravel	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	11 657		3 796 967			1 919 853					1 442 025				720 167
	Mine production in non-reserved deposits, ths m ³ (estimate)	4 821		2 080 395			104 479					1 740 272				59 751
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	8 678		3 744 711			188 062					3 132 490				107 552
Metallic ores (not mined in the Czech Republic)																
Copper	ths tonnes Cu	0		51			0					0				51
Gold	tonnes Au	0		240			49					29				162
Lead	ths tonnes Pb	0		161			0					0				161
Lithium	tonnes Li	0		1 138 331			156 239					118 542				863 550
Manganese	ths tonnes ore	0		135 764			26 495					464				108 805
Silver	tonnes Ag	0		532			0					0				532
Tin	ths tonnes Sn	0		387			64					67				256
Tungsten	ths tonnes W	0		141			22					19				100
Zinc	ths tonnes Zn	0		559			0					0				559

Notes:

N - not available

Bituminous coal	The calorific value of mined bituminous coal Qir is between 25,60 and 36,30 MJ/kg, ash content Ad between 3,8 and 23,30 %.
Brown coal	The calorific value of mined brown coal Qir is between 9,76 and 17,81 MJ/kg, ash content Ad between 117,58 and 43,2 %. The sulfur content Sd is between 0,8 and 2,9 %.
Lignite	Lignite was not mined in 2020.
Construction minerals	Reserved mineral deposits are owned by the Czech Republic. Non-reserved deposits (especially lot of sand and gravel, crushed stone and brick clay deposits) are a constituent part of the land and are owned by landowners.