

The Czech Republic mine production and mineral reserves – Overview in the year 2022

Mineral	Specifications	production		R e s e r v e s															
		2022	Category in Czech wording	Category in English wording	Reserves of the given category in 2022		Category in Czech wording	Category in English wording	Reserves of the given category in 2022		Category in Czech wording	Category in English wording	Reserves of the given category in 2022		Category in Czech wording	Category in English wording	Reserves of the given category in 2022		
					2022	2022			2022	2022			2022	2022			2022	2022	
Energy minerals																			
Bituminous coal	ths tonnes	1 281			16 268 216			1 400 481					5 906 193				8 961 542		3 600
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)	33 398			8 505 781			2 055 968					2 059 854				4 389 959		531 481
Crude oil	ths tonnes	75	Čelkem	Total	31 233	Bilanční prozkoumané	Economic explored	21 422	Bilanční vyhledané	Economic prospected	3 999	Nebilanční	Potentially economic	5 813	Vyrýžitelné	Exploitable (recoverable)			1 330
Lignite	ths tonnes	0			997 229			619 652					229 932				147 645		1 903
Natural gas	mil m ³ = ths tonnes	165			29 904			6 633					2 735				20 536		4 819
	tonnes U	21			134 803			1 300					19 448				114 055		267
Uranium	Concentrate production, tonnes U (corresponds to sales production (without beneficiation losses))	26																	
Industrial minerals																			
Barite	ths tonnes	0			1 557			268					121				1 168		0
Bentonite	ths tonnes (including mining of montmorillonite clays overburden of kaolins since 2004)	167			323 604			82 446					134 488				106 670		23 369
Clays	ths tonnes	478			909 917			159 914					390 616				359 387		33 793
Diatomite	ths tonnes	44			2 197			1 503					0				694		1 333
Dolomite	ths tonnes	429			521 206			79 707					337 297				104 202		6 703
Feldspar	ths tonnes	433			101 802			28 368					57 577				15 856		29 288
Feldspar substitutes	ths tonnes	21			199 635			679 3					199 635				0		24 065
Fluorspar	ths tonnes	0			2 726			0					459				1 589		0
Foundry sand	ths tonnes	615			404 524			123 538					133 385				147 601		71 117
Glass sand	ths tonnes	664			254 378			76 443					29 970				147 965		70 139
Gemstones	Pyrope bearing rock	3	Čelkem	Total	19 354	Bilanční prozkoumané	Economic explored	3 159	Bilanční vyhledané	Economic prospected	13 015	Nebilanční	Potentially economic	3 180	Vyrýžitelné	Exploitable (recoverable)			1 096
	Moldavite (tectite) bearing rock	48			1 324			4					1 315				5		141
	ths tonnes (1 m ³ = 1.8 tonnes)	86			2 383			7					2 367				9		254
Graphite	ths tonnes	0			589			0					589				0		34
Gypsum	ths tonnes	20			504 096			118 969					302 990				82 137		2 128
Kaolin	Raw, ths tonnes (total production of all technological grades)	3 009			1 158 543			246 781					481 901				429 861		108 636
	Beneficiated, ths tonnes	558																	
Limestones and corrective additives for cement production	ths tonnes	10 784			4 696 661			1 993 334					1 819 594				883 733		1 336 401
Silica minerals	ths tonnes	10			26 519			914					21 416				4 189		178
Construction minerals																			
Brick clays and related minerals	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	578			524 943			193 311					227 376				104 256		67 472
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	1 040			944 897			347 960					409 277				187 661		121 450
	Mine production in non-reserved deposits, ths m ³ (estimate)	448			699 271			59 718					517 213				122 340		11 026
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	806			1 258 688			107 492					930 983				220 212		19 847
Crushed stone	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	14 883			2 512 650			1 220 713					1 142 092				149 845		726 590
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	40 184			6 784 155			3 295 925					3 083 648				404 582		1 961 793
	Mine production in non-reserved deposits, ths m ³ (estimate)	1 805			1 081 742			42 592					908 272				130 878		57 702
Dimension stone	Mine production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	4 874			2 920 703			114 998					2 452 334				353 371		155 795
	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	112			183 139			77 729					66 300				39 110		85 108
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	302			494 475			209 868					179 010				105 597		229 792
	Mine production in non-reserved deposits, ths m ³ (estimate)	32			26 285			2 039					21 290				2 956		4 585
Sand and gravel	Mine production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	86			70 970			5 505					57 483				7 981		12 380
	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	6 739			2 093 692			1 072 133					778 692				242 867		567 049
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	12 130			3 768 646			1 929 839					1 401 646				437 161		1 020 688
	Mine production in non-reserved deposits, ths m ³ (estimate)	5 046			2 077 863			104 067					1 737 672				236 124		71 638
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	9 083			3 740 153			187 321					3 127 810				425 023		128 948
Metallic ores (not mined in the Czech Republic)																			
Copper	ths tonnes Cu	0			51			0					0				51		
Gold	tonnes Au	0			242			49					31				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			23					19				100		
Zinc	ths tonnes Zn	0			559			0					0				559		

Notes:

Bituminous coal	The calorific value of mined bituminous coal Qir is 21.11 and 36,35 MJ/kg, ash content Ad is 4.00 %.
Brown coal	The calorific value of mined brown coal Qir is between 9.79 and 17.95 MJ/kg, ash content Ad between 18.52 and 42.80 %. The sulfur content Sd is between 1.1 and 2.90 %.
Lignite	Lignite was not mined in 2022.
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.