

The Czech Republic mine production and mineral reserves – Overview in the year 2023

Mineral	Specifications	production		R e s e r v e s												
		2023	Category in Czech wording	Reserves of the given category in 2023	Category in Czech wording	Category in English wording	Reserves of the given category in 2023	Category in Czech wording	Category in English wording	Reserves of the given category in 2023	Category in Czech wording	Category in English wording	Reserves of the given category in 2023	Category in Czech wording	Category in English wording	Reserves of the given category in 2023
Energy minerals																
Bituminous coal	ths tonnes	1 000		16 322 035			1 261 763			5 755 398			9 304 874			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)	28 660		8 474 594			2 026 949			2 059 854			4 387 791			531 481
Crude oil	ths tonnes	67	Čelkem	31 558	Total		21 422			4 323			5 813			1 330
Lignite	ths tonnes	0		997 229			619 652			229 932			147 645			1 903
Natural gas	mil m ³ = ths tonnes	119		29 859			6 571			2 752			20 536			4 819
Uranium	tonnes U Concentrate production, tonnes U (corresponds to sales production (without beneficiation losses))	13 26		134 803			1 300			19 448			114 043			267
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)	196		323 185			82 250			134 265			106 670			23 369
Clays	ths tonnes	426		909 064			159 239			396 594			353 231			33 793
Diatomite	ths tonnes	38		2 156			1 462			0			694			1 296
Dolomite	ths tonnes	344		520 862			79 363			337 297			104 202			6 359
Feldspar	ths tonnes	352		113 794			30 702			62 069			21 023			25 419
Feldspar substitutes	ths tonnes	23		199 612			0			199 612			0			24 042
Fluorspar	ths tonnes	0		2 726			679			459			0			0
Foundry sand	ths tonnes	543		415 718			130 409			139 259			146 050			34 180
Glass sand	ths tonnes	555		267 526			86 498			28 769			152 259			27 879
Gemstones	Pyrope bearing rock Moldavite (tectite) bearing rock	4 38	Čelkem	19 217	Total		3 79			13 133			3 5			1 093 184
	ths tonnes ths m ³	68		391			7			239			9			254
Graphite	ths tonnes	0		589			0			589			0			34
Gypsum	ths tonnes	11		504 085			118 958			302 990			82 137			2 117
Kaolin	Raw, ths tonnes (total production of all technological grades) Beneficiated, ths tonnes	2 402 439		1 143 995			262 393			472 871			408 731			110 061
Limestones and corrective additives for cement production	ths tonnes	9 272		4 699 478			1 993 388			1 822 357			883 733			848 538
Silica minerals	ths tonnes	13		26 490			885			21 416			4 189			164
Construction minerals																
Brick clays and related minerals	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	349		524 508			193 060			227 192			104 256			67 516
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	628		944 114			347 508			408 946			187 661			121 529
	Mine production in non-reserved deposits, ths m ³ (estimate)	256		702 492			60 097			516 945			125 450			12 554
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	461		1 258 688			108 175			930 501			225 810			22 597
Crushed stone	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	13 773		2 561 417			1 259 183			1 152 912			149 322			760 298
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	37 187		6 915 826			3 399 794			3 112 862			403 169			2 052 805
	Mine production in non-reserved deposits, ths m ³ (estimate)	1 632		1 084 167			42 477			910 812			130 878			65 456
Dimension stone	Mine production in non-reserved production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	4 406		2 927 251			114 688			2 459 192			353 371			176 731
	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	118		182 786			77 678			65 998			39 110			82 771
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	319		493 522			209 731			178 195			105 597			223 482
	Mine production in non-reserved deposits, ths m ³ (estimate)	35		26 251			2 039			21 256			2 956			6 401
Sand and gravel	Mine production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	95		70 970			5 505			57 391			7 981			17 283
	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	5 912		2 139 265			1 085 562			814 009			239 694			547 606
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	10 642		3 850 677			1 954 012			1 465 216			431 449			985 691
	Mine production in non-reserved deposits, ths m ³ (estimate)	4 409		2 078 067			103 784			1 740 286			233 997			100 756
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	7 936		3 740 521			186 811			3 132 515			421 195			181 361
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			22			19			100			
Zinc	ths tonnes Zn	0		559			0			0			559			

Notes:

Bituminous coal	The calorific value of mined bituminous coal Qir is 22.38 and 30,7 MJ/kg, ash content Ad is 4.00 %.
Brown coal	The calorific value of mined brown coal Qir is between 9.98 and 17.48 MJ/kg, ash content Ad between 21.19 and 41.80 %. The sulfur content Sd is between 0.97 and 2.80 %.
Lignite	Lignite was not mined in 2023.
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.