

The Czech Republic mine production and mineral reserves – Overview in the year 2017

Mineral	Specifications	production		R e s e r v e s														
		2017	Category in Czech wording	Category in English wording	Reserves of the given category in			Reserves of the given category in			Reserves of the given category in							
					2017	Category in Czech wording	Category in English wording	2017	Category in Czech wording	Category in English wording	2017	Category in Czech wording	Category in English wording					
Energy minerals																		
Bituminous coal	ths tonnes	4 870			16 283 583			1 460 044				5 991 133			8 832 406			22 513
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)	39 310			8 673 268	Bilanční prozkoumané	Economic explored	2 210 477	Bilanční vyhledané	Economic prospected	2 059 859	4 402 932	Vyřizitelné	Exploitable (recoverable)	681 540			
Crude oil	ths tonnes	107			30 546			21 386			3 345	5 815			1 401			
Lignite	ths tonnes	0			997 229			619 652			229 932	147 645			1 903			
Natural gas	mil m ³ = ths tonnes	171			30 666			7 236			2 951	20 479			10 965			
	tonnes U	56			134 948			1 300			19 448	114 200			276			
Uranium	Concentrate production, tonnes U (corresponds to sales production (without beneficiation losses))	59																
Industrial minerals																		
Barite	ths tonnes	0			1 015			0			0	1 015			0			
Bentonite	ths tonnes (including mining of montmorillonite clays overburden of kaolins since 2004)	254			310 367			78 103			126 877	105 387			30 396			
Clays	ths tonnes	537			915 814			164 828			391 585	359 501			45 096			
Diatomite	ths tonnes	34			2 397			1 693			0	704			1 515			
Dolomite	ths tonnes	450			525 046			83 536			348 288	93 222			10 429			
Feldspar	ths tonnes	368			76 063			24 203			36 162	15 698			22 872			
Feldspar substitutes	ths tonnes	34			199 773			0			199 773	0		24 203				
Fluorspar	ths tonnes	0			2 210			0			32	2 178			0			
Foundry sand	ths tonnes	556			409 489			126 323			136 319	146 847			76 612			
Gemstones	Pyrope bearing rock	ths tonnes	34		17 566			1 383			13 002	3 181			29 549			
	Moldavite bearing rock	ths m ³	54		3 917			430			388	3 099			384 790			
	ths tonnes (1 m ³ = 1.8 tonnes)	97			7 051			774			698	5 578			692 622			
Glass sand	ths tonnes	755			249 379			80 232			24 415	144 732			73 918			
Graphite	ths tonnes	0			13 701			2 981			4 935	5 785			35			
Gypsum	ths tonnes	7			503 168			118 041			302 990	82 137			2 200			
Kaolin	Raw, ths tonnes (total production of all technological grades)	3 669			1 171 402			217 351			499 514	454 537			92 037			
	Beneficiated, ths tonnes	676																
Limestones and corrective additives for cement production	ths tonnes	10 787			4 728 765			2 024 489			1 814 997	889 279			932 830			
Silica minerals	ths tonnes	17			25 182			763			20 230	4 189			377			
Construction minerals																		
Brick clays and related minerals	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	678			530 342			197 863			228 242	104 237			58 039			
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	1 220			954 616			356 153			410 836	187 627			104 470			
	Mine production in non-reserved deposits, ths m ³ (estimate)	251			694 119			63 622			523 644	106 853			566 378			
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	452			1 249 414			114 520			942 559	192 335			114 520			
Crushed stone	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	12 776			2 427 682			1 179 031			1 103 824	144 827			713 100			
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	34 495			6 554 741			3 183 384			2 980 325	391 033			1 925 370			
	Mine production in non-reserved deposits, ths m ³ (estimate)	1 251			1 026 215			39 428			908 480	78 307			933 706			
	production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	3 378			2 770 781			106 456			2 452 896	211 429			2 521 006			
Dimension stone	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	111			181 972			77 590			64 888	39 494			89 048			
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	300			491 324			209 493			175 198	106 634			240 430			
	Mine production in non-reserved deposits, ths m ³ (estimate)	33			33 152			2 164			28 032	2 956			30 196			
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	89			89 510			5 843			75 686	7 981			81 529			
Sand and gravel	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	6 198			2 106 593			1 070 659			798 996	236 938			375 261			
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	11 156			3 791 867			1 927 186			1 438 193	426 488			675 470			
	Mine production in non-reserved deposits, ths m ³ (estimate)	4 829			2 096 952			104 485			1 756 665	235 802			1 492 748			
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	8 692			3 774 514			188 073			3 161 997	424 444			2 686 946			
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			151			0			0	151						
Lithium	tonnes Li	0			1 138 331			156 239			118 542	863 550						
Manganese	ths tonnes ore	0			135 695			23 372			3 508	108 805						
Silver	tonnes Ag	0			53			0			0	53						
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 between 24,14 and 36,49 MJ/kg, ash content Ad between 5,4 and 40,1 %.
Brown coal	The calorific value of mined brown coal Qir is between 10 and 17,6 MJ/kg, ash content Ad between 16,6 and 41,71 %. The sulfur content Sd is between 0,9 and 2,9 %.
Lignite	Lignite was not mined in 2017.
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.