

The Czech Republic mine production and mineral reserves – Overview in the year 2018

Mineral	Specifications	production		R e s e r v e s													
		2018	Category in Czech wording	Category in English wording	Reserves of the given category in		Category in Czech wording	Category in English wording	Reserves of the given category in		Category in Czech wording	Category in English wording	Reserves of the given category in				
					2018	Category in Czech wording			2018	Category in Czech wording			2018	Category in Czech wording			
<b>Energy minerals</b>																	
Bituminous coal	ths tonnes	4 110			16 117 550			1 450 481			5 830 315			8 836 754			29 252
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)	39 187	Celkem	Total	8 633 149	Bilanční prozkoumané	Economic explored	2 173 864	Bilanční vyhledané	Economic prospected	2 059 859	Nebilanční	Potentially economic	4 399 426	Vyrýžetelné	Exploitable (recoverable)	646 528
	Crude oil	ths tonnes															
Lignite	ths tonnes	0			957 229			619 652			229 932			147 645			1 993
Natural gas	mil m <sup>3</sup> = ths tonnes	179			30 594			7 116			2 852			20 626			10 376
	ths tonnes U	34			134 948			1 300			19 448			114 166			276
Uranium	Concentrate production, tonnes U (corresponds to sales production (without beneficiation losses))	29															
<b>Industrial minerals</b>																	
Barite	ths tonnes	0			1 015			0			0			1 015			0
Bentonite	ths tonnes (including mining of montmorillonite clays overburden of kaolins since 2004)	277			310 355			78 103			126 880			105 372			32 276
Clays	ths tonnes	469			786 985			164 596			391 449			230 940			39 284
Diatomite	ths tonnes	31			2 363			1 661			0			702			1 484
Dolomite	ths tonnes	451			524 595			83 087			348 286			93 222			9 979
Feldspar	ths tonnes	449			91 722			28 709			47 157			15 856			22 596
Feldspar substitutes	ths tonnes	31			199 742			0			199 742			0			24 173
Fluorspar	ths tonnes	0			2 210			0			32			2 178			0
Foundry sand	ths tonnes	559			405 205			125 757			132 601			146 847			76 034
Gemstones	Pyrope bearing rock	ths tonnes	13	Celkem	Total	19 353	Bilanční prozkoumané	Economic explored	3 170	Bilanční vyhledané	13 002	Nebilanční	Potentially economic	3 181	Vyrýžetelné	Exploitable (recoverable)	29 562
	Moldavite (tectite) bearing rock	ths m <sup>3</sup>	61														
Glass sand	ths tonnes	743			248 584			79 437			24 415			144 732			73 126
	Graphite	ths tonnes	0		13 701			2 981			4 935			5 785			35
Gypsum	ths tonnes	8			504 160			119 033			302 990			82 137			2 192
Kaolin	Raw, ths tonnes (total production of all technological grades)	3 622			1 174 798			247 926			484 216			442 656			100 630
	Beneficiated, ths tonnes	653															
Limestones and corrective additives for cement production	ths tonnes	12 377			5 248 025			2 260 676			1 976 534			1 010 815			1 761 808
Silica minerals	ths tonnes	16			25 166			763			20 214			4 189			445
<b>Construction minerals</b>																	
Brick clays and related minerals	Mine production in reserved deposits, ths m <sup>3</sup> (decrease of mineral reserves by mine production)	825			529 033			196 673			228 123			104 237			57 541
	Mine production in reserved deposits, ths tonnes (1m <sup>3</sup> = 1.8 tonnes) (decrease of mineral reserves by mine production)	1 485			952 260			354 011			410 621			187 627			103 574
	Mine production in non-reserved deposits, ths m <sup>3</sup> (estimate)	298			693 821			63 622			523 346			106 853			10 621
	Mine production in non-reserved deposits, ths tonnes (1m <sup>3</sup> = 1.8 tonnes) (estimate)	536			1 248 878			114 520			942 023			192 335			19 636
Crushed stone	Mine production in reserved deposits, ths m <sup>3</sup> (decrease of mineral reserves by mine production)	14 140			2 439 218			1 118 023			1 172 439			148 756			710 045
	Mine production in reserved deposits, ths tonnes (1m <sup>3</sup> = 2.7 tonnes) (decrease of mineral reserves by mine production)	38 178			6 585 889			3 018 662			3 165 585			401 641			1 917 122
	Mine production in non-reserved deposits, ths m <sup>3</sup> (estimate)	1 151			1 029 172			39 380			911 485			78 307			51 855
	production in non-reserved deposits, ths tonnes (1m <sup>3</sup> = 2.7 tonnes) (estimate)	3 108			563 856			106 326			246 101			211 429			140 036
Dimension stone	Mine production in reserved deposits, ths m <sup>3</sup> (decrease of mineral reserves by mine production)	116			181 567			77 688			64 386			39 493			88 115
	Mine production in reserved deposits, ths tonnes (1m <sup>3</sup> = 2.7 tonnes) (decrease of mineral reserves by mine production)	313			490 231			209 758			173 842			106 631			237 911
	Mine production in non-reserved deposits, ths m <sup>3</sup> (estimate)	18			33 256			2 158			28 142			2 956			1 610
	Mine production in non-reserved deposits, ths tonnes (1m <sup>3</sup> = 2.7 tonnes) (estimate)	49			89 510			5 843			75 983			7 981			4 347
Sand and gravel	Mine production in reserved deposits, ths m <sup>3</sup> (decrease of mineral reserves by mine production)	6 499			2 100 538			1 072 587			786 625			241 326			382 965
	Mine production in reserved deposits, ths tonnes (1m <sup>3</sup> = 1.8 tonnes) (decrease of mineral reserves by mine production)	11 698			3 780 968			1 930 657			1 415 925			434 387			689 337
	Mine production in non-reserved deposits, ths m <sup>3</sup> (estimate)	4 875			2 095 997			104 232			1 755 963			235 802			57 025
	Mine production in non-reserved deposits, ths tonnes (1m <sup>3</sup> = 1.8 tonnes) (estimate)	8 775			3 772 795			187 618			3 160 733			424 444			102 645
<b>Metallic ores (not mined in the Czech Republic)</b>																	
Copper	ths tonnes Cu	0			51			0			0			51			
Gold	ths tonnes Au	0			239			49			29			162			
Lead	ths tonnes Pb	0			161			0			0			161			
Lithium	ths tonnes Li	0			112 775			0			0			112 775			
Manganese	ths tonnes ore	0			135 685			23 372			3 508			108 805			
Silver	ths 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:  
N - not available

Bituminous coal	The calorific value of mined bituminous coal Qir is between 25,80 and 36,64 MJ/kg, ash content Ad between 2,6 and 36,60 %.
Brown coal	The calorific value of mined brown coal Qir is between 9,85 and 17,65 MJ/kg, ash content Ad between 19,40 and 42,40 %. The sulfur content Sd is between 0,9 and 2,9 %.
Lignite	Lignite was not mined in 2018.
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.