

The Czech Republic mine production and mineral reserves – Overview in the year 2021

Mineral	Specifications	production		R e s e r v e s														
		2021	Category in Czech wording	Category in English wording	Reserves of the given category in 2021		Category in Czech wording	Category in English wording	Reserves of the given category in 2021		Category in Czech wording	Category in English wording	Reserves of the given category in 2021		Category in Czech wording	Category in English wording	Reserves of the given category in 2021	
					2021	2021			2021	2021			2021	2021			2021	
<b>Energy minerals</b>																		
Bituminous coal	ths tonnes	2 008			16 269 450			1 400 735			5 907 419			8 961 296				1 360
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)	29 278			8 565 403			2 111 604			2 059 854			4 393 945				586 457
Crude oil	ths tonnes	83	CELKEM	TOTAL	31 308			21 491			4 004			5 813				1 359
Lignite	ths tonnes	0			997 229			619 652			229 932			147 645				1 903
Natural gas	mil m <sup>3</sup> = ths tonnes	153			23 341			27			2 776			20 538				4 098
Uranium	tonnes U Concentrate production, tonnes U (corresponds to sales production (without beneficiation losses))	26			134 825			1 300			19 448			114 077				276
<b>Industrial minerals</b>																		
Barite	ths tonnes	0			1 557			268			121			1 168				0
Bentonite	ths tonnes (including mining of montmorillonite clays overburden of kaolins since 2004)	198			323 772			82 614			134 488			106 670				32 182
Clays	ths tonnes	456			910 235			160 165			390 616			359 454				33 998
Diatomite	ths tonnes	18			2 246			1 550			0			696				1 377
Dolomite	ths tonnes	393			521 635			80 136			337 297			104 202				7 132
Feldspar	ths tonnes	504			102 324			28 846			57 622			15 856				29 709
Feldspar substitutes	ths tonnes	24			199 656			679 0			199 656			0				24 086
Fluorspar	ths tonnes	0			2 726			679 0			459 0			1 589 0				0
Foundry sand	ths tonnes	583			405 180			124 162			133 397			147 801				4 374
Glass sand	ths tonnes	715			255 088			77 153			29 970			147 965				36 781
Gemstones	Pyrope bearing rock Moldavite (tectite) bearing rock	0 49	CELKEM	TOTAL	19 357 1 371			3 161 9			13 016 1 357			3 180 5				1 099 187
Graphite	ths tonnes	0			589			0			589			0				34
Gypsum	ths tonnes	17			504 116			118 989			302 990			82 137				43 635
Kaolin	Raw, ths tonnes (total production of all technological grades) Beneficiated, ths tonnes	3 454 645			1 162 974			247 199			481 923			433 852				101 371
Limestones and corrective additives for cement production	ths tonnes	11 480			4 699 955			1 999 855			1 815 695			884 405				1 347 019
Silica minerals	ths tonnes	20			26 529			924			21 416			4 189				188
<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)	595			525 687			193 458			227 971			104 258				65 882
	Mine production in reserved deposits, ths tonnes (1m <sup>3</sup> = 1.8 tonnes) (decrease of mineral reserves by mine production)	1 071			947 155			348 224			410 348			188 086				118 588
	Mine production in non-reserved deposits, ths m <sup>3</sup> (estimate)	411			692 731			65 612			519 845			107 274				10 654
	Mine production in non-reserved deposits, ths tonnes (1m <sup>3</sup> = 1.8 tonnes) (estimate)	740			1 246 916			118 102			935 721			193 093				19 177
Crushed stone	Mine production in reserved deposits, ths m <sup>3</sup> (decrease of mineral reserves by mine production)	14 883			2 491 395			1 181 819			1 157 520			152 056				739 016
	Mine production in reserved deposits, ths tonnes (1m <sup>3</sup> = 2.7 tonnes) (decrease of mineral reserves by mine production)	40 184			6 726 767			3 190 911			3 125 304			410 551				1 995 343
	Mine production in non-reserved deposits, ths m <sup>3</sup> (estimate)	1 703			1 090 666			41 801			918 307			130 558				55 069
	production in non-reserved deposits, ths tonnes (1m <sup>3</sup> = 2.7 tonnes) (estimate)	4 598			2 944 798			112 863			2 479 429			352 507				148 686
Dimension stone	Mine production in reserved deposits, ths m <sup>3</sup> (decrease of mineral reserves by mine production)	125			182 835			78 031			65 753			39 051				79 798
	Mine production in reserved deposits, ths tonnes (1m <sup>3</sup> = 2.7 tonnes) (decrease of mineral reserves by mine production)	338			493 655			210 684			177 533			105 438				215 455
	Mine production in non-reserved deposits, ths m <sup>3</sup> (estimate)	62			26 520			2 101			21 463			2 956				1 931
	Mine production in non-reserved deposits, ths tonnes (1m <sup>3</sup> = 2.7 tonnes) (estimate)	167			71 604			5 673			57 950			7 981				5 214
Sand and gravel	Mine production in reserved deposits, ths m <sup>3</sup> (decrease of mineral reserves by mine production)	6 602			2 100 932			1 076 839			782 356			241 737				555 455
	Mine production in reserved deposits, ths tonnes (1m <sup>3</sup> = 1.8 tonnes) (decrease of mineral reserves by mine production)	11 884			3 781 678			1 938 310			1 408 241			435 127				999 819
	Mine production in non-reserved deposits, ths m <sup>3</sup> (estimate)	5 270			2 076 102			104 150			1 736 587			235 365				60 123
	Mine production in non-reserved deposits, ths tonnes (1m <sup>3</sup> = 1.8 tonnes) (estimate)	9 486			3 736 984			187 470			3 125 857			423 657				108 221
<b>Metallic ores (not mined in the Czech Republic)</b>																		
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:**

N - not available

Bituminous coal	The calorific value of mined bituminous coal Qir is between 23,04 and 36,35 MJ/kg, ash content Ad between 3,7 and 30,00 %.
Brown coal	The calorific value of mined brown coal Qir is between 9,93 and 17,82 MJ/kg, ash content Ad between 18,23 and 42,50 %. The sulfur content Sd is between 0,97 and 2,90 %.
Lignite	Lignite was not mined in 2021.
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.