

The Czech Republic mine production and mineral reserves – Overview in the year 2019

Mineral	Specifications	production		Reserves														
		2019	Category in Czech wording	Reserves of the given category in 2019	Category in Czech wording	Reserves of the given category in 2019	Category in Czech wording	Reserves of the given category in 2019	Category in Czech wording	Reserves of the given category in 2019	Category in Czech wording	Reserves of the given category in 2019	Category in Czech wording	Reserves of the given category in 2019				
															Category in English wording	Category in English wording	Category in English wording	Category in English wording
Energy minerals																		
Bituminous coal	ths tonnes	3 150	Celkem	Total	16 275 710	Bilanční prozkoumané	Economic explored	1 441 494	Bilanční vyhledané	Economic prospected	5 989 227	Nebilanční	Potentially economic	8 844 989	Vydělitelné	Exploitable (recoverable)	15 910	
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)	37 465			8 595 438			2 138 948			2 059 859			4 396 631			612 729	
Crude oil	ths tonnes	81			31 482			21 648			4 020			5 814			1 442	
Lignite	ths tonnes	0			997 229			619 652			229 932			147 645			1 903	
Natural gas	mil m ³ = ths tonnes	146			30 339			6 994			2 807			20 538			4 455	
	tonnes U	33			134 862			1 300			19 448			114 114			276	
Uranium	Concentrate production, tonnes U (corresponds to sales production (without beneficiation losses))	36																
Industrial minerals																		
Barite	ths tonnes	0	Celkem	Total	1 015	Bilanční prozkoumané	Economic explored	0	Bilanční vyhledané	Economic prospected	0	Nebilanční	Potentially economic	1 015	Vydělitelné	Exploitable (recoverable)	0	
Bentonite	ths tonnes (including mining of montmorillonite clays overburden of kaolins since 2004)	357			309 801			77 571			126 877			105 353			31 995	
Clays	ths tonnes	441			911 289			161 859			390 864			358 566			39 997	
Diatomite	ths tonnes	43			2 316			1 615			0			700			1 441	
Dolomite	ths tonnes	453			524 142			82 643			337 297			104 202			9 526	
Feldspar	ths tonnes	460			101 487			29 742			55 889			15 856			22 126	
Feldspar substitutes	ths tonnes	33			199 709			0			199 709			0			24 140	
Fluorspar	ths tonnes	0			2 210			0			32			2 178			0	
Foundry sand	ths tonnes	332			398 055			125 227			125 227			147 601			72 337	
Glass sand	ths tonnes	740			256 579			78 644			29 970			147 965			73 378	
Gemstones	Pyrope bearing rock	ths tonnes			12			19 359			3 162			13 016			3 181	29 551
	Moldavite (tectite) bearing rock	ths m ³			42			398			26			367			5	281
	ths tonnes (1 m ³ = 1.8 tonnes)	76			1 145			475			661			9			506	
Graphite	ths tonnes	0			13 701			2 981			4 935			5 785			0	
Gypsum	ths tonnes	10			504 149			119 022			302 990			82 137			2 181	
Kaolin	Raw, ths tonnes (total production of all technological grades)	3 446			1 147 845			244 432			461 095			442 318			106 311	
	Beneficiated, ths tonnes	629																
Limestones and corrective additives for cement production	ths tonnes	11 806	4 724 737	2 020 836	1 819 539	884 362	1 282 556											
Silica minerals	ths tonnes	17	26 679	763	21 727	4 189	428											
Construction minerals																		
Brick clays and related minerals	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	694	Celkem	Total	527 679	Bilanční prozkoumané	Economic explored	194 738	Bilanční vyhledané	Economic prospected	227 968	Nebilanční	Potentially economic	104 973	Vydělitelné	Exploitable (recoverable)	56 505	
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	1 249			949 822			350 528			410 342			188 951			101 709	
	Mine production in non-reserved deposits, ths m ³ (estimate)	301			693 532			63 622			523 057			106 853			10 514	
	Mine production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	542			1 248 358			114 520			941 503			192 335			18 925	
Crushed stone	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	14 057	Celkem	Total	2 457 253	Bilanční prozkoumané	Economic explored	1 173 441	Bilanční vyhledané	Economic prospected	1 133 231	Nebilanční	Potentially economic	150 581	Vydělitelné	Exploitable (recoverable)	693 865	
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	37 954			6 634 583			3 168 291			3 059 724			406 569			1 873 436	
	Mine production in non-reserved deposits, ths m ³ (estimate)	1 449			1 030 196			40 544			911 345			78 307			52 878	
	Mine production in non-reserved production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	3 912			2 781 530			109 469			2 460 632			211 429			142 771	
Dimension stone	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	117	Celkem	Total	181 383	Bilanční prozkoumané	Economic explored	77 511	Bilanční vyhledané	Economic prospected	64 380	Nebilanční	Potentially economic	39 492	Vydělitelné	Exploitable (recoverable)	77 407	
	Mine production in reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (decrease of mineral reserves by mine production)	316			489 734			209 280			173 626			106 628			208 999	
	Mine production in non-reserved deposits, ths m ³ (estimate)	16			33 232			2 152			28 124			2 956			1 192	
	Mine production in non-reserved production in non-reserved deposits, ths tonnes (1m ³ = 2.7 tonnes) (estimate)	43			89 729			5 738			75 935			7 981			3 218	
Sand and gravel	Mine production in reserved deposits, ths m ³ (decrease of mineral reserves by mine production)	6 204	Celkem	Total	2 118 240	Bilanční prozkoumané	Economic explored	1 073 155	Bilanční vyhledané	Economic prospected	803 566	Nebilanční	Potentially economic	241 519	Vydělitelné	Exploitable (recoverable)	397 770	
	Mine production in reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (decrease of mineral reserves by mine production)	11 167			3 812 832			1 931 679			1 446 419			434 734			715 986	
	Mine production in non-reserved deposits, ths m ³ (estimate)	4 897			2 071 278			104 040			1 731 561			235 677			55 169	
	Mine production in non-reserved production in non-reserved deposits, ths tonnes (1m ³ = 1.8 tonnes) (estimate)	8 815			3 728 300			187 272			3 116 810			424 219			99 304	
Metallic ores (not mined in the Czech Republic)																		
Copper	ths tonnes Cu	0	Celkem	Total	51	Bilanční prozkoumané	Economic explored	0	Bilanční vyhledané	Economic prospected	0	Nebilanční	Potentially economic	51	Vydělitelné	Exploitable (recoverable)	51	
Gold	ths tonnes Au	0			239			49			29			162				
Lead	ths tonnes Pb	161			0			0			0			161				
Lithium	ths 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	ths 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:
N - not available

Bituminous coal	The calorific value of mined bituminous coal Qir is between 25,60 and 36,42 MJ/kg, ash content Ad between 3,8 and 23,30 %.
Brown coal	The calorific value of mined brown coal Qir is between 10,94 and 17,30 MJ/kg, ash content Ad between 18,65 and 42,60 %. The sulfur content Sd is between 0,9 and 2,9 %.
Lignite	Lignite was not mined in 2019.

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.