The Czech Republic mine production and mineral reserves – Overview in the year 2013

Mineral	Specifications	production	Reserves															
		2013	Category in Czech wording	Category in English wording	Reserves of the given category in 2013	Category in Czech wording	Category in English wording	Reserves of the given category in 2013	Category in Czech wording	Category in English wording	Reserves of the given category in 2013	Category in Czech wording	Category in English wording	Reserves of the given category in 2013	Category in Czech wording	Category in English wording	Reserves of the given category in 2013
Energy minerals																		
Bituminous coal	ths tonnes	8 610	Celkem	Total	16 315 667	Bilanční prozkoumané	Economic explored	1 487 287	Bilanční vyhledané	Economic prospected	5 993 801	Nebilanční	Potentially economic	8 834 579	Vytěžitelné	Exploitable (recoverable)	66 301
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)	40 585			8 859 890			2 308 649			2 062 445			4 488 796			825 322
Crude oil	ths tonnes	152			28 811			21 236			1 758			5 817			1 534
Lignite	ths tonnes	0			229 932			619 652			229 932			147 645			1 903
Natural gas	mil m^3 = ths tonnes	207			31			7 646			2 981			20 458			5 512
Uranium	tonnes U	232			135 144			1 327			19 427			114 391			284
	Concentrate production, tonnes U (corresponds to sales production (without beneficiation losses))	206															
Industrial minerals																		
Barite	ths tonnes	0			569			0			0			569			0
Bentonite	ths tonnes (including mining of montmorillonite clays overburden of kaolins since 2004)	226			294 885			73 703			128 326			105 151			30 493
Clays	ths tonnes	465			923 868			176 926			399 072			347 870			42 839
Diatomite	ths tonnes	49			2 520			1 808			0			712			1 624
Dolomite	ths tonnes	392			526 826			85 316			348 288			93 222			12 212
Feldspar	ths tonnes	411			70 184			25 898			30 815			13 480			24 299
Feldspar substitutes	ths tonnes	15			199 876			0			199 876			0			24 306
Fluorspar	ths tonnes	0			2 033			0			0			2 033			0
Foundry sand	ths tonnes	412			408 726			127 937			133 377			147 412			78 250
Gemstones – **Pyrope bearing rock**	ths tonnes	16			19 443			3 260			13 002			3 181			1 148
Gemstones – **Moldavite (tectite) bearing rock**	ths m^3	41			687			142			542			3			637
	ths tonnes (1 m^3 = 1.8 tonnes)	73			1 236			255			975			6			1 146
Glass sand	ths tonnes	862			254 872			84 755			25 077			145 040			78 429
Graphite	ths tonnes	0			2 606			1 106			2 606			10 447			50
Gypsum	ths tonnes	11			504 227			119 100			302 990			82 127			2 259
Kaolin	Raw, ths tonnes (total production of all technological grades)	3 108			1 191 129			225 092			506 010			460 027			98 199
	Beneficiated, ths tonnes	609															
Limestones and corrective additives for cement production	ths tonnes	9 269			4 232 061			1 710 231			1 776 915			744 752			1 335 540
Silica minerals	ths tonnes	15			25 749			763			20 297			4 689			528
Construction minerals																		
Brick clays and related minerals	Mine production in reserved deposits, ths m3 (decrease of	743			538 997			201 808			232 522			104 667			64 385
	Mine production in reserved deposits, ths tonnes (1m3 = 1.8 tonnes) (decrease of mineral reserves by mine production)	1 337			970 195			363 254			418 540			188 401			115 893
	Mine production in non-reserved deposits, ths m3 (estimate)	140			688 636			63 622			518 164			106 853			2 834
	Mine production in non-reserved deposits, ths tonnes (1m3 = 1.8 tonnes) (estimate)	252			1 239 550			114 520			932 695			192 335			5 101
Crushed stone	Mine production in reserved deposits, ths m3 (decrease of mineral reserves by mine production)	11 420			2 383 849			1 089 703			1 149 727			144 419			704 187
	Mine production in reserved deposits, ths tonnes (1m3 = 2.7 tonnes) (decrease of mineral reserves by mine production)	30 834			6 436 392			2 942 198			3 104 263			389 931			1 901 305
	Mine production in non-reserved deposits, ths m3 (estimate)	970			1 022 363			42 452			896 645			83 549			45 084
	production in non-reserved deposits, ths tonnes (1m3 = 2.7 tonnes) (estimate)	2 620			2 761 144			114 620			2 420 942			225 582			121 727
Dimension stone	Mine production in reserved deposits, ths m3 (decrease of mineral reserves by mine production)	140			181 396			77 414			64 393			39 589			79 985
	Mine production in reserved deposits, ths tonnes (1m3 = 2.7 tonnes) (decrease of mineral reserves by mine production)	378			489 769			209 018			173 861			106 890			215 960
	Mine production in non-reserved deposits, ths m3 (estimate)	31			33 362			2 257			28 146			2 956			1 582
	Mine production in non-reserved deposits, ths tonnes (1m3 = 2.7 tonnes) (estimate)	84			90 077			6 094			75 994			7 981			4 271
Sand and gravel	Mine production in reserved deposits, ths m^3 (decrease of mineral reserves by mine production)	5 346			2 138 208			1 102 371			813 918			221 919			381 649
	Mine production in reserved deposits, ths tonnes (1m^3 = 1.8 tonnes) (decrease of mineral reserves by mine production)	9 623			3 848 774			1 984 268			1 465 052			399 454			686 968
	Mine production in non-reserved deposits, ths m3 (estimate)	4 300			2 138 208			106 863			1 760 824			239 889			50 695
	Mine production in non-reserved deposits, ths tonnes (1m3 = 1.8 tonnes) (estimate)	7 740			3 848 774			192 353			3 169 483			431 800			91 251
Metallic ores (not mined in the Czech Republic)																		
Copper	ths tonnes Cu	0	Celkem	Total	49	Bilanční prozkoumané	Economic explored	0	Bilanční vyhledané	Economic prospected	0	Nebilanční	Potentially economic	49			
Gold	tonnes Au	0			239			239			49			162			
Lead	ths tonnes Pb	0			152			0			0			152			
Lithium	tonnes Li	0			112 775			0			0			112 775			
Manganese	ths tonnes ore	0			138 801			0			0			138 801			
Silver	tonnes Ag	0			532			0			0			532			
Tin	ths tonnes Sn	0			164			0			0			164			
Tungsten	ths tonnes W	0			70			0			0			70			
Zinc	ths tonnes Zn	0			472			0			0			472			

Notes:

Bituminous coal	The calorific value of 40 % mined bituminous coal Qir is between 26 – 29 MJ/kg and ash content Ad between 9 – 15 %. Additional 32 % of mined coal has the calorific value Qir between 22 – 26 MJ/kg and ash content Ad between 22 – 35 % and 27 % of mined coal has the calorific value Qir between 17 - 21 MJ/kg and ash content Ad 35 – 45 %.
Brown coal	7 % of the mined brown coal has calorific value Qir 19 MJ/kg, ash content Ad 12 % and sulfur content Sd 1.6 %. 41 % of the mined coal has calorific value Qir between 12 – 15 MJ/kg, ash content Ad between 20 – 29 % and sulfur content Sd 1 – 1.7 %. Almost 52 % of the mined brown coal has calorific value Qir 10 – 13 MJ/kg, ash content Ad 22 – 41 % and sulfur content Sd 1 – 3 %.
Lignite	Lignite was not mined in the CR in 2013.
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.