

Mineral Production of Thailand 2002 - 2006

Quantity : Tonnes

Value : Million Baht

Mineral	2002		2003		2004		2005		2006	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Mineral Fuels and Energy										
Lignite	19,601,984	9,801.0	18,843,395	9,421.7	20,059,845	10,029.9	20,878,176	10,439.1	19,070,608	9,535.3
Total		9,801.0		9,421.7		10,029.9		10,439.1		9,535.3
%		33.05		31.73		29.45		29.53		24.15
Iron and Ferro Alloy										
Iron ore	570,110	228.0	9,675	3.9	135,580	54.2	230,946	92.4	264,289	105.7
Manganese (metallurgical grade)	-	-	-	-	4,550	4.6	88,500	89.6	1,000	1.0
Tungsten										
- Scheelite	46	4.6	82	8.1	152	15.2	97	9.7	119	11.9
- Wolfram	7	0.6	308	30.6	185	18.4	525	52.1	427	42.5
Total		233.2		42.6		92.4		243.8		161.1
%		0.79		0.14		0.27		0.69		0.41
Base Metals										
Antimony ore	3	0.1	83	1.3	110	1.7	754	11.5	2,980	45.3
Lead ore	6,500	40.5	-	-	-	-	-	-	-	-
Tin concentrates	1,384	175.7	980	142.4	724	176.2	188	40.1	225	54.5
Zinc ore	151,876	946.5	148,297	964.9	199,477	1,649.8	203,810	2,246.3	214,023	5,550.1
Total		1,162.8		1,108.6		1,827.7		2,297.9		5,649.9
%		3.92		3.73		5.37		6.50		14.31

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Precious Metals and Precious Stone										
Gem stone (unit : gram)	319,450	n.a.	143,128	n.a.	182,270	n.a.	139,766	n.a.	16,112	n.a.
Gold ore (unit : gram)	4,949,637	2,116.0	4,442,472	2,154.1	4,509,610	2,371.6	4,393,058	2,551.9	3,470,000	2,546.0
Silver ore (unit : gram)	18,018,000	111.0	12,872,000	80.1	10,709,000	89.4	14,013,000	132.0	11,240,000	152.5
Total		2,227.0		2,234.2		2,461.0		2,683.9		2,698.5
%		7.51		7.53		7.22		7.59		6.83
Light Metals and Rare Earth										
Columbite-tantalite	9	7.5	-	-	-	-	-	-	-	-
Total		7.5		-		-		-		-
%		0.02		-		-		-		-
Cement Industrial Minerals										
Anhydrite	290,885	138.1	448,071	209.9	531,660	254.9	537,781	269.3	560,339	284.1
Gypsum (unground)	6,325,591	2,997.2	7,291,167	3,432.1	7,619,205	3,698.6	7,113,073	3,700.4	8,354,981	4,208.6
Limestone	54,213,950	4,608.2	46,868,457	3,983.8	63,195,561	5,371.6	55,583,777	4,724.6	61,583,302	5,234.6
Marl	83,135	7.1	80,405	6.8	184,750	15.7	196,500	16.7	68,700	5.8
Shale	5,016,774	451.5	2,981,504	268.3	3,621,631	326.0	3,695,000	332.6	5,589,794	503.1
Total		8,202.1		7,900.9		9,666.8		9,043.6		10,236.2
%		27.66		26.61		28.38		25.58		25.93

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Ceramic Industrial Minerals										
Ball clay	450,818	247.9	579,404	318.7	610,193	335.6	393,935	216.7	1,003,267	551.8
Dolomite	933,209	343.5	865,708	302.7	992,907	347.5	795,466	278.4	899,512	314.8
Feldspar										
- Potassium (ground)	2,093	5.0	-	-	-	-	-	-	-	-
- Potassium (unground)	45,829	77.9	6,368	10.8	9,842	16.7	5,208	8.8	4,367	7.4
- Sodium (ground)	10,668	14.9	9,600	13.4	11,040	15.5	10,560	14.7	7,702	10.8
- Sodium (unground)	725,143	507.6	809,022	566.3	980,171	686.1	1,133,949	793.8	1,055,615	738.9
Glass sand	781,014	273.4	1,293,929	452.9	587,655	205.7	718,320	251.4	861,847	301.7
Kaolin										
- Unwashed	167,313	64.4	373,608	143.8	429,854	165.5	580,376	223.4	675,886	260.2
- Washed	116,530	111.9	173,142	166.2	185,745	178.3	156,853	150.6	157,900	151.6
Quartz										
- Ground	1,728	1.3	3,840	2.9	4,416	3.3	2,304	1.7	2,697	2.0
- Unground	3,810	2.9	2,740	2.1	14,800	11.1	300	0.2	200	0.2
Total		1,648.7		1,979.7		1,965.3		1,939.7		2,339.4
%		5.56		6.67		5.77		5.49		5.93

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<u>Dimension Stone</u>										
Gneiss	-	-	105	0.4	-	-	-	-	270	1.1
Granite	7,597*	34.2	9,866*	44.4	11,069*	51.6	11,356*	53.4	8,321*	41.6
Limestone	560	1.1	727	1.5	529	1.1	960	1.9	201	0.4
Marble	19,862*	69.5	24,038*	84.1	19,111*	67.8	26,805*	95.7	14,943*	53.8
Sand stone	-	-	-	-	200	0.1	1,600	1.1	928	0.6
Travertine	-	-	1,650	3.3	3,790	7.6	2,603	5.2	3,316	6.6
Total		104.8		133.7		128.2		157.3		104.1
%		0.35		0.45		0.38		0.44		0.26
<u>Industrial Rock</u>										
Andesite	1,050,664	105.1	922,679	92.3	1,191,624	119.2	1,315,911	131.6	1,498,791	149.9
Basalt	8,807,732	880.8	8,766,006	876.6	9,002,739	900.3	10,031,734	1,003.2	9,701,543	970.2
Granite	3,369,504	337.0	3,107,008	310.7	4,155,194	415.5	4,495,933	449.6	4,462,553	446.3
Graywacke	-	-	17,208	1.2	239,190	16.7	378,750	26.5	551,459	38.6
Limestone	53,960,070	3,777.2	64,858,409	4,540.1	73,277,274	5,129.4	82,739,582	5,791.8	83,299,232	5,831.0
Marble (fragment)	441,410*	99.3	315,128*	70.9	217,532*	49.0	240,992*	54.2	532,639*	119.8
Perlite	7,600	5.4	5,700	4.0	26,400	18.6	14,500	10.2	22,000	15.5
Quartz	27,416	1.9	58,979	4.1	-	-	-	-	-	-
Rhyolite	335,845	23.5	282,835	19.8	569,599	39.9	830,455	58.1	705,630	49.4
Sand stone	127,783	6.4	159,270	8.0	174,889	8.7	131,672	6.6	120,749	6.0
Total		5,236.6		5,927.7		6,697.3		7,531.8		7,626.7
%		17.66		19.97		19.66		21.30		19.32

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Other Industrial Minerals										
Barite										
- Chemical grade (ground)	6,400	41.6	5,320	35.0	5,063	36.1	3,985	25.7	4,549	29.5
- Drilling mud (ground)	16,315	64.1	-	-	-	-	-	-	-	-
- Unground	114,754	170.8	110,280	163.8	206,215	306.2	4	0.0**	-	-
Bentonite	1,700	1.0	1,100	0.7	1,350	0.8	32,500	19.5	1,200	0.7
Calcite	172,760	34.0	232,025	45.7	436,628	86.0	692,850	136.5	625,950	123.3
Diatomite	780	0.7	1,288	1.2	1,372	1.2	990	0.9	1,344	1.2
Fluorite (metallurgical grade)	2,270	9.0	2,360	9.6	2,375	9.7	295	1.2	3,240	13.2
Kaolin (filler)	13,652	25.9	12,370	23.5	14,936	28.4	9,031	17.2	9,326	17.7
Limestone	2,266,318	192.6	2,114,919	179.8	1,892,212	160.8	2,479,869	210.7	4,588,162	390.0
Phosphate	3,680	1.5	13,870	5.8	2,580	1.1	3,020	1.3	900	0.4
Pyrophyllite	103,496	36.2	73,556	25.7	108,691	38.0	177,684	62.2	131,843	46.1
Rock salt	908,968	454.5	892,243	446.1	1,031,200	515.6	1,074,214	537.1	1,008,251	504.1
Talc (unground)	1,702	1.0	8,501	5.1	12,592	7.6	10,270	6.2	4,374	2.6
Total		1,032.9		942.0		1,191.5		1,018.5		1,128.8
%		3.48		3.17		3.50		2.88		2.86
Grand Total		29,656.5		29,691.1		34,060.1		35,355.6		39,480.0

:- n.a. = not available :- * = Cubic Meter :- 0.0** = denoting the amount of less than 0.05 million baht