

## Mineral Import of Thailand 2008- 2009

Quantity : Tonnes  
Value : Million Baht

Mineral	2008		2009		Percentage	
	Quantity	Value			Quantity	Value
<b>Mineral Fuels and Energy</b>						
Anthracite	242,197	1,280.4	677,522	2,209.5	179.74%	72.56%
Bituminous coal	7,299,492	17,465.6	7,066,802	16,445.4	-3.19%	-5.84%
Coke	52,593	1,040.3	117,544	1,224.2	123.50%	17.68%
Lignite	6	0.1	23	0.5	290.00%	400.00%
Peat	4,874	45.0	6,237	51.6	27.96%	14.67%
Other coal	8,379,841	16,624.7	36,748,884	17,003.1	338.54%	2.28%
Total		36,456.1		36,934.3		1.31%
%		64.19		67.65		5.40%
<b>Iron and Ferro Alloy</b>						
Chromite ore	2,235	35.9	1,140	14.8	-48.99%	-58.77%
Cobalt ore	-	-	0*	0.1	-	-
Columbite	25	21.9	423	95.8	1592.00%	337.44%
Iron ore	10,216	69.5	20,113,121	509.9	196778.63%	633.67%
Iron Pyrites	243	4.5	189	3.4	-22.22%	-24.44%
Manganese ore	694	9.5	50	1.6	-92.80%	-83.16%
Molybdenite ore	1,427	277.1	4,771	500.4	234.38%	80.58%
Nickel ore	400	2.3	1	0.1	-99.75%	-95.65%
Tungsten (Wolfram)	-	-	8	0.7	-	-
Total		420.7		1,126.8		167.84%
%		0.74		2.06		178.65%
<b>Base Metals</b>						
Aluminium ore	51,779	480.4	31,519	297.1	-39.13%	-38.16%
Antimony ore	1,218	22.0	1,496	23.8	22.82%	8.18%
Copper	16	0.2	25	0.6	56.25%	200.00%
Lead ore	26	0.4	0.2	0.0**	-99.23%	-
Tin ore	18,771	5,865.6	17,985	4,272.0	-4.19%	-27.17%
Zinc ore	193,809	3,499.3	148,441	1,845.4	-23.41%	-47.26%
Total		9,867.9		6,438.9		-34.75%
%		16.56		11.80		-28.74%
<b>Precious Metals and Precious Stone</b>						
Emery	4,411	55.1	3,900	47.2	-11.58%	-14.34%
Silver ore	13	0.6	13	0.6	0.00%	0.00%
Total		55.7		47.8		-14.18%
%		0.10		0.09		-10.72%
<b>Light Metals and Rare Earth</b>						
ilmenite ore	21,041	1.4	125	3.1	-99.41%	121.43%
Niobium and Vanadium ore	17,591	346.6	10,773	38.0	-38.76%	-89.04%
Titanium ore						
- Rutile	6,779	94.4	7,331	68.5	8.14%	-27.44%
- Leucoxene	7,371	165.5	4,535	122.9	-38.48%	-25.74%
- Ilmenite	920	8.6	880	8.1	-4.35%	-5.81%
- Other Titanium ore	371	9.4	319	5.8	-14.02%	-38.30%
Tantalite	11,043	91.8	-	-	-100.00%	-100.00%
Zirconium ore	48,724	623.9	18,138	266.8	-62.77%	-57.24%
Total		1,341.6		513.2		-61.75%
%		2.36		0.94		-60.20%
<b>Cement Industrial Minerals</b>						
Anhydrite	0*	0.0**	4	0.0**	-	-
Gypsum	470	7.2	452	8.5	-3.83%	18.06%
Limestone	2,072	2.2	4,045	3.8	95.22%	72.73%
Total		9.4		12.3		30.85%
%		0.02		0.02		36.13%
<b>Ceramic Industrial Minerals</b>						
Andalusite, Kyannite and Sillimanite	2,858	36.0	2,304	33.8	-19.38%	-6.11%
Attapulqite	116	1.2	7	0.6	-93.97%	-50.00%
Ball Clay	28,981	94.3	20,508	64.2	-29.24%	-31.92%
Dolomite	502	6.3	595	8.5	18.52%	34.92%
Feldspar						
- Potassium	32,446	100.9	28,996	89.5	-10.63%	-11.30%
- Sodium	16,592	35.8	7,850	19.0	-52.69%	-46.93%
- Other Feldspar	14,339	49.4	3,590	22.3	-74.96%	-54.86%

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<b>Ceramic Industrial Minerals (continue...)</b>						
Kaolin						
- Ceramic	12,204	149.7	8,410	102.0	-31.09%	-31.86%
- Paper	11,989	105.0	4,534	54.9	-62.18%	-47.71%
- Others	59,004	468.2	68,336	405.7	15.82%	-13.35%
Lucite, Nepheline and Nepheline Syenite	2,786	22.8	1,805	16.8	-35.21%	-26.32%
Mullite	1,466	25.1	902	15.5	-38.47%	-38.25%
Quartz	1,884	8.4	2,595	10.9	37.73%	29.76%
Silica sand	66,685	258.3	31,013	106.2	-53.49%	-58.89%
Total		1,361.4		949.9		-30.23%
%		2.40		1.74		-27.41%
<b>Dimension Stone</b>						
Basalt	20,857	112.4	17,091	98.8	-18.06%	-12.10%
Ecaussine	104	0.9	11	0.1	-89.42%	-
Marble	39,215	301.0	39,806	313.4	1.51%	4.12%
Granite	138,162	538.7	137,656	553.7	-0.37%	2.78%
Travertine	-	-	0.1	0.0**	-	-
Sandstone	939	9.2	738	12.0	-21.41%	30.43%
Slate	179	2.7	-	-	-100.00%	-100.00%
Total		964.9		978.0		1.36%
%		1.65		1.79		8.57%
<b>Industrial Rock</b>						
Flint	1,929	16.2	1,663	13.7	-13.79%	-15.43%
Pumice stone	5,194	50.4	4,213	44.8	-18.89%	-11.11%
Vermiculite, Perlite and Chlorites	1,437	11.2	1,192	9.7	-17.05%	-13.39%
Total		77.8		68.2		-12.34%
%		0.14		0.13		-5.10%
<b>Other Industrial Minerals</b>						
Apatite (Ground)	1,611	14.4	1,815	25.8	12.66%	79.17%
Asbestos	94,278	1,071.6	102,739	1,432.7	8.97%	33.70%
Barite	96,433	391.6	57,452	178.7	-40.42%	-54.37%
Bentonite	54,345	378.4	42,429	272.5	-21.93%	-27.99%
Calcite	1,109	3.5	-	-	-100.00%	-100.00%
Chalk	13	0.6	9	0.7	-30.77%	16.67%
Fireclay	81	1.4	67	1.1	-17.28%	-21.43%
Fluorite	841	11.2	472	10.8	-43.84%	-3.57%
Kieserite	29,768	269.2	8,189	63.2	-72.49%	-76.52%
Mica	4,904	107.2	2,991	80.7	-39.01%	-24.72%
Orpiment	20	0.2	-	-	-100.00%	-100.00%
Phosphate (Ground)	10,530	46.2	11,670	66.6	10.83%	44.16%
Graphite	1,792	66.9	898	48.0	-49.89%	-28.25%
Magnesite	10,538	193.7	2,028	40.2	-80.76%	-79.25%
Steatite	4,705	67.0	2,632	14.1	-44.06%	-78.96%
Potash	-	-	0*	0.0**	-	-
Rock salt	700	10.9	2	0.0**	-99.71%	-
Sulphur	119,862	2,581.6	57,076	196.3	-52.38%	-92.40%
Talc	116,906	1,033.8	100,919	5,089.2	-13.68%	392.28%
Witherite	698	6.4	450	4.1	-35.53%	-35.94%
Total		6,241.4		7,524.7		20.56%
%		10.99		13.78		25.43%
<b>Total</b>		<b>56,796.9</b>		<b>54,594.1</b>		<b>-3.88%</b>

0\* denoting the amount of less than 0.1 metric tonnes

0.0\*\* denoting the amount of less than 0.05 million baht