

Mineral Import of Thailand 2022 - 2023

Source : Department of Primary Industries and Mines, in cooperation with the Customs Department.

Quantity : Tonnes Value : Million Baht

Mineral	2022		2023		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Aluminium ore	20,949	339.8	18,188	260.0	-13.18%	-23.48%
Andalusite, Kyannite and Sillimanite	3,971	79.2	1,348	29.0	-66.05%	-63.38%
Anhydrite	27	0.4	119	1.8	340.74%	350.00%
Anthracite	96,634	1,223.5	129,666	873.0	34.18%	-28.65%
Antimony ore	3,680	513.5	76	14.1	-97.93%	-97.25%
Apatite (ground)	4,042	17.7	2,657	12.1	-34.27%	-31.64%
Asbestos	34,422	709.2	37,051	867.0	7.64%	22.25%
Attapulgit	111	1.0	5	0.2	-95.67%	-80.00%
Ball Clay	16,877	159.9	9,217	94.0	-45.38%	-41.21%
Barite	110,749	230.9	143,181	313.7	29.28%	35.86%
Basalt	7,065	61.0	17,143	40.1	142.63%	-34.26%
Bentonite	140,918	1,049.9	146,794	1,072.8	4.17%	2.18%
Bituminous coal	6,052,971	27,309.1	6,058,718	23,608.1	0.09%	-13.55%
Calcite	-	0.0	0	0.0	-	-
Chalk	33	0.8	38	0.8	15.96%	-1.08%
Chromite ore	1,809	28.5	1,162	17.4	-35.76%	-38.95%
Coal Solid Fuels from Coal	15,107,281	66,067.6	11,716,771	35,922.8	-22.44%	-45.63%
Cobalt ore	0	0.4	0	0.3	0.00%	-25.00%
Coke	21,391	451.2	36,802	442.7	72.04%	-1.88%
Columbite	266	224.2	141	87.2	-47.02%	-61.11%
Copper	3,832	26.3	3,711	17.4	-3.16%	-33.84%
Dolomite	1,798	23.5	424	5.7	-76.43%	-75.74%
Ecaussine	-	-	-	-	-	-
Emery	10,221	119.8	9,675	109.6	-5.35%	-8.51%
Epsomite	397	3.3	42	0.6	-89.42%	-81.82%
Feldspar						
- Potassium Feldspar	21,487	99.0	23,759	89.4	10.57%	-9.70%
- Other Feldspar	21,030	134.5	15,053	106.2	-28.42%	-21.04%
Fireclay	761	11.2	1,421	28.6	86.74%	155.36%
Flint	634,529	119.8	434,665	87.1	-31.50%	-27.30%
Fluorite	5,877	59.9	5,693	49.5	-3.13%	-17.36%
Granite	32,689	194.0	31,545	165.3	-3.50%	-14.79%
Graphite	3,538	135.9	3,234	122.5	-8.60%	-9.86%
Gypsum	425	9.1	164	4.0	-61.42%	-55.94%
ilmenite ore	160	4.7	74	5.5	-53.78%	17.02%
Iron ore	2,965	35.7	8,260	39.5	178.59%	10.64%
Iron Pyrites	5,792	39.9	4,221	28.2	-27.12%	-29.32%
Kaolin						
- Ceramic	43,763	455.7	24,925	315.6	-43.05%	-30.74%
- Paper	10,378	135.7	10,331	116.0	-0.46%	-14.52%
- Others	61,375	949.8	47,961	696.4	-21.86%	-26.68%
Kieserite	5,940	55.1	2,755	12.8	-53.62%	-76.77%
Lead ore	204	36.6	3,733	22.9	1726.06%	-37.43%
Lignite	255,821	294.9	170,154	231.7	-33.49%	-21.43%
Limestone	2,015	27.3	1,210	21.1	-39.97%	-22.71%
Lucite, Nepheline and Nepheline Syenite	694	17.7	652	16.1	-6.08%	-9.04%
Magnesite	2,600	36.3	4,253	48.7	63.54%	34.16%
Manganese ore	20,569	39.1	20,789	47.8	1.07%	22.25%
Marble	33,338	672.7	29,383	487.3	-11.86%	-27.56%
Mica	5,569	174.3	5,166	166.2	-7.25%	-4.65%
Molybdenite ore	6,416	2,609.0	13,027	8,206.7	103.06%	214.55%
Monazite	-	-	0	0.0	-	-
Mullite	2,622	55.1	2,232	44.0	-14.88%	-20.15%
Nickel ore	71	6.2	37	2.2	-47.91%	-64.52%
Niobium and Vanadium ore	32,428	3,127.5	34,572	2,709.8	6.61%	-13.36%
Orpiment	1,130	10.0	1,156	8.8	2.27%	-12.00%
Peat	26,906	260.5	25,002	234.2	-7.08%	-10.10%
Phosphate						
- Ground	9	1.4	11	1.5	27.28%	7.14%
- Unground	2	0.0	0	0.0	-85.29%	-79.88%
Potash	-	-	-	-	-	-
Pumice stone	9,292	73.3	6,583	50.1	-29.15%	-31.65%
Pyrophyllite	3,360	22.7	7,619	33.5	126.75%	47.58%
Quartz	109,729	1,152.3	199,407	2,063.3	81.73%	79.06%
Rock salt	174	3.4	96	2.1	-44.80%	-38.24%
Sandstone	784	10.9	962	16.5	22.60%	51.38%
Serpentine	27	0.2	117	5.3	337.76%	2550.00%
Silica sand	215,748	1,202.7	131,557	1,113.1	-39.02%	-7.45%
Silver ore	10	1.0	10	1.1	-0.04%	10.00%
Slate	224	4.1	211	1.7	-5.99%	-58.54%
Steatite	811	14.8	276	4.8	-65.96%	-67.57%
Sulphur	79,280	1,030.4	39,432	279.7	-50.26%	-72.86%
Talc	134,829	1,731.7	105,566	1,317.4	-21.70%	-23.92%
Tantalite	749	1,615.0	118	226.2	-84.29%	-85.99%
Thorium ore	-	-	-	-	-	-
Tin ore	12,804	8,200.0	11,579	5,169.6	-9.57%	-36.96%
Titanium ore						
- Rutile	2,777	222.0	2,732	202.8	-1.63%	-8.65%
- Leucoxene	1,518	109.5	2,014	143.6	32.67%	31.14%
- Ilmenite	-	0.0	-	-	-	-
- Other Titanium ore	3,738	219.3	3,702	258.2	-0.96%	17.74%
Travertine	-	-	-	0.0	-	-
Tungsten (other)	-	-	17	1.0	-	-
Vermiculite, Perlite and Chlorites	6,103	52.8	3,435	32.9	-43.72%	-37.69%
Witherite	75	2.0	100	2.0	33.33%	-0.23%
Xenotime	25	0.2	-	-	-	-
Zinc ore	16,595	88.3	11,301	56.2	-31.90%	-36.35%
Zirconium ore	5,224	428.2	6,438	491.0	23.24%	14.67%
Total		124,634.1		89,378.1		-28.29%

0* denoting the amount of less than 0.1 metric tonnes

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

Mineral Import of Thailand 2022 - 2023 by Group

Quantity : Tonnes

Source : Department of Primary Industries and Mines, in cooperation with the Customs Department.

Value : Million Baht

Mineral	2022		2023		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Mineral Fuels and Energy						
Anthracite	96,634	1,223.5	129,666	873.0	34.18%	-28.65%
Bituminous coal	6,052,971	27,309.1	6,058,718	23,608.1	0.09%	-13.55%
Coal Solid Fuels from Coal	15,107,281	66,067.6	11,716,771	35,922.8	-22.44%	-45.63%
Coke	21,391	451.2	36,802	442.7	72.04%	-1.88%
Lignite	255,821	294.9	170,154	231.7	-33.49%	-21.43%
Peat	26,906	260.5	25,002	234.2	-7.08%	-10.10%
Total		95,606.8		61,312.5		-35.87%
%		76.71		68.60		-10.57%
Iron and Ferro Alloy						
Chromite ore	1,809	28.5	1,162	17.4	-35.76%	-38.95%
Cobalt ore	0	0.4	0	0.3	0.00%	-25.00%
Columbite	266	224.2	141	87.2	-47.02%	-61.11%
Iron ore	2,965	35.7	8,260	39.5	178.59%	10.64%
Iron Pyrites	5,792	39.9	4,221	28.2	-27.12%	-29.32%
Manganese ore	20,569	39.1	20,789	47.8	1.07%	22.25%
Molybdenite ore	6,416	2,609.0	13,027	8,206.7	103.06%	214.55%
Nickel ore	71	6.2	37	2.2	-47.91%	-64.52%
Tungsten (other)	-	-	17	1.0	-	-
Total		2,983.0		8,430.3		182.61%
%		2.39		9.43		294.09%
Base Metals						
Aluminium ore	20,949	339.8	18,188	260.0	-13.18%	-23.48%
Antimony ore	3,680	513.5	76	14.1	-97.93%	-97.25%
Copper	3,832	26.3	3,711	17.4	-3.16%	-33.84%
Lead ore	204	36.6	3,733	22.9	1726.06%	-37.43%
Tin ore	12,804	8,200.0	11,579	5,169.6	-9.57%	-36.96%
Zinc ore	16,595	88.3	11,301	56.2	-31.90%	-36.35%
Total		9,204.5		5,540.2		-39.81%
%		7.39		6.20		-16.07%
Precious Metals and Precious Stone						
Emery	10,221	119.8	9,675	109.6	-5.35%	-8.51%
Silver ore	10	1.0	10	1.1	-0.04%	10.00%
Total		120.8		110.7		-8.36%
%		0.10		0.12		27.79%
Light Metals and Rare Earth						
ilmenite ore	160	4.7	74	5.5	-53.78%	17.02%
Monazite	-	-	0	0.0	-	-
Niobium and Vanadium ore	32,428	3,127.5	34,572	2,709.8	6.61%	-13.36%
Tantalite	749	1,615.0	118	226.2	-84.29%	-85.99%
Thorium ore	-	-	-	-	-	-
Titanium ore						
- Rutile	2,777	222.0	2,732	202.8	-1.63%	-8.65%
- Leucoxene	1,518	109.5	2,014	143.6	32.67%	31.14%
- Ilmenite	-	0.0	-	-	-	-
- Other Titanium ore	3,738	219.3	3,702	258.2	-0.96%	17.74%
Zirconium ore	5,224	428.2	6,438	491.0	23.24%	14.67%
Total		5,726.2		4,037.1		-29.50%
%		4.59		4.52		-1.69%
Cement Industrial Minerals						
Anhydrite	27	0.4	119	1.8	340.74%	350.00%
Gypsum	425	9.1	164	4.0	-61.42%	-55.94%
Limestone	2,015	27.3	1,210	21.1	-39.97%	-22.71%
Total		36.8		26.9		-26.86%
%		0.03		0.03		1.99%

0* denoting the amount of less than 0.1 metric tonnes

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

Mineral Import of Thailand 2022 - 2023 by Group

Quantity : Tonnes

Source : Department of Primary Industries and Mines, in cooperation with the Customs Department.

Value : Million Baht

Mineral	2022		2023		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Ceramic Industrial Minerals						
Andalusite, Kyannite and Sillimanite	3,971	79.2	1,348	29.0	-66.05%	-63.38%
Attapulgit	111	1.0	5	0.2	-95.67%	-80.00%
Ball Clay	16,877	159.9	9,217	94.0	-45.38%	-41.21%
Dolomite	1,798	23.5	424	5.7	-76.43%	-75.74%
Feldspar						
- Potassium, Sodium Feldspar	21,487	99.0	23,759	89.4	10.57%	-9.70%
- Other Feldspar	21,030	134.5	15,053	106.2	-28.42%	-21.04%
Kaolin						
- Ceramic	43,763	455.7	24,925	315.6	-43.05%	-30.74%
- Paper	10,378	135.7	10,331	116.0	-0.46%	-14.52%
- Others	61,375	949.8	47,961	696.4	-21.86%	-26.68%
Lucite, Nepheline and Nepheline Syenite	694	17.7	652	16.1	-6.08%	-9.04%
Mullite	2,622	55.1	2,232	44.0	-14.88%	-20.15%
Quartz	109,729	1,152.3	199,407	2,063.3	81.73%	79.06%
Silica sand	215,748	1,202.7	131,557	1,113.1	-39.02%	-7.45%
Total		4,466.1		4,689.0		4.99%
%		3.58		5.25		46.41%
Dimension Stone						
Ecaussine	-	-	-	-	-	-
Granite	32,689	194.0	31,545	165.3	-3.50%	-14.79%
Marble	33,338	672.7	29,383	487.3	-11.86%	-27.56%
Sandstone	784	10.9	962	16.5	22.60%	51.38%
Serpentine	27	0.2	117	5.3	337.76%	2550.00%
Slate	224	4.1	211	1.7	-5.99%	-58.54%
Travertine	-	-	-	0	-	-
Total		881.9		676.1		-23.34%
%		0.71		0.76		6.90%
Industrial Rock						
Basalt	7,065	61.0	17,143	40.1	142.63%	-34.26%
Flint	634,529	119.8	434,665	87.1	-31.50%	-27.30%
Pumice stone	9,292	73.3	6,583	50.1	-29.15%	-31.65%
Vermiculite, Perlite and Chlorites	6,103	52.8	3,435	32.9	-43.72%	-37.69%
Total		306.9		210.2		-31.51%
%		0.25		0.24		-4.49%
Other Industrial Minerals						
Apatite (ground)	4,042	17.7	2,657	12.1	-34.27%	-31.64%
Asbestos	34,422	709.2	37,051	867.0	7.64%	22.25%
Barite	110,749	230.9	143,181	313.7	29.28%	35.86%
Bentonite	140,918	1,049.9	146,794	1,072.8	4.17%	2.18%
Calcite	-	0.0	0	0.0	-	-
Chalk	33	0.8	38	0.8	15.96%	-1.08%
Epsomite	397	3.3	42	0.6	-89.42%	-81.82%
Fireclay	761	11.2	1,421	28.6	86.74%	155.36%
Fluorite	5,877	59.9	5,693	49.5	-3.13%	-17.36%
Kieserite	5,940	55.1	2,755	12.8	-53.62%	-76.77%
Graphite	3,538	135.9	3,234	122.5	-8.60%	-9.86%
Magnesite	2,600	36.3	4,253	48.7	63.54%	34.16%
Mica	5,569	174.3	5,166	166.2	-7.25%	-4.65%
Orpiment	1,130	10.0	1,156	8.8	2.27%	-12.00%
Phosphate						
- Ground	9	1.4	11	1.5	27.28%	7.14%
- Unground	2	0.0	0	0.0	-85.29%	-79.88%
Potash	-	-	-	-	-	-
Pyrophyllite	3,360	22.7	7,619	33.5	126.75%	47.58%
Rock salt	174	3.4	96	2.1	-44.80%	-38.24%
Steatite	811	14.8	276	4.8	-65.96%	-67.57%
Sulphur	79,280	1,030.4	39,432	279.7	-50.26%	-72.86%
Talc	134,829	1,731.7	105,566	1,317.4	-21.70%	-23.92%
Witherite	75	2.0	100	2.0	33.33%	-0.23%
Xenotime	25	0.2	-	-	-	-
Total		5,301.1		4,345.1		-18.03%
%		4.25		4.86		14.30%
Total		124,634.1		89,378.1		-28.29%

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Bituminous coal	6,052,971	27,309.1	6,058,718	23,608.1	0.09%	-13.55%
Molybdenite ore	6,416	2,609.0	13,027	8,206.7	103.06%	214.55%
Tin ore	12,804	8,200.0	11,579	5,169.6	-9.57%	-36.96%
Niobium and Vanadium ore	32,428	3,127.5	34,572	2,709.8	6.61%	-13.36%
Quartz	109,729	1,152.3	199,407	2,063.3	81.73%	79.06%
Talc	134,829	1,731.7	105,566	1,317.4	-21.70%	-23.92%
Kaolin						
- Ceramic	43,763	455.7	24,925	315.6	-43.05%	-30.74%
- Paper	10,378	135.7	10,331	116.0	-0.46%	-14.52%
- Others	61,375	949.8	47,961	696.4	-21.86%	-26.68%
Silica sand	215,748	1,202.7	131,557	1,113.1	-39.02%	-7.45%
Bentonite	140,918	1,049.9	146,794	1,072.8	4.17%	2.18%
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Granite	32,689	194.0	31,545	165.3	-3.50%	-14.79%
Graphite	3,538	135.9	3,234	122.5	-8.60%	-9.86%
Emery	10,221	119.8	9,675	109.6	-5.35%	-8.51%
Ball Clay	16,877	159.9	9,217	94.0	-45.38%	-41.21%
Columbite	266	224.2	141	87.2	-47.02%	-61.11%
Flint	634,529	119.8	434,665	87.1	-31.50%	-27.30%
Zinc ore	16,595	88.3	11,301	56.2	-31.90%	-36.35%
Pumice stone	9,292	73.3	6,583	50.1	-29.15%	-31.65%
Fluorite	5,877	59.9	5,693	49.5	-3.13%	-17.36%
Magnesite	2,600	36.3	4,253	48.7	63.54%	34.16%
Manganese ore	20,569	39.1	20,789	47.8	1.07%	22.25%
Mullite	6,222	55.1	2,232	44.0	-14.88%	-20.15%
Basalt	7,065	61.0	17,143	40.1	142.63%	-34.26%
Iron ore	2,965	35.7	8,260	39.5	178.59%	10.64%
Pyrophyllite	3,360	22.7	7,619	33.5	126.75%	47.58%
Vermiculite, Perlite and Chlorites	6,103	52.8	3,435	32.9	-43.72%	-37.69%
Andalusite, Kyannite and Sillimanite	3,971	79.2	1,348	29.0	-66.05%	-63.38%
Fireclay	761	11.2	1,421	28.6	86.74%	155.36%
Iron Pyrites	5,792	39.9	4,221	28.2	-27.12%	-29.32%
Lead ore	204	36.6	3,733	22.9	1726.06%	-37.43%
Limestone	2,015	27.3	1,210	21.1	-39.97%	-22.71%
Chromite ore	1,809	28.5	1,162	17.4	-35.76%	-38.95%
Copper	3,832	26.3	3,711	17.4	-3.16%	-33.84%
Sandstone	784	10.9	962	16.5	22.60%	51.38%
Lucite, Nepheline and Nepheline Syenite	694	17.7	652	16.1	-6.08%	-9.04%
Antimony ore	3,680	513.5	76	14.1	-97.93%	-97.25%
Kieserite	5,940	55.1	2,755	12.8	-53.62%	-76.77%
Apatite (ground)	4,042	17.7	2,657	12.1	-34.27%	-31.64%
Orpiment	1,130	10.0	1,156	8.8	2.27%	-12.00%
Dolomite	1,798	23.5	424	5.7	-76.43%	-75.74%
ilmenite ore	160	4.7	74	5.5	-53.78%	17.02%
Serpentine	27	0.2	117	5.3	337.76%	2550.00%
Steatite	811	14.8	276	4.8	-65.96%	-67.57%
Gypsum	425	9.1	164	4.0	-61.42%	-55.94%
Nickel ore	71	6.2	37	2.2	-47.91%	-64.52%
Rock salt	174	3.4	96	2.1	-44.80%	-38.24%
Witherite	75	2.0	100	2.0	33.33%	-0.23%
Anhydrite	27	0.4	119	1.8	340.74%	350.00%
Slate	224	4.1	211	1.7	-5.99%	-58.54%
Phosphate						
- Ground	9	1.4	11	1.5	27.28%	7.14%
- Unground	2	0.0	0	0.0	-85.29%	-79.88%
Silver ore	10	1.0	10	1.1	-0.04%	10.00%
Tungsten (other)	-	-	17	1.0	-	-
Chalk	33	0.8	38	0.8	15.96%	-1.08%
Epsomite	397	3.3	42	0.6	-89.42%	-81.82%
Cobalt ore	0	0.4	0	0.3	0.00%	-25.00%
Attapulgit	111	1.0	5	0.2	-95.67%	-80.00%
Calcite	-	0.0	0	0.0	-	-
Monazite	-	-	0	0.0	-	-
Travertine	-	-	-	0.0	-	-
Ecaussine	-	-	-	-	-	-
Potash	-	-	-	-	-	-
Thorium ore	-	-	-	-	-	-
Xenotime	25	0.2	-	-	-	-
Total		124,634.1		89,378.1		-28.29%

0* denoting the amount of less than 0.1 metric tonnes

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