

Mineral Import of Thailand (Fiscal) 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	24,863	389.5	13,729	202.7	-44.78%	-47.95%
Andalusite, Kyannite and Sillimanite	3,095	59.4	2,313	48.5	-25.27%	-18.35%
Anhydrite	2	0.0	126	1.9	6200.00%	10068.62%
Anthracite	78,637	944.1	124,598	940.4	58.45%	-0.39%
Antimony ore	2,859	328.5	1,893	301.4	-33.77%	-8.24%
Apatite (ground)	4,042	17.7	532	3.1	-86.85%	-82.60%
Asbestos	30,017	538.9	40,165	953.3	33.81%	76.88%
Attapulgitite	580	9.1	8	0.3	-98.63%	-96.46%
Ball Clay	19,430	160.8	9,411	98.5	-51.56%	-38.76%
Barite	107,594	220.8	132,042	274.2	22.72%	24.15%
Basalt	7,670	56.2	11,982	46.7	56.21%	-16.91%
Bentonite	142,452	1,002.1	144,728	1,121.0	1.60%	11.86%
Bituminous coal	5,998,817	22,483.6	6,230,268	28,943.3	3.86%	28.73%
Calcite	0	0.0	0	0.0	0.00%	-41.53%
Chalk	32	0.7	35	0.9	9.49%	23.64%
Chromite ore	1,615	24.2	1,421	21.3	-12.03%	-11.64%
Coal Solid Fuels from Coal	14,882,216	59,497.9	12,841,790	46,923.3	-13.71%	-21.13%
Cobalt ore	-	-	1	0.7	-	-
Coke	19,537	421.1	36,020	484.9	84.37%	15.15%
Columbite	266	219.8	166	107.3	-37.55%	-51.18%
Copper	3,778	18.8	5,010	29.8	32.61%	58.79%
Dolomite	1,928	26.8	398	5.9	-79.36%	-77.86%
Ecaussine	-	-	-	-	-	-
Emery	7,842	92.6	11,958	135.7	52.48%	46.45%
Epsomite	355	2.4	84	1.6	-76.34%	-32.22%
Feldspar	-	-	-	-	-	-
- Potassium, Sodium Feldspar	21,096	96.3	26,180	103.2	24.10%	7.16%
- Other Feldspar	19,093	118.6	17,405	132.1	-8.84%	11.31%
Fireclay	765	10.9	1,315	25.8	71.83%	136.26%
Flint	676,018	126.4	503,294	97.5	-25.55%	-22.85%
Fluorite	6,675	66.7	5,231	47.1	-21.63%	-29.46%
Granite	33,321	204.0	28,302	149.9	-15.06%	-26.51%
Graphite	2,995	121.2	3,839	139.4	28.18%	15.02%
Gypsum	513	10.3	160	4.2	-68.83%	-59.38%
ilmenite ore	52	3.5	160	5.0	205.96%	41.38%
Iron ore	3,371	35.3	8,423	43.3	149.89%	22.69%
Iron Pyrites	5,180	36.2	4,873	32.1	-5.94%	-11.37%
Kaolin	-	-	-	-	-	-
- Ceramic	42,267	443.6	27,630	322.4	-34.63%	-27.32%
- Paper	9,119	111.0	10,816	125.6	18.61%	13.15%
- Others	62,352	877.1	49,365	812.9	-20.83%	-7.32%
Kieserite	6,122	55.9	2,195	9.5	-64.15%	-82.98%
Lead ore	203	53.4	2,062	20.7	915.69%	-61.19%
Lignite	235,140	244.1	200,645	278.0	-14.67%	13.88%
Limestone	2,227	24.9	1,283	25.2	-42.40%	1.10%
Lucite, Nepheline and Nepheline Syenite	641	15.4	604	16.6	-5.73%	7.54%
Magnesite	2,920	41.5	3,662	41.8	25.43%	0.65%
Manganese ore	28,175	53.7	40	1.1	-99.86%	-97.93%
Marble	31,092	641.2	28,741	461.9	-7.56%	-27.97%
Mica	5,827	169.1	4,889	158.8	-16.10%	-6.13%
Molybdenite ore	4,289	1,652.7	11,513	7,180.6	168.43%	334.47%
Mullite	2,743	55.9	2,219	44.5	-19.13%	-20.36%
Nickel ore	70	5.5	39	4.1	-44.25%	-26.21%
Niobium and Vanadium ore	46,105	2,524.3	37,059	3,981.9	-19.62%	57.74%
Orpiment	1,346	11.9	928	7.2	-31.07%	-39.36%
Peat	27,845	262.0	25,489	248.1	-8.46%	-5.31%
Phosphate	-	-	-	-	-	-
- Ground	6	0.9	12	1.8	121.45%	94.12%
- Unground	3	0.1	0	0.0	-85.42%	-68.27%
Potash	-	-	-	-	-	-
Pumice stone	11,361	83.3	6,884	54.2	-39.40%	-34.85%
Pyrophyllite	3,380	22.8	100	0.8	-97.04%	-96.30%
Quartz	101,717	1,054.2	172,803	1,708.8	69.89%	62.10%
Rock salt	209	2.8	139	3.1	-33.67%	8.60%
Sandstone	657	9.1	793	13.4	20.62%	47.37%
Serpentine	27	0.2	77	4.1	187.66%	1681.31%
Silica sand	160,996	1,034.4	187,752	1,282.7	16.62%	24.00%
Silver ore	8	0.8	10	1.1	23.05%	35.95%
Slate	224	4.1	159	1.4	-28.77%	-64.77%
Steatite	949	17.1	273	4.9	-71.27%	-71.34%
Sulphur	104,265	1,285.4	25,743	219.6	-75.31%	-82.92%
Talc	128,568	1,604.9	111,122	1,412.9	-13.57%	-11.96%
Tantalite	779	1,576.6	257	552.1	-66.95%	-64.98%
Thorium ore	-	-	-	-	-	-
Tin ore	13,494	9,570.6	10,849	5,014.8	-19.60%	-47.60%
Titanium ore	-	-	-	-	-	-
- Rutile	2,618	189.9	3,084	244.0	17.80%	28.51%
- Leucosene	1,300	80.3	1,632	119.9	25.54%	49.42%
- Ilmenite	240	12.4	-	-	-	-
- Other Titanium ore	3,520	208.8	3,317	228.8	-5.77%	9.60%
Tungsten (other)	-	-	17	1.0	-	-
Vermiculite, Perlite and Chlorites	6,570	57.8	2,977	31.4	-54.69%	-45.69%
Witherite	100	2.5	75	1.5	-25.00%	-39.64%
Xenotime	25	0.2	-	-	-	-
Zinc ore	12,569	66.2	16,336	84.7	29.97%	27.79%
Zirconium ore	4,963	377.5	6,836	538.0	37.73%	42.53%
Total		111,851.1		106,692.2		-4.61%

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 (Fiscal) 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	78,637	944.1	124,598	940.4	58.45%	-0.39%
Bituminous coal	5,998,817	22,483.6	6,230,268	28,943.3	3.86%	28.73%
Coal Solid Fuels from Coal	14,882,216	59,497.9	12,841,790	46,923.3	-13.71%	-21.13%
Coke	19,537	421.1	36,020	484.9	84.37%	15.15%
Lignite	235,140	244.1	200,645	278.0	-14.67%	13.88%
Peat	27,845	262.0	25,489	248.1	-8.46%	-5.31%
Total		83,852.8		77,818.0		-7.20%
%		75.0		72.9		-2.71%
Iron and Ferro Alloy						
Chromite ore	1,615	24.2	1,421	21.3	-12.03%	-11.64%
Cobalt ore	-	-	1	0.7	-	-
Columbite	266	219.8	166	107.3	-37.55%	-51.18%
Iron ore	3,371	35.3	8,423	43.3	149.89%	22.69%
Iron Pyrites	5,180	36.2	4,873	32.1	-5.94%	-11.37%
Manganese ore	28,175	53.7	40	1.1	-99.86%	-97.93%
Molybdenite ore	4,289	1,652.7	11,513	7,180.6	168.43%	334.47%
Nickel ore	70	5.5	39	4.1	-44.25%	-26.21%
Tungsten (other)	-	-	17	1.0	-	-
Total		2,027.4		7,391.5		264.58%
%		1.8		6.9		282.21%
Base Metals						
Aluminium ore	24,863	389.5	13,729	202.7	-44.78%	-47.95%
Antimony ore	2,859	328.5	1,893	301.4	-33.77%	-8.24%
Copper	3,778	18.8	5,010	29.8	32.61%	58.79%
Lead ore	203	53.4	2,062	20.7	915.69%	-61.19%
Tin ore	13,494	9,570.6	10,849	5,014.8	-19.60%	-47.60%
Zinc ore	12,569	66.2	16,336	84.7	29.97%	27.79%
Total		10,427.1		5,654.0		-45.78%
%		9.3		5.3		-43.15%
Precious Metals and Precious Stone						
Emery	7,842	92.6	11,958	135.7	52.48%	46.45%
Silver ore	8	0.8	10	1.1	23.05%	35.95%
Total		93.5		136.8		46.35%
%		0.1		0.1		53.43%
Light Metals and Rare Earth						
ilmenite ore	52	3.5	160	5.0	205.96%	41.38%
Niobium and Vanadium ore	46,105	2,524.3	37,059	3,981.9	-19.62%	57.74%
Tantalite	779	1,576.6	257	552.1	-66.95%	-64.98%
Thorium ore	-	-	-	-	-	-
Titanium ore						
- Rutile	2,618	189.9	3,084	244.0	17.80%	28.51%
- Leucoxene	1,300	80.3	1,632	119.9	25.54%	49.42%
- Ilmenite	240	12.4	-	-	-	-
- Other Titanium ore	3,520	208.8	3,317	228.8	-5.77%	9.60%
Zirconium ore	4,963	377.5	6,836	538.0	37.73%	42.53%
Total		4,973.3		5,669.7		14.00%
%		4.4		5.3		19.52%
Cement Industrial Minerals						
Anhydrite	2	0.0	126	1.9	6200.00%	10068.62%
Gypsum	513	10.3	160	4.2	-68.83%	-59.38%
Limestone	2,227	24.9	1,283	25.2	-42.40%	1.10%
Total		35.2		31.3		-11.23%
%		0.0		0.0		-6.94%

0* denoting the amount of less than 0.1 metric tonnes

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

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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	3,095	59.4	2,313	48.5	-25.27%	-18.35%
Attapulgit	580	9.1	8	0.3	-98.63%	-96.46%
Ball Clay	19,430	160.8	9,411	98.5	-51.56%	-38.76%
Dolomite	1,928	26.8	398	5.9	-79.36%	-77.86%
Feldspar						
- Potassium, Sodium Feldspar	21,096	96.3	26,180	103.2	24.10%	7.16%
- Other Feldspar	19,093	118.6	17,405	132.1	-8.84%	11.31%
Kaolin						
- Ceramic	42,267	443.6	27,630	322.4	-34.63%	-27.32%
- Paper	9,119	111.0	10,816	125.6	18.61%	13.15%
- Others	62,352	877.1	49,365	812.9	-20.83%	-7.32%
Lucite, Nepheline and Nepheline Syenite	641	15.4	604	16.6	-5.73%	7.54%
Mullite	2,743	55.9	2,219	44.5	-19.13%	-20.36%
Quartz	101,717	1,054.2	172,803	1,708.8	69.89%	62.10%
Silica sand	160,996	1,034.4	187,752	1,282.7	16.62%	24.00%
Total		4,062.8		4,702.1		15.73%
%		3.6		4.4		21.33%
Dimension Stone						
Ecaussine	-	-	-	-	-	-
Granite	33,321	204.0	28,302	149.9	-15.06%	-26.51%
Marble	31,092	641.2	28,741	461.9	-7.56%	-27.97%
Sandstone	657	9.1	793	13.4	20.62%	47.37%
Serpentine	27	0.2	77	4.1	187.66%	1681.31%
Slate	224	4.1	159	1.4	-28.77%	-64.77%
Total		858.6		630.7		-26.54%
%		0.8		0.6		-22.99%
Industrial Rock						
Basalt	7,670	56.2	11,982	46.7	56.21%	-16.91%
Flint	676,018	126.4	503,294	97.5	-25.55%	-22.85%
Pumice stone	11,361	83.3	6,884	54.2	-39.40%	-34.85%
Vermiculite, Perlite and Chlorites	6,570	57.8	2,977	31.4	-54.69%	-45.69%
Total		323.7		229.9		-28.99%
%		0.3		0.2		-25.56%
Other Industrial Minerals						
Apatite (ground)	4,042	17.7	532	3.1	-86.85%	-82.60%
Asbestos	30,017	538.9	40,165	953.3	33.81%	76.88%
Barite	107,594	220.8	132,042	274.2	22.72%	24.15%
Bentonite	142,452	1,002.1	144,728	1,121.0	1.60%	11.86%
Calcite	0	0.0	0	0.0	0.00%	-41.53%
Chalk	32	0.7	35	0.9	9.49%	23.64%
Epsomite	355	2.4	84	1.6	-76.34%	-32.22%
Fireclay	765	10.9	1,315	25.8	71.83%	136.26%
Fluorite	6,675	66.7	5,231	47.1	-21.63%	-29.46%
Graphite	2,995	121.2	3,839	139.4	28.18%	15.02%
Kieserite	6,122	55.9	2,195	9.5	-64.15%	-82.98%
Magnesite	2,920	41.5	3,662	41.8	25.43%	0.65%
Mica	5,827	169.1	4,889	158.8	-16.10%	-6.13%
Orpiment	1,346	11.9	928	7.2	-31.07%	-39.36%
Phosphate						
- Ground	6	0.9	12	1.8	121.45%	94.12%
- Unground	3	0.1	0	0.0	-85.42%	-68.27%
Potash	-	-	-	-	-	-
Pyrophyllite	3,380	22.8	100	0.8	-97.04%	-96.30%
Rock salt	209	2.8	139	3.1	-33.67%	8.60%
Steatite	949	17.1	273	4.9	-71.27%	-71.34%
Sulphur	104,265	1,285.4	25,743	219.6	-75.31%	-82.92%
Talc	128,568	1,604.9	111,122	1,412.9	-13.57%	-11.96%
Witherite	100	2.5	75	1.5	-25.00%	-39.64%
Xenotime	25	0.2	-	-	-	-
Total		5,196.7		4,428.1		-14.79%
%		4.6		4.2		-10.67%
Total		111,851.1		106,692.2		-4.61%

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Bituminous coal	5,998,817	22,483.6	6,230,268	28,943.3	3.86%	28.73%
Molybdenite ore	4,289	1,652.7	11,513	7,180.6	168.43%	334.47%
Tin ore	13,494	9,570.6	10,849	5,014.8	-19.60%	-47.60%
Niobium and Vanadium ore	46,105	2,524.3	37,059	3,981.9	-19.62%	57.74%
Quartz	101,717	1,054.2	172,803	1,708.8	69.89%	62.10%
Talc	128,568	1,604.9	111,122	1,412.9	-13.57%	-11.96%
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Ball Clay	19,430	160.8	9,411	98.5	0.52	0.39
Flint	676,018	126.4	503,294	97.5	-25.55%	-22.85%
Zinc ore	12,569	66.2	16,336	84.7	29.97%	27.79%
Pumice stone	11,361	83.3	6,884	54.2	-39.40%	-34.85%
Andalusite, Kyannite and Sillimanite	3,095	59.4	2,313	48.5	-25.27%	-18.35%
Fluorite	6,675	66.7	5,231	47.1	-21.63%	-29.46%
Basalt	7,670	56.2	11,982	46.7	56.21%	-16.91%
Mullite	2,743	55.9	2,219	44.5	-19.13%	-20.36%
Iron ore	3,371	35.3	8,423	43.3	149.89%	22.69%
Magnesite	2,920	41.5	3,662	41.8	25.43%	0.65%
Iron Pyrites	5,180	36.2	4,873	32.1	-5.94%	-11.37%
Vermiculite, Perlite and Chlorites	6,570	57.8	2,977	31.4	-54.69%	-45.69%
Copper	3,778	18.8	5,010	29.8	32.61%	58.79%
Fireclay	765	10.9	1,315	25.8	71.83%	136.26%
Limestone	2,227	24.9	1,283	25.2	-42.40%	1.10%
Chromite ore	1,615	24.2	1,421	21.3	-12.03%	-11.64%
Lead ore	203	53	2,062	20.7	915.69%	-61.19%
Lucite, Nepheline and Nepheline Syenite	641	15.4	604	16.6	-5.73%	7.54%
Sandstone	657	9.1	793	13.4	20.62%	47.37%
Kieserite	6,122	55.9	2,195	9.5	-64.15%	-82.98%
Orpiment	1,346	11.9	928	7.2	-31.07%	-39.36%
Dolomite	1,928	26.8	398	5.9	-79.36%	-77.86%
ilmenite ore	52	3.5	160	5.0	205.96%	41.38%
Steatite	949	17.1	273	4.9	-71.27%	-71.34%
Gypsum	513	10.3	160	4.2	-68.83%	-59.38%
Serpentine	27	0.2	77	4.1	187.66%	1681.31%
Nickel ore	70	5.5	39	4.1	-44.25%	-26.21%
Rock salt	209	2.8	139	3.1	-33.67%	8.60%
Apatite (ground)	4,042	17.7	532	3.1	-86.85%	-82.60%
Anhydrite	2	0.0	126	1.9	6200.0%	10068.6%
Phosphate						
- Ground	6	0.9	12	1.8	121.45%	94.12%
- Unground	3	0.1	0	0.0	-85.42%	-68.27%
Epsomite	355	2.4	84	1.6	-76.34%	-32.22%
Witherite	100	2.5	75	1.5	-25.00%	-39.64%
Slate	224	4.1	159	1.4	-28.77%	-64.77%
Silver ore	8	0.8	10	1.1	23.05%	35.95%
Manganese ore	28,175	53.7	40	1.1	-99.86%	-97.93%
Tungsten (other)	-	-	17	1.0	-	-
Chalk	32	0.7	35	0.9	9.49%	23.64%
Pyrophyllite	3,380	23	100	0.8	-97.04%	-96.30%
Cobalt ore	-	-	1	0.7	-	-
Attapulgitite	580	9.1	8	0.3	-98.63%	-96.46%
Calcite	0	0.0	0	0.0	0.00%	-41.53%
Ecaussine	-	-	-	-	-	-
Potash	-	-	-	-	-	-
Thorium ore	-	-	-	-	-	-
Tungsten (other)	-	-	-	-	-	-
Xenotime	25	0.2	-	-	-	-
Total		111,850.9		106,692.2		-4.61%

0* denoting the amount of less than 0.1 metric tonnes

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