

Mineral Import of Thailand 2020 - 2021

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

Quantity : Tonnes Value : Million Baht

Mineral	2020		2021		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Aluminium ore	14,911	173.2	22,169	298.2	48.68%	72.17%
Andalusite, Kyannite and Sillimanite	2,566	30.3	3,145	39.9	22.56%	31.68%
Anhydrite	1	0.0	2	0.0	100.00%	0.00%
Anthracite	153,844	578.6	108,168	471.6	-29.69%	-18.49%
Antimony ore	1,361	52.8	5,794	634.1	325.59%	1100.95%
Apatite (ground)	3,321	9.8	3,313	9.1	-0.24%	-7.14%
Asbestos	35,072	457.7	32,640	466.5	-6.93%	1.92%
Attapulgite	-	-	500	8.7	-	-
Ball Clay	22,273	126.6	27,083	173.5	21.59%	37.05%
Barite	128,380	221.7	89,981	178.1	-29.91%	-19.67%
Basalt	28,604	119.0	10,678	63.7	-62.67%	-46.47%
Bentonite	122,247	683.7	151,974	944.8	24.32%	38.19%
Bituminous coal	8,201,652	19,369.4	8,655,017	23,808.7	5.53%	22.92%
Calcite	47	0.0	0	0.0	-99.84%	0.00%
Chalk	58	0.9	46	0.8	-22.02%	-11.11%
Chromite ore	1,583	16.3	1,450	15.9	-8.36%	-2.45%
Coal Solid Fuels from Coal	15,378,874	21,537.8	15,029,555	33,744.4	-2.27%	56.68%
Cobalt ore	0	0.2	0	0.4	36.92%	100.00%
Coke	17,307	234.8	14,323	269.2	-17.24%	14.65%
Columbite	216	70.7	25	15.8	-88.42%	-77.65%
Copper	3,403	11.4	8,759	35.3	157.35%	209.65%
Dolomite	1,232	19.5	602	9.5	-51.09%	-51.28%
Ecaussine	-	-	-	-	-	-
Emery	5,733	57.9	7,822	93.7	36.43%	61.83%
Epsomite	77	0.8	63	0.6	-18.22%	-25.00%
Feldspar						
- Potassium, Sodium Feldspar	22,946	86.4	33,060	128.8	44.08%	49.07%
- Other Feldspar	13,330	58.8	15,664	73.5	17.51%	25.00%
Fireclay	836	11.9	1,152	14.8	37.85%	24.37%
Flint	330,123	65.7	495,061	99.8	49.96%	51.90%
Fluorite	9,325	34.5	10,585	71.1	13.52%	106.09%
Granite	64,418	229.9	44,904	222.1	-30.29%	-3.39%
Graphite	6,509	102.2	6,195	149.6	-4.82%	46.38%
Gypsum	288	5.9	296	6.1	2.66%	3.39%
Ilmenite ore	72	3.2	104	4.7	44.68%	46.88%
Iron ore	675	6.1	2,741	20.1	306.11%	229.51%
Iron Pyrites	835	7.0	2,494	16.3	198.62%	132.86%
Kaolin						
- Ceramic	27,496	170.5	39,336	307.2	43.06%	80.18%
- Paper	9,597	89.7	8,629	88.6	-10.09%	-1.23%
- Others	52,514	520.6	65,521	674.4	24.77%	29.54%
Kieserite	3,956	17.8	10,273	55.8	159.69%	213.48%
Lead ore	96	42.7	177	103.5	85.39%	142.39%
Lignite	147,806	132.3	276,410	266.4	87.01%	101.36%
Limestone	1,807	20.4	2,515	31.3	39.23%	53.43%
Lucite, Nepheline and Nepheline Syenite	464	12.5	719	20.8	54.85%	66.40%
Magnesite	1,559	16.7	3,909	55.5	150.70%	232.34%
Manganese ore	73,199	117.8	21,709	40.1	-70.34%	-65.96%
Marble	22,066	319.7	20,099	328.9	-8.91%	2.88%
Mica	5,118	130.1	7,072	180.4	38.17%	38.66%
Molybdenite ore	9,247	1,330.7	6,100	1,727.6	-34.03%	29.83%
Mullite	1,727	27.1	2,847	47.4	64.84%	74.91%
Nickel ore	4	2.0	4	3.7	8.27%	85.00%
Niobium and Vanadium ore	61,478	1,148.9	82,979	2,423.8	34.97%	110.97%
Orpiment	1,023	7.6	1,375	11.3	34.36%	48.68%
Peat	20,748	161.0	27,742	257.5	33.71%	59.94%
Phosphate						
- Ground	-	-	-	-	-	-
- Unground	1	0.8	1	0.0	-35.52%	-95.00%
Potash	-	-	-	-	-	-
Pumice stone	7,167	53.3	12,788	89.6	78.43%	68.11%
Pyrophyllite	120	0.8	200	1.4	66.67%	75.00%
Quartz	19,855	155.2	75,122	637.6	278.35%	310.82%
Rock salt	414	3.1	365	4.6	-11.89%	48.39%
Sandstone	1,882	5.6	650	7.9	-65.46%	41.07%
Serpentine	404	5.1	55	0.7	-86.29%	-86.27%
Silica sand	86,004	340.0	94,258	632.2	9.60%	85.94%
Silver ore	9	0.7	8	0.6	-10.01%	-14.29%
Slate	76	1.0	75	1.2	-0.89%	20.00%
Steatite	756	11.0	1,166	17.6	54.25%	60.00%
Sulphur	118,976	399.8	125,410	940.8	5.41%	135.32%
Talc	119,903	1,219.7	143,640	1,645.9	19.80%	34.94%
Tantalite	550	691.5	843	1,244.9	53.17%	80.03%
Thorium ore	-	-	-	-	-	-
Tin ore	16,136	4,782.2	18,164	9,967.2	12.57%	108.42%
Titanium ore						
- Rutile	4,687	214.6	2,001	113.4	-57.32%	-47.16%
- Leucoxene	401	16.1	1,020	50.6	154.33%	214.29%
- Ilmenite	421	5.0	572	23.6	35.96%	372.00%
- Other Titanium ore	304	13.5	586	32.2	92.48%	138.52%
Tungsten (other)	-	-	-	-	-	-
Vermiculite, Perlite and Chlorites	3,957	44.3	4,281	47.0	8.20%	6.09%
Witherite	50	0.7	75	1.3	50.00%	85.71%
Zinc ore	3,265	12.1	7,673	23.6	135.02%	95.04%
Zirconium ore	8,368	366.6	19,034	567.7	127.47%	54.86%
Total		56,995.5		84,765.3		48.72%

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 2020 - 2021 by Group

Quantity : Tonnes

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

Value : Million Baht

Mineral	2020		2021		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Mineral Fuels and Energy						
Anthracite	153,844	578.6	108,168	471.6	-29.69%	-18.49%
Bituminous coal	8,201,652	19,369.4	8,655,017	23,808.7	5.53%	22.92%
Coal Solid Fuels from Coal	15,378,874	21,537.8	15,029,555	33,744.4	-2.27%	56.68%
Coke	17,307	234.8	14,323	269.2	-17.24%	14.65%
Lignite	147,806	132.3	276,410	266.4	87.01%	101.36%
Peat	20,748	161.0	27,742	257.5	33.71%	59.94%
Total		42,013.9		58,817.8		40.00%
%		73.71		69.39		-5.87%
Iron and Ferro Alloy						
Chromite ore	1,583	16.3	1,450	15.9	-8.36%	-2.45%
Cobalt ore	0	0.2	0	0.4	36.92%	100.00%
Columbite	216	70.7	25	15.8	-88.42%	-77.65%
Iron ore	675	6.1	2,741	20.1	306.11%	229.51%
Iron Pyrites	835	7.0	2,494	16.3	198.62%	132.86%
Manganese ore	73,199	117.8	21,709	40.1	-70.34%	-65.96%
Molybdenite ore	9,247	1,330.7	6,100	1,727.6	-34.03%	29.83%
Nickel ore	4	2.0	4	3.7	8.27%	85.00%
Tungsten (other)	-	-	-	-	-	-
Total		1,550.8		1,839.9		18.64%
%		2.72		2.17		-20.23%
Base Metals						
Aluminium ore	14,911	173.2	22,169	298.2	48.68%	72.17%
Antimony ore	1,361	52.8	5,794	634.1	325.59%	1100.95%
Copper	3,403	11.4	8,759	35.3	157.35%	209.65%
Lead ore	96	42.7	177	103.5	85.39%	142.39%
Tin ore	16,136	4,782.2	18,164	9,967.2	12.57%	108.42%
Zinc ore	3,265	12.1	7,673	23.6	135.02%	95.04%
Total		5,074.4		11,061.9		117.99%
%		8.90		13.05		46.58%
Precious Metals and Precious Stone						
Emery	5,733	57.9	7,822	93.7	36.43%	61.83%
Silver ore	9	0.7	8	0.6	-10.01%	-14.29%
Total		58.6		94.3		60.92%
%		0.10		0.11		8.20%
Light Metals and Rare Earth						
ilmenite ore	72	3.2	104	4.7	44.68%	46.88%
Niobium and Vanadium ore	61,478	1,148.9	82,979	2,423.8	34.97%	110.97%
Tantalite	550	691.5	843	1,244.9	53.17%	80.03%
Thorium ore	-	-	-	-	-	-
Titanium ore						
- Rutile	4,687	214.6	2,001	113.4	-57.32%	-47.16%
- Leucoxene	401	16.1	1,020	50.6	154.33%	214.29%
- Ilmenite	421	5.0	572	23.6	35.96%	372.00%
- Other Titanium ore	304	13.5	586	32.2	92.48%	138.52%
Zirconium ore	8,368	366.6	19,034	567.7	127.47%	54.86%
Total		2,459.4		4,460.9		81.38%
%		4.32		5.26		21.96%
Cement Industrial Minerals						
Anhydrite	1	0.0	2	0.0	100.00%	0.00%
Gypsum	288	5.9	296	6.1	2.66%	3.39%
Limestone	1,807	20.4	2,515	31.3	39.23%	53.43%
Total		26.3		37.4		42.19%
%		0.05		0.04		-4.39%

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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Value : Million Baht

Mineral	2020		2021		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Ceramic Industrial Minerals						
Andalusite, Kyannite and Sillimanite	2,566	30.3	3,145	39.9	22.56%	31.68%
Attapulgit	-	-	500	8.7	-	-
Ball Clay	22,273	126.6	27,083	173.5	21.59%	37.05%
Dolomite	1,232	19.5	602	9.5	-51.09%	-51.28%
Feldspar						
- Potassium, Sodium Feldspar	22,946	86.4	33,060	128.8	44.08%	49.07%
- Other Feldspar	13,330	58.8	15,664	73.5	17.51%	25.00%
Kaolin						
- Ceramic	27,496	170.5	39,336	307.2	43.06%	80.18%
- Paper	9,597	89.7	8,629	88.6	-10.09%	-1.23%
- Others	52,514	520.6	65,521	674.4	24.77%	29.54%
Lucite, Nepheline and Nepheline Syenite	464	12.5	719	20.8	54.85%	66.40%
Mullite	1,727	27.1	2,847	47.4	64.84%	74.91%
Quartz	19,855	155.2	75,122	637.6	278.35%	310.82%
Silica sand	86,004	340.0	94,258	632.2	9.60%	85.94%
Total		1,637.2		2,842.1		73.60%
%		2.87		3.35		16.72%
Dimension Stone						
Ecaussine	-	-	-	-	-	-
Granite	64,418	229.9	44,904	222.1	-30.29%	-3.39%
Marble	22,066	319.7	20,099	328.9	-8.91%	2.88%
Sandstone	1,882	5.6	650	7.9	-65.46%	41.07%
Serpentine	404	5.1	55	0.7	-86.29%	-86.27%
Slate	76	1.0	75	1.2	-0.89%	20.00%
Total		561.3		560.8		-0.09%
%		0.98		0.66		-32.82%
Industrial Rock						
Basalt	28,604	119.0	10,678	63.7	-62.67%	-46.47%
Flint	330,123	65.7	495,061	99.8	49.96%	51.90%
Pumice stone	7,167	53.3	12,788	89.6	78.43%	68.11%
Vermiculite, Perlite and Chlorites	3,957	44.3	4,281	47.0	8.20%	6.09%
Total		282.3		300.1		6.31%
%		0.50		0.35		-28.52%
Other Industrial Minerals						
Apatite (ground)	3,321	9.8	3,313	9.1	-0.24%	-7.14%
Asbestos	35,072	457.7	32,640	466.5	-6.93%	1.92%
Barite	128,380	221.7	89,981	178.1	-29.91%	-19.67%
Bentonite	122,247	683.7	151,974	944.8	24.32%	38.19%
Calcite	47	0.0	0	0.0	-99.84%	0.00%
Chalk	58	0.9	46	0.8	-22.02%	-11.11%
Epsomite	77	0.8	63	0.6	-18.22%	-25.00%
Fireclay	836	11.9	1,152	14.8	37.85%	24.37%
Fluorite	9,325	34.5	10,585	71.1	13.52%	106.09%
Kieserite	3,956	17.8	10,273	55.8	159.69%	213.48%
Graphite	6,509	102.2	6,195	149.6	-4.82%	46.38%
Magnesite	1,559	16.7	3,909	55.5	150.70%	232.34%
Mica	5,118	130.1	7,072	180.4	38.17%	38.66%
Orpiment	1,023	7.6	1,375	11.3	34.36%	48.68%
Phosphate						
- Ground	-	-	-	-	-	-
- Unground	1	0.8	1	0.0	-35.52%	-95.00%
Potash	-	-	-	-	-	-
Pyrophyllite	120	0.8	200	1.4	66.67%	75.00%
Rock salt	414	3.1	365	4.6	-	-
Steatite	756	11.0	1,166	17.6	54.25%	60.00%
Sulphur	118,976	399.8	125,410	940.8	5.41%	135.32%
Talc	119,903	1,219.7	143,640	1,645.9	19.80%	34.94%
Witherite	50	0.7	75	1.3	50.00%	85.71%
Total		3,331.3		4,750.1		42.59%
%		5.84		5.60		-4.13%
Total		56,995.5		84,765.3		48.72%

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Mineral	2020		2021		Percentage	
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Coal Solid Fuels from Coal	15,378,874	21,537.8	15,029,554.8	33,744.4	-2.27%	56.68%
Bituminous coal	8,201,652	19,369.4	8,655,017.2	23,808.7	5.53%	22.92%
Tin ore	16,136	4,782.2	18,164.5	9,967.2	12.57%	108.42%
Niobium and Vanadium ore	61,478	1,148.9	82,978.7	2,423.8	34.97%	110.98%
Molybdenite ore	9,247	1,330.7	6,100.1	1,727.6	-34.03%	29.83%
Talc	119,903	1,219.7	143,639.7	1,645.9	19.80%	34.95%
Tantalite	550	691.5	843.2	1,244.9	53.17%	80.03%
Kaolin						
- Ceramic	27,496	170.5	39,336.2	307.2	43.06%	80.25%
- Paper	9,597	89.7	8,628.7	88.6	-10.09%	-1.18%
- Others	52,514	520.6	65,520.6	674.4	24.77%	29.55%
Bentonite	122,247	683.7	151,974.5	944.8	24.32%	38.19%
Sulphur	118,976	399.8	125,410.2	940.8	5.41%	135.32%
Quartz	19,855	155.2	75,121.7	637.6	278.35%	310.75%
Antimony ore	1,361	52.8	5,794.3	634.1	325.59%	1101.44%
Silica sand	86,004	340.0	94,258.2	632.2	9.60%	85.92%
Zirconium ore	8,368	366.6	19,034.1	567.7	127.47%	54.84%
Anthracite	153,844	578.6	108,167.9	471.6	-29.69%	-18.50%
Asbestos	35,072	457.7	32,640.1	466.5	-6.93%	1.94%
Marble	22,066	319.7	20,099.2	328.9	-8.91%	2.90%
Aluminium ore	14,911	173.2	22,169.0	298.2	48.68%	72.16%
Coke	17,307	234.8	14,322.9	269.2	-17.24%	14.65%
Lignite	147,806	132.3	276,410.2	266.4	87.01%	101.34%
Peat	20,748	161.0	27,742.4	257.5	33.71%	59.95%
Granite	64,418	229.9	44,904.0	222.1	-30.29%	-3.41%
Titanium ore						
- Rutile	4,687	214.6	2,000.5	113.4	-57.32%	-47.17%
- Leucoxene	401	16.1	1,020.0	50.6	154.33%	213.98%
- Ilmenite	421	5.0	572.4	23.6	35.96%	373.89%
- Other Titanium ore	304	13.5	585.5	32.2	92.48%	139.38%
Feldspar						
- Potassium, Sodium Feldspar	22,946	86.4	33,060.2	128.8	44.08%	49.01%
- Other Feldspar	13,330	58.8	15,664.1	73.5	17.51%	24.94%
Mica	5,118	130.1	7,071.7	180.4	38.17%	38.62%
Barite	128,380	221.7	89,981.0	178.1	-29.91%	-19.68%
Ball Clay	22,273	126.6	27,082.6	173.5	21.59%	36.96%
Graphite	6,509	102.2	6,194.6	149.6	-4.82%	46.31%
Lead ore	96	42.7	177.4	103.5	85.39%	142.51%
Flint	330,123	65.7	495,061.0	99.8	49.96%	51.76%
Emery	5,733	57.9	7,822.3	93.7	36.43%	61.79%
Pumice stone	7,167	53.3	12,788.4	89.6	78.43%	68.16%
Fluorite	9,325	34.5	10,585.1	71.1	13.52%	106.07%
Basalt	28,604	119.0	10,678.3	63.7	-62.67%	-46.46%
Kieserite	3,956	17.8	10,273.4	55.8	159.69%	213.82%
Magnesite	1,559	16.7	3,908.6	55.5	150.70%	232.97%
Mullite	1,727	27.1	2,846.6	47.4	64.84%	74.96%
Vermiculite, Perlite and Chlorites	3,957	44.3	4,281.0	47.0	8.20%	6.24%
Manganese ore	73,199	117.8	21,709.3	40.1	-70.34%	-65.99%
Andalusite, Kyannite and Sillimanite	2,566	30.3	3,144.6	39.9	22.56%	31.71%
Copper	3,403	11.4	8,758.7	35.3	157.35%	208.86%
Limestone	1,807	20.4	2,515.4	31.3	39.23%	53.66%
Zinc ore	3,265	12.1	7,673.3	23.6	135.02%	95.55%
Lucite, Nepheline and Nepheline Syenite	464	12.5	719.0	20.8	54.85%	65.58%
Iron ore	675	6.1	2,741.5	20.1	306.11%	231.60%
Steatite	756	11.0	1,165.9	17.6	54.25%	60.48%
Iron Pyrites	835	7.0	2,493.9	16.3	198.62%	132.49%
Chromite ore	1,583	16.3	1,450.3	15.9	-8.36%	-2.35%
Columbite	216	70.7	25.0	15.8	-88.42%	-77.67%
Fireclay	836	11.9	1,152.2	14.8	37.85%	24.36%
Orpiment	1,023	7.6	1,375.1	11.3	34.36%	48.10%
Dolomite	1,232	19.5	602.5	9.5	-51.09%	-51.10%
Apatite (ground)	3,321	9.8	3,312.7	9.1	-0.24%	-6.95%
Attapulgitite	-	-	499.5	8.7	-	-
Sandstone	1,882	5.6	650.1	7.9	-65.46%	41.43%
Gypsum	288	5.9	296.0	6.1	2.66%	4.06%
ilmenite ore	72	3.2	104.2	4.7	44.68%	44.35%
Rock salt	413.91	3.1	364.7	4.6	-	-
Nickel ore	4	2.0	4.0	3.7	8.27%	86.11%
Pyrophyllite	120.00	0.8	200.0	1.4	66.67%	77.81%
Witherite	50	0.7	75.0	1.3	50.00%	77.47%
Slate	76	1.0	75.1	1.2	-0.89%	24.52%
Chalk	58	0.9	45.6	0.8	-22.02%	-18.71%
Serpentine	404	5.1	55.4	0.7	-86.29%	-85.88%
Epsomite	77	0.8	63.0	0.6	-18.22%	-14.55%
Silver ore	9	0.7	8.0	0.6	-10.01%	-10.38%
Cobalt ore	0	0.2	0.4	0.4	36.92%	77.82%
Phosphate						
- Ground	-	-	-	-	-	-
- Unground	1	0.8	0.6	0.0	-35.52%	-94.73%
Calcite	47	0.0	0.1	0.0	-99.84%	7.51%
Anhydrite	1	0.0	2.0	0.0	100.00%	86.32%
Ecaussine	-	-	-	-	-	-
Potash	-	-	-	-	-	-
Thorium ore	-	-	-	-	-	-
Tungsten (other)	-	-	-	-	-	-
Total		56,995.5		84,765.3		48.72%

0* denoting the amount of less than 0.1 metric tonnes

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