

## Mineral Import of Thailand 2022 - 2023 (Jan. - Mar.)

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	9,861	157.5	3,686	53.8	-62.62%	-65.83%
Andalusite, Kyannite and Sillimanite	710	11.3	844	17.8	18.89%	57.72%
Anhydrite	-	-	27	0.4	-	-
Anthracite	115	3.3	2,642	16.1	2199.18%	388.09%
Antimony ore	1,248	119.4	-	-	-	-
Apatite (ground)	3,502	14.0	0	0.4	-99.99%	-97.41%
Asbestos	6,442	96.0	8,212	192.5	27.49%	100.43%
Attapulgite	1	0.0	3	0.1	267.57%	311.86%
Ball Clay	5,882	42.2	2,109	22.0	-64.15%	-47.93%
Barite	33,070	68.4	37,820	63.5	14.36%	-7.08%
Basalt	2,902	13.7	5,564	14.4	91.72%	5.50%
Bentonite	29,701	193.8	40,899	324.1	37.70%	67.24%
Bituminous coal	1,428,289	4,867.8	1,700,940	7,838.9	19.09%	61.04%
Calcite	-	-	-	-	-	-
Chalk	12	0.4	9	0.2	-26.77%	-35.53%
Chromite ore	504	6.5	225	2.9	-55.35%	-54.67%
Coal Solid Fuels from Coal	2,710,579	8,383.7	3,769,206	14,359.4	39.06%	71.28%
Cobalt ore	-	-	-	-	-	-
Coke	4,960	86.1	9,923	143.4	100.07%	66.57%
Columbite	45	29.2	71	41.1	57.76%	40.60%
Copper	1,036	5.6	1,788	8.3	72.57%	49.71%
Dolomite	122	2.3	33	0.5	-73.00%	-76.70%
Ecaussine	-	-	-	-	-	-
Emery	2,376	29.2	2,925	31.6	23.08%	8.01%
Epsomite	0	0.0	-	-	-	-
Feldspar	-	-	-	-	-	-
- Potassium, Sodium Feldspar	4,249	20.9	6,615	25.5	55.66%	22.08%
- Other Feldspar	5,252	25.6	3,157	39.2	-39.89%	53.39%
Fireclay	253	3.3	272	4.1	7.55%	24.84%
Flint	187,030	32.2	199,060	37.6	6.43%	16.86%
Fluorite	1,770	16.5	1,514	13.0	-14.43%	-21.49%
Granite	6,305	40.9	7,124	37.8	12.98%	-7.69%
Graphite	1,025	31.5	982	35.5	-4.23%	12.86%
Gypsum	201	3.3	68	1.9	-66.01%	-43.40%
ilmenite ore	-	-	52	3.8	-	-
Iron ore	767	8.8	2,060	12.1	168.61%	37.75%
Iron Pyrites	1,720	9.3	609	3.9	-64.58%	-58.40%
Kaolin	-	-	-	-	-	-
- Ceramic	10,890	106.7	6,089	86.0	-44.08%	-19.42%
- Paper	2,040	22.5	2,979	34.9	46.06%	55.09%
- Others	25,389	321.6	13,599	225.2	-46.44%	-29.97%
Kieserite	1,014	8.3	75	0.3	-92.60%	-96.51%
Lead ore	61	15.3	38	5.9	-37.21%	-61.11%
Lignite	80,152	77.5	28,939	33.6	-63.90%	-56.70%
Limestone	621	6.6	190	4.2	-69.36%	-35.52%
Lucite, Nepheline and Nepheline Syenite	93	1.9	276	7.7	195.42%	301.32%
Magnesite	877	12.8	893	10.6	1.83%	-16.73%
Manganese ore	12,208	22.6	10	0.6	-99.92%	-97.29%
Marble	11,392	263.8	7,096	115.8	-37.71%	-56.09%
Mica	1,311	39.9	1,256	38.3	-4.16%	-4.17%
Molybdenite ore	788	35.7	2,959	2,097.9	275.49%	5773.60%
Mullite	622	11.8	550	9.8	-11.63%	-16.90%
Nickel ore	0	0.4	35	0.4	11591.67%	-10.98%
Niobium and Vanadium ore	13,244	452.0	289	377.9	-97.82%	-16.38%
Orpiment	443	4.3	207	1.8	-53.19%	-59.38%
Peat	7,163	66.5	6,393	60.9	-10.75%	-8.45%
Phosphate	-	-	-	-	-	-
- Ground	4	0.7	2	0.2	-60.00%	-65.42%
- Unground	0	0.0	0	0.0	1471.43%	31.35%
Potash	-	-	-	-	-	-
Pumice stone	2,535	20.2	1,801	15.0	-28.95%	-25.72%
Pyrophyllite	40	0.3	20	0.2	-50.00%	-50.19%
Quartz	16,378	189.7	33,517	361.7	104.65%	90.64%
Rock salt	24	0.5	18	0.5	-23.57%	-1.03%
Sandstone	206	2.6	58	3.6	-71.98%	36.65%
Serpentine	-	-	25	1.1	-	-
Silica sand	81,495	359.3	42,316	339.8	-48.08%	-5.43%
Silver ore	4	0.4	2	0.2	-52.00%	-50.90%
Slate	65	1.0	107	0.9	63.00%	-12.51%
Steatite	311	5.7	20	0.4	-93.56%	-93.15%
Sulphur	28,703	317.4	1,039	29.7	-96.38%	-90.64%
Talc	33,183	415.9	26,789	311.7	-19.27%	-25.06%
Tantalite	158	252.5	114	218.9	-28.05%	-13.32%
Thorium ore	-	-	-	-	-	-
Tin ore	3,239	2,620.6	2,895	1,290.0	-10.62%	-50.77%
Titanium ore	-	-	-	-	-	-
- Rutile	357	23.5	1,291	98.1	261.54%	316.82%
- Leucoxene	-	-	430	31.2	-	-
- Ilmenite	-	0.0	-	-	-	-
- Other Titanium ore	1,060	59.5	82	3.4	-92.26%	-94.23%
Tungsten (other)	-	-	-	-	-	-
Vermiculite, Perlite and Chlorites	2,292	19.5	779	8.1	-66.01%	-58.45%
Witherite	-	-	25	0.5	-	-
Zinc ore	3,297	17.0	4,076	23.8	23.64%	39.91%
Zirconium ore	1,218	83.6	1,003	76.7	-17.68%	-8.23%
<b>Total</b>		<b>20,182.9</b>		<b>29,273.5</b>		<b>45.04%</b>

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 (Jan. - Mar.) 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
<b>Mineral Fuels and Energy</b>						
Anthracite	115	3.3	2,642	16.1	2199.18%	388.09%
Bituminous coal	1,428,289	4,867.8	1,700,940	7,838.9	19.09%	61.04%
Coal Solid Fuels from Coal	2,710,579	8,383.7	3,769,206	14,359.4	39.06%	71.28%
Coke	4,960	86.1	9,923	143.4	100.07%	66.57%
Lignite	80,152	77.5	28,939	33.6	-63.90%	-56.70%
Peat	7,163	66.5	6,393	60.9	-10.75%	-8.45%
Total		13,484.9		22,452.3		66.50%
%		66.81		76.70		14.79%
<b>Iron and Ferro Alloy</b>						
Chromite ore	504	6.5	225	2.9	-55.35%	-54.67%
Cobalt ore	-	-	-	-	-	-
Columbite	45	29.2	71	41.1	57.76%	40.60%
Iron ore	767	9	2,060	12	168.61%	37.75%
Iron Pyrites	1,720	9.3	609	3.9	-64.58%	-58.40%
Manganese ore	12,208	22.6	10	0.6	-99.92%	-97.29%
Molybdenite ore	788	35.7	2,959	2,097.9	275.49%	5773.60%
Nickel ore	0.30	0.4	35.08	0.4	11591.67%	-10.98%
Tungsten (other)	-	-	-	-	-	-
Total		112.6		2,158.8		1818.04%
%		0.56		7.37		1222.41%
<b>Base Metals</b>						
Aluminium ore	9,861	157.5	3,686	53.8	-62.62%	-65.83%
Antimony ore	1,248	119.4	-	-	-	-
Copper	1,036	5.6	1,788	8.3	72.57%	49.71%
Lead ore	61	15.3	38	5.9	-37.21%	-61.11%
Tin ore	3,239	2,620.6	2,895	1,290.0	-10.62%	-50.77%
Zinc ore	3,297	17.0	4,076	23.8	23.64%	39.91%
Total		2,935.4		1,381.9		-52.92%
%		14.55		4.72		-67.56%
<b>Precious Metals and Precious Stone</b>						
Emerald	2,376	29.2	2,925	31.6	23.08%	8.01%
Silver ore	4	0.4	1.9	0.2	-52.00%	-50.90%
Total		29.6		31.8		7.22%
%		0.15		0.11		-26.08%
<b>Light Metals and Rare Earth</b>						
Ilmenite ore	-	-	52	3.8	-	-
Niobium and Vanadium ore	13,244	452.0	289	377.9	-97.82%	-16.38%
Tantalite	158	252.5	114	218.9	-28.05%	-13.32%
Thorium ore	-	-	-	-	-	-
Titanium ore						
- Rutile	357	23.5	1,291	98.1	261.54%	316.82%
- Leucocoxene	-	-	430	31.2	-	-
- Ilmenite	-	0.0	-	-	-	-
- Other Titanium ore	1,060	59.5	82	3.4	-92.26%	-94.23%
Zirconium ore	1,218	83.6	1,003	76.7	-17.68%	-8.23%
Total		871.0		810.0		-7.01%
%		4.32		2.77		-35.88%
<b>Cement Industrial Minerals</b>						
Anhydrite	-	-	27	0.4	-	-
Gypsum	201	3.3	68	1.9	-66.01%	-43.40%
Limestone	621	6.6	190	4.2	-69.36%	-35.52%
Total		9.9		6.5		-34.29%
%		0.05		0.02		-54.70%

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 (Jan. - Mar.) 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
<b>Ceramic Industrial Minerals</b>						
Andalusite, Kyannite and Sillimanite	710	11.3	844	17.8	18.89%	57.72%
Attapulgit	1	0.0	3	0.1	267.57%	311.86%
Ball Clay	5,882	42.2	2,109	22.0	-64.15%	-47.93%
Dolomite	122	2.3	33	0.5	-73.00%	-76.70%
Feldspar						
- Potassium, Sodium Feldspar	4,249	20.9	6,615	25.5	55.66%	22.08%
- Other Feldspar	5,252	25.6	3,157	39.2	-39.89%	53.39%
Kaolin						
- Ceramic	10,890	106.7	6,089	86.0	-44.08%	-19.42%
- Paper	2,040	22.5	2,979	34.9	46.06%	55.09%
- Others	25,389	321.6	13,599	225.2	-46.44%	-29.97%
Lucite, Nepheline and Nepheline Syenite	93	1.9	276	7.7	195.42%	301.32%
Mullite	622	11.8	550	9.8	-11.63%	-16.90%
Quartz	16,378	189.7	33,517	361.7	104.65%	90.64%
Silica sand	81,495	359.3	42,316	339.8	-48.08%	-5.43%
Total		1,116.0		1,170.4		4.88%
%		5.53		4.01		-27.51%
<b>Dimension Stone</b>						
Ecaussine	-	-	-	-	-	-
Granite	6,305	40.9	7,123.7	37.8	12.98%	-7.69%
Marble	11,392	263.8	7,096	115.8	-37.71%	-56.09%
Sandstone	206	2.6	58	3.6	-71.98%	36.65%
Serpentine	-	-	25	1	-	-
Slate	65	1.0	107	0.9	63.00%	-12.51%
Total		308.3		159.2		-48.37%
%		1.53		0.54		-64.41%
<b>Industrial Rock</b>						
Basalt	2,902	13.7	5,564	14.4	91.72%	5.50%
Flint	187,030	32.2	199,060	37.6	6.43%	16.86%
Pumice stone	2,535	20.2	1,801	15.0	-28.95%	-25.72%
Vermiculite, Perlite and Chlorites	2,292	19.5	779	8.1	-66.01%	-58.45%
Total		85.6		75.2		-12.15%
%		0.42		0.26		-39.43%
<b>Other Industrial Minerals</b>						
Apatite (ground)	3,502	14.0	0	0.4	-99.99%	-97.41%
Asbestos	6,442	96.0	8,212	192.5	27.49%	100.43%
Barite	33,070	68.4	37,820	63.5	14.36%	-7.08%
Bentonite	29,701	193.8	40,899	324.1	37.70%	67.24%
Calcite	-	-	-	-	-	-
Chalk	12	0.4	9	0.2	-26.77%	-35.53%
Epsomite	0	0.0	-	-	-	-
Fireclay	253	3.3	272	4.1	7.55%	24.84%
Fluorite	1,770	16.5	1,514	13.0	-14.43%	-21.49%
Graphite	1,025	31.5	982	35.5	-4.23%	12.86%
Kieserite	1,014	8.3	75	0.3	-92.60%	-96.51%
Magnesite	877	12.8	893	10.6	1.83%	-16.73%
Mica	1,311	39.9	1,256	38.3	-4.16%	-4.17%
Orpiment	443	4.3	207	1.8	-53.19%	-59.38%
Phosphate						
- Ground	4.0	0.65	1.6	0.2	-60.00%	-65.42%
- Unground	0	0.0	0	0.0	1471.43%	31.35%
Potash	-	-	-	-	-	-
Pyrophyllite	40	0.3	20	0.2	-50.00%	-50.19%
Rock salt	24	0.5	18	0.5	-23.57%	-1.03%
Steatite	311	5.7	20	0.4	-93.56%	-93.15%
Sulphur	28,703	317.4	1,039	29.7	-96.38%	-90.64%
Talc	33,183	415.9	26,789	311.7	-19.27%	-25.06%
Witherite	-	-	25	0.5	-	-
Total		1,229.8		1,027.5		-16.45%
%		6.09		3.51		-42.39%
<b>Total</b>		<b>20,182.9</b>		<b>29,273.5</b>		<b>45.04%</b>

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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Mineral	2022		2023		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Coal Solid Fuels from Coal	2,710,579	8,383.7	3,769,206	14,359.4	39.06%	71.28%
Bituminous coal	1,428,289	4,867.8	1,700,940	7,838.9	19.09%	61.04%
Molybdenite ore	788	35.7	2,959	2,097.9	275.49%	5773.60%
Tin ore	3,239	2,620.6	2,895	1,290.0	-10.62%	-50.77%
Niobium and Vanadium ore	13,244	452.0	289	377.9	-97.82%	-16.38%
Quartz	16,378	189.7	33,517	361.7	104.65%	90.64%
Kaolin						
- Ceramic	10,890	106.7	6,089	86.0	-44.08%	-19.42%
- Paper	2,040	22.5	2,979	34.9	46.06%	55.09%
- Others	25,389	321.6	13,599	225.2	-46.44%	-29.97%
Silica sand	81,495	359.3	42,316	339.8	-48.08%	-5.43%
Bentonite	29,701	193.8	40,899	324.1	37.70%	67.24%
Talc	33,183	415.9	26,789	311.7	-19.27%	-25.06%
Tantalite	158	252.5	114	218.9	-28.05%	-13.32%
Asbestos	6,442	96.0	8,212	192.5	27.49%	100.43%
Coke	4,960	86.1	9,923	143.4	100.07%	66.57%
Titanium ore						
- Rutile	357	23.5	1,291	98.1	261.54%	316.82%
- Leucoxene	-	-	430	31.2	-	-
- Ilmenite	-	0.0	-	-	-	-
- Other Titanium ore	1,060	59.5	82	3.4	-92.26%	-94.23%
Marble	11,392	263.8	7,096	115.8	-37.71%	-56.09%
Zirconium ore	1,218	83.6	1,003	76.7	-17.68%	-8.23%
Feldspar						
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Barite	33,070	68.4	37,820	63.5	14.36%	-7.08%
Peat	7,163	66.5	6,393	60.9	-10.75%	-8.45%
Aluminium ore	9,861	157.5	3,686	53.8	-62.62%	-65.83%
Columbite	45	29.2	71	41.1	57.76%	40.60%
Mica	1,311	39.9	1,256	38.3	-4.16%	-4.17%
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Sulphur	28,703	317.4	1,039	29.7	-96.38%	-90.64%
Zinc ore	3,297	17.0	4,076	23.8	23.64%	39.91%
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Basalt	2,902	13.7	5,564	14.4	91.72%	5.50%
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Mullite	622	11.8	550	9.8	-11.63%	-16.90%
Copper	1,036	5.6	1,788	8.3	72.57%	49.71%
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Lead ore	61	15.3	38	5.9	-37.21%	-61.11%
Limestone	621	6.6	190	4.2	-69.36%	-35.52%
Fireclay	253	3.3	272	4.1	7.55%	24.84%
Iron Pyrites	1,720	9.3	609	3.9	-64.58%	-58.40%
ilmenite ore	-	-	52	3.8	-	-
Sandstone	206	2.6	58	3.6	-71.98%	36.65%
Chromite ore	504	6.5	225	2.9	-55.35%	-54.67%
Gypsum	201	3.3	68	1.9	-66.01%	-43.40%
Orpiment	443	4.3	207	1.8	-53.19%	-59.38%
Serpentine	-	-	25	1.1	-	-
Slate	65	1.0	107	0.9	63.00%	-12.51%
Manganese ore	12,208	22.6	10	0.6	-99.92%	-97.29%
Dolomite	122	2.3	33	0.5	-73.00%	-76.70%
Witherite	-	-	25	0.5	-	-
Rock salt	24	0.5	18	0.5	-23.57%	-1.03%
Steatite	311	5.7	20	0.4	-93.56%	-93.15%
Anhydrite	-	-	27	0.4	-	-
Nickel ore	0	0.4	35	0.4	11591.67%	-10.98%
Apatite (ground)	3,502	14.0	0	0.4	-99.99%	-97.41%
Kieserite	1,014	8.3	75	0.3	-92.60%	-96.51%
Chalk	12	0.4	9	0.2	-26.77%	-35.53%
Phosphate						
- Ground	4	0.7	2	0.2	-60.00%	-65.42%
- Unground	0	0.0	0	0.0	1471.43%	31.35%
Silver ore	4.0	0.40	2	0.2	-52.00%	-50.90%
Pyrophyllite	40	0.3	20	0.2	-50.00%	-50.19%
Attapulqite	1	0.0	3	0.1	267.57%	311.86%
Antimony ore	1,248	119.4	-	-	-	-
Calcite	-	-	-	-	-	-
Cobalt ore	-	-	-	-	-	-
Ecaussine	-	-	-	-	-	-
Epsomite	0	0.0	-	-	-	-
Potash	-	-	-	-	-	-
Thorium ore	-	-	-	-	-	-
Tungsten (other)	-	-	-	-	-	-
<b>Total</b>		<b>20,182.9</b>		<b>29,273.5</b>		<b>45.04%</b>

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

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