

## Mineral Import of Thailand (Fiscal) 2019 - 2020

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

Quantity : Tonnes      Value : Million Baht

Mineral	2019		2020		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Aluminium ore	19,661	246.8	14,503	166.3	-26.23%	-32.60%
Andalusite, Kyannite and Sillimanite	4,124	47.1	3,360	38.7	-18.52%	-17.90%
Anhydrite	0	0.0	0	0.0	-88.24%	-53.19%
Anthracite	169,651	778.0	113,459	452.1	-33.12%	-41.89%
Antimony ore	4,276	68.4	1,083	24.0	-74.68%	-64.92%
Apatite (ground)	545	3.1	2,460	7.5	351.29%	144.60%
Asbestos	38,311	495.9	39,903	511.5	4.15%	3.15%
Attapulgitite	53	1.2	4	0.1	-92.38%	-88.54%
Ball Clay	24,736	162.9	22,856	131.3	-7.60%	-19.41%
Barite	122,235	246.9	122,234	205.0	0.00%	-16.97%
Basalt	166,769	137.4	45,032	126.5	-73.00%	-7.98%
Bentonite	137,243	766.3	134,196	739.9	-2.22%	-3.44%
Bituminous coal	8,299,431	22,532.1	7,900,864	19,266.7	-4.80%	-14.49%
Calcite	-	-	48	0.0	-	-
Chalk	33	0.6	44	0.7	33.41%	13.61%
Chromite ore	1,595	29.4	1,350	15.3	-15.40%	-48.03%
Coal Solid Fuels from Coal	15,057,960	26,462.8	13,611,277	20,051.0	-9.61%	-24.23%
Cobalt ore	0	0.3	0	0.2	14.00%	-28.02%
Coke	18,966	337.6	19,116	277.1	0.79%	-17.90%
Columbite	485	246.4	241	78.9	-50.29%	-67.99%
Copper	142	1.2	1,299	3.8	813.33%	215.25%
Dolomite	1,500	19.1	1,219	20.4	-18.71%	6.49%
Ecaussine	3	3.5	-	-	-	-
Emery	4,569	46.6	6,766	64.4	48.07%	38.20%
Epsomite	87	0.8	96	0.9	10.51%	24.16%
Feldspar	-	-	-	-	-	-
- Potassium	-	-	-	-	-	-
- Sodium	-	-	-	-	-	-
- Other Feldspar	-	-	-	-	-	-
Fireclay	1,304	14.2	789	10.8	-39.47%	-23.69%
Flint	536,943	132.2	386,675	76.0	-27.99%	-42.53%
Fluorite	10,633	37.3	8,886	36.9	-16.44%	-1.12%
Granite	129,750	371.8	81,719	267.2	-37.02%	-28.11%
Graphite	7,486	151.3	6,487	109.4	-13.35%	-27.68%
Gypsum	410	7.6	277	6.1	-32.50%	-19.16%
Ilmenite ore	80	3.1	132	5.7	64.50%	83.00%
Iron ore	-	-	-	-	-	-
Iron Pyrites	779	8.4	1,751	11.5	124.75%	37.63%
Kaolin	-	-	-	-	-	-
- Ceramic	26,047	174.2	29,504	177.4	13.27%	1.88%
- Paper	4,895	49.3	9,496	89.9	94.00%	82.20%
- Others	78,581	679.1	57,588	553.5	-26.72%	-18.49%
Kieserite	2,601	15.3	5,492	27.6	111.15%	79.96%
Lead ore	101	10.7	66	23.3	-34.20%	116.71%
Lignite	321,448	296.8	235,170	210.9	-26.84%	-28.95%
Limestone	1,172	10.9	1,868	19.7	59.40%	80.20%
Lucite, Nepheline and Nepheline Syenite	477	13.6	530	14.1	11.28%	3.96%
Magnesite	2,942	36.1	1,086	13.5	-63.09%	-62.61%
Manganese ore	141,827	215.7	72,765	111.5	-48.69%	-48.32%
Marble	45,805	587.9	29,016	409.2	-36.65%	-30.40%
Mica	6,076	160.7	4,989	120.9	-17.89%	-24.80%
Molybdenite ore	15,135	2,446.6	10,648	1,653.9	-29.65%	-32.40%
Mullite	2,388	41.1	1,399	21.7	-41.44%	-47.30%
Nickel ore	135	3.0	4	1.9	-97.31%	-35.16%
Niobium and Vanadium ore	27,355	1,972.2	40,518	725.6	48.12%	-63.21%
Orpiment	1,275	7.6	873	6.4	-31.56%	-16.00%
Peat	16,246	122.9	21,212	161.4	30.57%	31.36%
Phosphate	-	-	-	-	-	-
- Ground	-	-	-	-	-	-
- Unground	1	0.5	1	0.8	-36.37%	50.88%
Potash	-	0.0	-	-	-	-
Pumice stone	5,545	47.5	6,783	50.6	22.34%	6.61%
Pyrophyllite	80	0.5	80	0.5	0.00%	-3.05%
Quartz	17,766	124.0	19,220	149.2	8.18%	20.33%
Rock salt	539	4.1	690	5.0	27.94%	19.98%
Sandstone	8,243	14.5	1,797	4.7	-78.20%	-67.80%
Serpentine	34,214	107.3	211	2.5	-99.38%	-97.63%
Silica sand	108,101	325.9	117,244	390.4	8.46%	19.82%
Silver ore	37	0.3	6	0.5	-83.80%	42.82%
Slate	52	0.5	129	1.7	148.91%	271.96%
Steatite	907	14.4	819	11.7	-9.77%	-18.65%
Sulphur	66,003	372.4	98,840	330.3	49.75%	-11.31%
Talc	146,948	1,686.5	118,083	1,180.0	-19.64%	-30.03%
Tantalite	625	971.9	312	432.0	-50.11%	-55.55%
Thorium ore	-	-	-	-	-	-
Tin ore	11,355	4,003.0	15,215	4,393.2	33.99%	9.75%
Titanium ore	-	-	-	-	-	-
- Rutile	4,019	168.8	5,236	237.3	30.28%	40.58%
- Leucoxene	5,860	225.1	1,401	57.8	-76.09%	-74.31%
- Ilmenite	900	12.6	1,161	13.6	29.01%	7.74%
- Other Titanium ore	864	43.3	152	6.7	-82.41%	-84.43%
Tungsten (other)	-	-	0	0.0	-	-
Vermiculite, Perlite and Chlorites	4,211	41.2	3,808	42.9	-9.57%	4.15%
Witherite	150	2.6	75	1.1	-50.00%	-58.83%
Zinc ore	2,408	9.5	2,783	8.9	-	-
Zirconium ore	20,795	570.1	7,642	340.2	-63.25%	-40.33%
<b>Total</b>		<b>68,950.6</b>		<b>54,710.1</b>		<b>-20.65%</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	2019		2020		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Coal Solid Fuels from Coal	15,057,960	26,462.8	13,611,277	20,051.0	-9.61%	-24.23%
Bituminous coal	8,299,431	22,532.1	7,900,864	19,266.7	-4.80%	-14.49%
Tin ore	11,355	4,003.0	15,215	4,393.2	33.99%	9.75%
Molybdenite ore	15,135	2,446.6	10,648	1,653.9	-29.65%	-32.40%
Talc	146,948	1,686.5	118,083	1,180.0	-19.64%	-30.03%
Kaolin						
- Ceramic	26,047	174.2	29,504	177.4	13.27%	1.88%
- Paper	4,895	49.3	9,496	89.9	94.00%	82.20%
- Others	78,581	679.1	57,588	553.5	-26.72%	-18.49%
Bentonite	137,243	766.3	134,196	739.9	-2.22%	-3.44%
Niobium and Vanadium ore	27,355	1,972.2	40,518	725.6	48.12%	-63.21%
Asbestos	38,311	495.9	39,903	511.5	4.15%	3.15%
Anthracite	169,651	778.0	113,459	452.1	-33.12%	-41.89%
Tantalite	625	971.9	312	432.0	-50.11%	-55.55%
Marble	45,805	587.9	29,016	409.2	-36.65%	-30.40%
Silica sand	108,101	325.9	117,244	390.4	8.46%	19.82%
Zirconium ore	20,795	570.1	7,642	340.2	-63.25%	-40.33%
Sulphur	66,003	372.4	98,840	330.3	49.75%	-11.31%
Titanium ore						
- Rutile	4,019	168.8	5,236	237.3	30.28%	40.58%
- Leucoxene	5,860	225.1	1,401	57.8	-76.09%	-74.31%
- Ilmenite	900	12.6	1,161	13.6	29.01%	7.74%
- Other Titanium ore	864	43.3	152	6.7	-82.41%	-84.43%
Coke	18,966	337.6	19,116	277.1	0.79%	-17.90%
Granite	129,750	371.8	81,719	267.2	-37.02%	-28.11%
Lignite	321,448	296.8	235,170	210.9	-26.84%	-28.95%
Barite	122,235	246.9	122,234	205.0	0.00%	-16.97%
Aluminium ore	19,661	246.8	14,503	166.3	-26.23%	-32.60%
Peat	16,246	122.9	21,212	161.4	30.57%	31.36%
Quartz	17,766	124.0	19,220	149.2	8.18%	20.33%
Ball Clay	24,736	162.9	22,856	131.3	-7.60%	-19.41%
Basalt	166,769	137.4	45,032	126.5	-73.00%	-7.98%
Mica	6,076	160.7	4,989	120.9	-17.89%	-24.80%
Manganese ore	141,827	215.7	72,765	111.5	-48.69%	-48.32%
Graphite	7,486	151.3	6,487	109.4	-13.35%	-27.68%
Columbite	485	246.4	241	78.9	-50.29%	-67.99%
Flint	536,943	132.2	386,675	76.0	-27.99%	-42.53%
Emery	4,569	46.6	6,766	64.4	48.07%	38.20%
Pumice stone	5,545	47.5	6,783	50.6	22.34%	6.61%
Vermiculite, Perlite and Chlorites	4,211	41.2	3,808	42.9	-9.57%	4.15%
Andalusite, Kyannite and Sillimanite	4,124	47.1	3,360	38.7	-18.52%	-17.90%
Fluorite	10,633	37.3	8,886	36.9	-16.44%	-1.12%
Kieserite	2,601	15.3	5,492	27.6	111.15%	79.96%
Antimony ore	4,276	68.4	1,083	24.0	-74.68%	-64.92%
Lead ore	101	10.7	66	23.3	-34.20%	116.71%
Mullite	2,388	41.1	1,399	21.7	-41.44%	-47.30%
Dolomite	1,500	19.1	1,219	20.4	-18.71%	6.49%
Limestone	1,172	10.9	1,868	19.7	59.40%	80.20%
Chromite ore	1,595	29.4	1,350	15.3	-15.40%	-48.03%
Lucite, Nepheline and Nepheline Syenite	477	13.6	530	14.1	11.28%	3.96%
Magnesite	2,942	36.1	1,086	13.5	-63.09%	-62.61%
Steatite	907	14.4	819	11.7	-9.77%	-18.65%
Iron Pyrites	779	8.4	1,751	11.5	124.75%	37.63%
Fireclay	1,304	14.2	789	10.8	-39.47%	-23.69%
Zinc ore	2,408	9.5	2,783	8.9	15.57%	-6.27%
Apatite (ground)	545	3.1	2,460	7.5	351.29%	144.60%
Orpiment	1,275	7.6	873	6.4	-31.56%	-16.00%
Gypsum	410	7.6	277	6.1	-32.50%	-19.16%
ilmenite ore	80	3.1	132	5.7	64.50%	83.00%
Rock salt	539	4	690	5.0	27.94%	19.98%
Sandstone	8,243	14.5	1,797	4.7	-78.20%	-67.80%
Copper	142	1.2	1,299	3.8	813.33%	215.25%
Serpentine	34,214	107	211	2.5	-99.38%	-97.63%
Nickel ore	135	3.0	4	1.9	-97.31%	-35.16%
Slate	52	0.5	129	1.7	148.91%	271.96%
Witherite	150	2.6	75	1.1	-50.00%	-58.83%
Epsomite	87	1	96	0.9	10.51%	24.16%
Phosphate						
- Ground	-	-	-	-	-	-
- Unground	1	0.5	1	0.8	-36.37%	50.88%
Chalk	33	0.6	44	0.7	33.41%	13.61%
Pyrophyllite	80	0.5	80	0.5	-	-
Silver ore	37	0.3	6	0.5	-83.80%	42.82%
Cobalt ore	0	0.3	0	0.2	14.00%	-28.02%
Attapulgit	53	1.2	4	0.1	-92.38%	-88.54%
Calcite	-	-	48	0.0	-	-
Anhydrite	0	0.0	0	0.0	-88.24%	-53.19%
Tungsten (other)	-	-	0	0.0	-	-
Ecaussine	3	3.5	-	-	-	-
Feldspar						
- Potassium	-	-	-	-	-	-
- Sodium	-	-	-	-	-	-
- Other Feldspar	-	-	-	-	-	-
Iron ore	-	-	-	-	-	-
Potash	-	0	-	-	-	-
Thorium ore	-	-	-	-	-	-
<b>Total</b>		<b>68,950.6</b>		<b>54,710.1</b>		<b>-20.65%</b>

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

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## Mineral Import of Thailand (Fiscal) 2019 - 2020

Quantity : Tonnes

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

Value : Million Baht

Mineral	2019		2020		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
<b>Mineral Fuels and Energy</b>						
Anthracite	169,651	778.0	113,459	452.1	-33.12%	-41.89%
Bituminous coal	8,299,431	22,532.1	7,900,864	19,266.7	-4.80%	-14.49%
Coal Solid Fuels from Coal	15,057,960	26,462.8	13,611,277	20,051.0	-9.61%	-24.23%
Coke	18,966	337.6	19,116	277.1	0.79%	-17.90%
Lignite	321,448	296.8	235,170	210.9	-26.84%	-28.95%
Peat	16,246	122.9	21,212	161.4	30.57%	31.36%
Total		50,530.1		40,419.2		-20.01%
%		73.28		73.88		0.81%
<b>Iron and Ferro Alloy</b>						
Chromite ore	1,595	29.4	1,350	15.3	-15.40%	-48.03%
Cobalt ore	0	0.3	0	0.2	14.00%	-28.02%
Columbite	485	246.4	241	78.9	-50.29%	-67.99%
Iron ore	-	-	-	-	-	-
Iron Pyrites	779	8.4	1,751	11.5	124.75%	37.63%
Manganese ore	141,827	215.7	72,765	111.5	-48.69%	-48.32%
Molybdenite ore	15,135	2,446.6	10,648	1,653.9	-29.65%	-32.40%
Nickel ore	135	3.0	4	1.9	-97.31%	-35.16%
Tungsten (other)	-	-	0	0.0	-	-
Total		2,949.9		1,873.3		-36.50%
%		4.28		3.42		-19.97%
<b>Base Metals</b>						
Aluminium ore	19,661	246.8	14,503	166.3	-26.23%	-32.60%
Antimony ore	4,276	68.4	1,083	24.0	-74.68%	-64.92%
Copper	142	1.2	1,299	3.8	813.33%	215.25%
Lead ore	101	10.7	66	23.3	-34.20%	116.71%
Tin ore	11,355	4,003.0	15,215	4,393.2	33.99%	9.75%
Zinc ore	2,408	9.5	2,783	8.9	15.57%	-6.27%
Total		4,339.7		4,619.5		6.45%
%		6.29		8.44		34.16%
<b>Precious Metals and Precious Stone</b>						
Emery	4,569	46.6	6,766	64.4	48.07%	38.20%
Silver ore	37	0.3	6	0.5	-	-
Total		46.9		64.8		38.23%
%		0.07		0.12		74.21%
<b>Light Metals and Rare Earth</b>						
ilmenite ore	80	3.1	132	5.7	64.50%	83.00%
Niobium and Vanadium ore	27,355	1,972.2	40,518	725.6	48.12%	-63.21%
Tantalite	625	971.9	312	432.0	-50.11%	-55.55%
Thorium ore	-	-	-	-	-	-
Titanium ore						
- Rutile	4,019	168.8	5,236	237.3	30.28%	40.58%
- Leucoxene	5,860	225.1	1,401	57.8	-76.09%	-74.31%
- Ilmenite	900	12.6	1,161	13.6	29.01%	7.74%
- Other Titanium ore	864	43.3	152	6.7	-82.41%	-84.43%
Zirconium ore	20,795	570.1	7,642	340.2	-63.25%	-40.33%
Total		3,967.1		1,819.0		-54.15%
%		5.75		3.32		-42.21%
<b>Cement Industrial Minerals</b>						
Anhydrite	0	0.0	0	0.0	-	-
Gypsum	410	7.6	277	6.1	-32.50%	-19.16%
Limestone	1,172	10.9	1,868	19.7	59.40%	80.20%
Total		18.5		25.8		39.33%
%		0.03		0.05		75.60%

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	Quantity	Value	Quantity	Value	Quantity	Value
<b>Ceramic Industrial Minerals</b>						
Andalusite, Kyannite and Sillimanite	4,124	47.1	3,360	38.7	-18.52%	-17.90%
Attapulgit	53	1.2	4	0.1	-92.38%	-88.54%
Ball Clay	24,736	162.9	22,856	131.3	-7.60%	-19.41%
Dolomite	1,500	19.1	1,219	20.4	-18.71%	6.49%
Feldspar						
- Potassium	-	-	-	-	-	-
- Sodium	-	-	-	-	-	-
- Other Feldspar	-	-	-	-	-	-
Kaolin						
- Ceramic	26,047	174.2	29,504	177.4	13.27%	1.88%
- Paper	4,895	49.3	9,496	89.9	94.00%	82.20%
- Others	78,581	679.1	57,588	553.5	-26.72%	-18.49%
Lucite, Nepheline and Nepheline Syenite	477	13.6	530	14.1	11.28%	3.96%
Mullite	2,388	41.1	1,399	21.7	-41.44%	-47.30%
Quartz	17,766	124.0	19,220	149.2	8.18%	20.33%
Silica sand	108,101	325.9	117,244	390.4	8.46%	19.82%
Total		1,637.5		1,586.8		-3.10%
%		2.37		2.90		22.12%
<b>Dimension Stone</b>						
Ecaussine	3	3.5	-	-	-	-
Granite	129,750	371.76	81,719	267.24	-37.02%	-28.11%
Marble	45,805	587.9	29,016	409.2	-36.65%	-30.40%
Sandstone	8,243	14.5	1,797	4.7	-78.20%	-67.80%
Serpentine	34,214	107.3	211	2.5	-99.38%	-97.63%
Slate	52	0.5	129	1.7	148.91%	271.96%
Total		1,085.5		685.3		-36.86%
%		1.57		1.25		-20.43%
<b>Industrial Rock</b>						
Basalt	166,769	137.4	45,032	126.5	-73.00%	-7.98%
Flint	536,943	132.2	386,675	76.0	-27.99%	-42.53%
Pumice stone	5,545	47.5	6,783	50.6	22.34%	6.61%
Vermiculite, Perlite and Chlorites	4,211	41.2	3,808	42.9	-9.57%	4.15%
Total		358.3		295.9		-17.40%
%		0.52		0.54		4.10%
<b>Other Industrial Minerals</b>						
Apatite (ground)	545	3.1	2,460	7.5	351.29%	144.60%
Asbestos	38,311	495.9	39,903	511.5	4.15%	3.15%
Barite	122,235	246.9	122,234	205.0	0.00%	-16.97%
Bentonite	137,243	766.3	134,196	739.9	-2.22%	-3.44%
Calcite	-	-	48	0.0	-	-
Chalk	33	0.6	44	0.7	33.41%	13.61%
Epsomite	87.25	0.758	96.42	0.941	10.51%	24.16%
Fireclay	1,304	14.2	789	10.8	-39.47%	-23.69%
Fluorite	10,633	37.3	8,886	36.9	-16.44%	-1.12%
Graphite	7,486	151.3	6,487	109.4	-13.35%	-27.68%
Kieserite	2,601	15.3	5,492	27.6	111.15%	79.96%
Magnesite	2,942	36.1	1,086	13.5	-63.09%	-62.61%
Mica	6,076	160.7	4,989	120.9	-17.89%	-24.80%
Orpiment	1,275	7.6	873	6.4	-31.56%	-16.00%
Phosphate						
- Ground	-	-	-	-	-	-
- Unground	1	0.5	1	0.8	-36.37%	50.88%
Potash	-	0	-	-	-	-
Pyrophyllite	80	0.5	80	0.5	0.00%	-3.05%
Rock salt	539	4	690	5	27.94%	19.98%
Steatite	907	14.4	819	11.7	-9.77%	-18.65%
Sulphur	66,003	372.4	98,840	330.3	49.75%	-11.31%
Talc	146,948	1,686.5	118,083	1,180.0	-19.64%	-30.03%
Witherite	150	2.6	75	1.1	-50.00%	-58.83%
Total		4,017.1		3,320.4		-17.34%
%		5.83		6.07		4.17%
<b>Total</b>		<b>68,950.6</b>		<b>54,710.1</b>		<b>-20.65%</b>

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

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