

Mineral Production of Thailand 2015-2016

Quantity : Tonnes
Value : Million Baht

Mineral	2015 ^P (Jan. - Jun.)		2016 ^P (Jan. - Jun.)	
	Quantity	Value	Quantity	Value
Limestone				
- Industrial rock-cement	37,574,059	4,508.9	36,835,226	9,208.8
- Industrial rock-construction	45,428,988	4,770.0	50,402,231	9,072.4
- Industrial rock-others	3,543,378	425.2	3,012,342	753.1
Lignite	7,662,860	7,356.3	8,312,605	7,980.1
Gypsum (unground)	5,880,209	3,534.0	5,229,852	3,472.6
Zinc ore	97,628	1,420.9	165,010	2,187.9
Gold metal (unit : gram)	1,633,790	2,078.1	1,438,655	2,000.7
Basalt (industrial rock)	6,195,649	836.4	7,056,689	1,411.3
Rock salt	624,748	687.2	637,745	1,243.6
Shale (industrial rock-cement)	3,201,433	400.2	4,054,249	1,013.6
Granite				
- Industrial rock	3,591,357	484.8	4,387,891	877.6
- Dimension stone*	2,195	12.5	2,812	16.3
Dolomite	1,208,848	423.1	1,547,629	851.2
Calcite	615,400	121.2	723,974	543.0
Glass sand	516,723	180.9	527,144	521.9
Anhydrite	346,610	208.3	633,966	420.9
Feldspar				
- Sodium (unground)	663,139	464.2	584,633	409.2
- Potassium (unground)	1,920	3.3	2,200	3.7
Cement Clay	2,496,951	224.7	2,726,253	245.4
Ceramic Clay	300,355	165.2	209,946	115.5
Barite				
- Drilling mud (ground)	67,660	263.5	55,649	216.8
- Unground	9,023	13.4	50,060	74.3
- Chemical grade (ground)	2,235	13.1	945	5.5
Marble				
- Fragment*	538,479	175.0	515,297	241.2
- Dimension stone*	5,967	47.4	5,679	23.3
Kaolin				
- Unwashed	313,397	120.7	482,065	185.6
- Washed	48,019	46.1	51,183	49.1
Silver metal (unit : gram)	10,139,623	180.1	10,440,965	186.5
Graywacke (industrial rock-others)	557,119	58.5	496,354	99.3
Andesite (industrial rock)	378,726	51.1	442,691	88.5
Rhyolite (industrial rock)	347,519	36.5	455,421	68.3
Ball clay	80,110	44.1	114,443	62.9
Fluorite (metallurgical grade)	47	0.3	9,000	60.6
Sandstone (industrial rock)	181,939	18.2	194,917	29.2
Quartz				
- Unground	42,900	32.2	30,740	23.1
- Quartzite-industrial rock	50,784	5.3	16,320	3.3
Others		116.9		62.0
Total		29,527.8		43,828.3

Remark : * Quantity : Cubic metre P = Primary

Mineral Export of Thailand 2015-2016

Quantity : Tonnes
Value : Million Baht

Mineral	2015 ^P (Jan. - Jun.)		2016 ^P (Jan. - Jun.)	
	Quantity	Value	Quantity	Value
Gypsum				
- Unground	4,164,172	2,574.6	3,331,260	2,235.1
- Ground	560	2.2	695	2.8
Tin				
- Tin metal	3,564	2,092.5	3,609	2,097.6
- Hard head	-	-	229	75.7
- Final slag	-	-	818	28.1
- Copper dross	-	-	20	6.6
- Tin-lead alloy	3	1.1	2	0.6
Gold metal (unit : gram)	1,633,790	2,078.1	1,438,655	2,000.7
Anhydrite	444,745	271.3	684,300	443.7
Dolomite				
- Unground	670,782	250.2	607,930	258.5
- Ground	-	-	4,640	7.4
Feldspar sodium (ground)	389,255	351.0	280,827	253.0
Silver metal (unit : gram)	10,139,623	180.1	10,440,965	187.4
Zinc				
- Zinc metal	703	50.5	2,223	144.3
- Zinc alloy	-	-	172	10.2
Limestone				
- Industrial rock-construction	208,200	84.6	265,949	144.8
- Industrial rock-others	418	0.9	207	0.9
Barite				
- Chemical grade (ground)	3,525	54.8	15,358	75.8
- Drilling mud (ground)	-	-	22,450	59.1
Zircon	3,713	94.5	4,118	111.4
Fluorite	12,250	65.9	17,692	95.3
Leucosene	1,305	29.5	3,377	81.6
Antimony ore	1,922	94.6	2,193	65.2
Iron ore	7,511	16.1	57,656	61.3
Monazite	840	39.7	1,360	49.8
Ball clay	10,833	47.0	8,546	41.3
Others		301.8		75.2
Total		8,681.0		8,613.4

Values of mineral *Production* in the first half year of 2016 is 43,828.3 million baht, increasing from the same period of 2015 by 14,300.5 million baht 48.43%

Values of mineral *Export* in the first half year of 2016 is 8,613.4 million baht, decreasing from the same period of 2015 by 67.6 million baht or 0.78%

Values of mineral *Consumption* in the first half year of 2016 is 38,406.7 million baht, increasing from the same period of 2015 by 13,546.4 million baht or 54.49%

Values of mineral *Import* in the first half year of 2016 is 29,648.7 million baht, decreasing from the same period of 2015 by 1,986.6 million baht or 6.28%

Mineral *Royalty Revenues* in the first year of 2016 is 2,146.51 million baht, increasing from the same period of 2015 by 757.69 million baht or 54.56%

Mineral Consumption of Thailand 2015-2016

Quantity : Tonnes
Value : Million Baht

Mineral	2015 ^P (Jan. - Jun.)		2016 ^P (Jan. - Jun.)	
	Quantity	Value	Quantity	Value
Limestone				
- Industrial rock-cement	34,064,022	4,087.7	37,587,861	9,397.0
- Industrial rock-construction	45,856,540	4,814.9	49,797,435	8,963.5
- Industrial rock-others	3,292,072	395.0	3,083,642	770.9
Lignite	7,436,601	7,139.1	7,639,485	7,333.9
Zinc				
- Zinc alloy	14,287	1,156.3	12,564	893.9
- Zinc metal	12,772	941.8	19,643	1,273.4
Basalt (industrial rock)	6,030,842	814.2	6,648,486	1,329.7
Rock salt	681,594	749.8	670,610	1,307.7
Gypsum (unground)	1,799,959	1,081.8	1,774,517	1,178.3
Shale (industrial rock-cement)	2,981,861	372.7	4,116,675	1,029.2
Tin metal	1,622	917.1	1,602	921.8
Granite				
- Industrial rock	3,550,077	479.3	4,192,896	838.6
- Dimension stone*	1,951	11.1	2,457	14.3
Dolomite	684,933	239.7	1,172,315	644.8
Calcite	682,795	134.5	779,730	584.8
Glass sand	489,840	171.4	394,761	390.8
Cement clay (industrial rock)	2,493,998	224.5	2,644,898	238.0
Ceramic clay (industrial rock)	194,353	106.9	188,736	103.8
Marble				
- Fragment*	538,479	175.0	515,430	241.2
- Dimension stone*	4,600	36.5	6,150	25.2
Barite (drilling mud-ground)	54,930	214.0	54,629	212.8
Kaolin				
- Unwashed	267,179	102.9	316,277	121.8
- Washed	61,915	59.4	56,206	54.0
Ball clay	140,414	77.2	203,173	111.7
Feldspar				
- Sodium (unground)	84,895	59.4	123,381	86.4
- Sodium (ground)	37,123	52.0	11,800	16.5
- Potassium (unground)	2,400	4.1	285	0.5
Andesite (industrial rock)	359,633	48.6	470,710	94.1
Graywacke(industrial rock-others)	519,579	54.6	533,327	80.0
Rhyolite (industrial rock)	357,395	37.5	401,433	60.2
Sandstone				
Sandstone (industrial rock)	188,255	18.8	194,725	29.2
Pyrophyllite	20,500	12.3	30,370	18.2
Quartz				
- Unground	46,300	34.7	12,290	9.2
- Quartzite	58,548	6.1	20,424	4.1
Perlite (industrial rock)	5,300	3.7	7,250	10.9
Others		25.7		16.3
Total		24,860.3		38,406.7

Remark : * Quantity : Cubic metre P = Primary

Presented on 29/11/2016

Mineral Royalty Revenues of Thailand 2015-2016

Value : Million Baht

Mineral	2015 ^P	2016 ^P	% change
Limestone			
- Industrial rock-construction	202.59	378.07	86.62%
- Industrial rock-cement	289.94	653.08	125.25%
- Industrial rock-others	20.26	31.59	55.92%
Lignite	285.06	304.23	6.72%
Gold	163.70	170.24	4.00%
Gypsum	150.58	144.77	-3.86%
Shale			
- Industrial rock-cement	26.56	69.77	162.69%
- Industrial rock-others	-	0.47	-
Rock salt	30.58	53.82	76.00%
Basalt (industrial rock)	33.89	52.21	54.06%
Granite			
- Industrial rock	20.44	39.28	92.17%
- Dimension stone	0.41	0.53	29.27%
- Ceramic	-	0.03	-
Zinc metal	26.33	31.08	18.04%
Dolomite	20.21	29.75	47.20%
Calcite	5.12	24.17	372.07%
Glass sand	7.13	21.82	206.03%
Silver	17.90	18.75	4.75%
Anhydrite	10.80	17.68	63.70%
Ball clay	3.24	15.46	377.16%
Feldspar			
- Potassium (unground)	0.16	0.02	-87.50%
- Potassium (ground)	0.06	0.05	-16.67%
- Sodium (unground)	15.07	10.84	-28.07%
- Sodium (ground)	4.41	3.14	-28.80%
Cement Clay	10.20	12.29	20.49%
Fluorite	7.13	11.25	57.78%
Marble			
- Dimension stone	0.74	0.95	28.38%
- Fragment	4.86	9.23	89.92%
Barite			
- Unground	1.27	2.61	105.51%
- Chemical grade (ground)	0.29	0.25	-13.79%
- Drilling mud (ground)	5.79	5.85	1.04%
Kaolin			
- Unwashed	4.24	4.45	4.95%
- Washes (ceramic)	2.68	2.46	-8.21%
- Washed (filler)	0.51	1.10	115.69%
Sandstone	1.50	4.87	224.67%
Andesite (industrial rock)	2.66	4.46	67.67%
Ceramic Clay	4.41	4.29	-2.72%
Graywacke (industrial rock-others)	-	3.81	-
Industrial rock (others)	3.18	2.44	-23.27%
Others	4.92	5.35	8.74%
Total	1,388.82	2,146.51	54.56%

Mineral Import of Thailand 2015-2016

Quantity : Tonnes, Value : Million Baht

Mineral	2015 ^P (Jan. - Jun.)		2016 ^P (Jan. - Jun.)	
	Quantity	Value	Quantity	Value
Bituminous coal	5,248,915	12,683.8	5,605,152	12,851.5
Coal Solid Fuels from Coal	5,435,375	9,262.6	5,477,911	8,167.2
Niobium and Vanadium ore	6,883	612.9	9,769	1,281.9
Tin ore	2,999	928.0	3,873	1,210.8
Talc	67,174	798.3	72,665	865.9
Copper	10,082	454.1	16,533	524.0
Zinc ore	57,002	1,357.7	24,151	520.5
Kaolin				
- Ceramic	60,256	83.3	10,574	89.7
- Paper	1,568	16.8	2,264	26.6
- Others	34,369	334.2	33,989	344.8
Bentonite	57,393	363.3	62,165	436.5
Asbestos	16,313	293.2	17,750	290.6
Molybdenite ore	7,856	504.1	2,499	281.9
Marble	24,685	245.7	28,476	260.7
Sulphur	59,734	375.1	57,461	254.0
Granite	57,387	264.3	53,007	222.0
Zirconium ore	42,792	498.9	17,486	218.4
Anthracite	73,786	294.9	47,359	213.2
Basalt	8,982	71.1	25,048	166.8
Others		2,193.0		1,421.7
Total		31,635.3		29,648.7

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

P = Primary

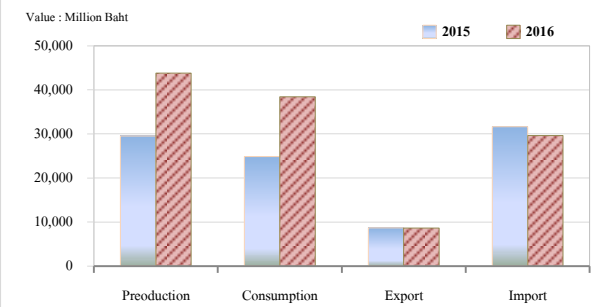
Number of Workers Employed in Mines & Operating Mine

Mineral (Unit : Number)	June			
	Operating Mines		Workers	
	2015 ^P	2016 ^P	2015 ^P	2016 ^P
Limestone - Construction	202	185	4,086	3,765
- Cement industry	17	12	875	839
- Other industries	17	15	422	538
Lignite	4	2	1,656	1,648
Granite - Industrial rock	20	17	596	710
- Dimension stone	22	15	223	201
Gypsum	47	41	929	751
Basalt (industrial rock)	33	34	647	660
Cement clay	18	21	395	463
Gold	3	4	336	335
Dolomite	21	16	336	302
Feldspar	19	17	251	258
Rock salt	3	3	125	256
Kaolin	29	24	333	255
Marble	19	16	326	214
Zinc ore	1	1	227	210
Shale (industrial rock-cement)	6	6	153	153
Others	92	87	1,884	1,296
Total	573	516	13,800	12,854



Mineral Statistics of Thailand 2015 - 2016 (Jan.-Jun.)

Minerals Value of Thailand in 2015-2016 (Jan-Jun)



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