

Mineral Production of Thailand (Fiscal Year) 2014-2015

Mineral	Quantity : Tonnes		Value : Million Baht	
	2014		2015 ^P	
	Quantity	Value	Quantity	Value
Limestone				
- Industrial rock-construction	88,982,616	9,343.2	91,426,523	9,599.8
- Industrial rock-cement	69,777,124	8,373.3	72,085,129	8,650.2
- Industrial rock-others	6,251,767	750.2	6,434,058	772.1
Lignite	18,166,899	17,440.2	15,524,614	14,903.6
Gypsum (unground)	12,571,281	7,059.3	11,545,733	7,031.5
Gold metal (unit : gram)	4,291,068	5,704.9	3,694,696	4,690.4
Zinc ore	208,619	2,891.6	184,240	2,695.2
Basalt (industrial rock)	14,178,042	1,914.0	12,722,858	1,717.6
Granite				
- Industrial rock	7,265,701	980.9	7,627,597	1,029.7
- Dimension stone	3,213*	19.0	3,533*	20.3
Rock salt	1,347,677	1,482.4	933,031	1,026.3
Dolomite	2,385,507	834.9	2,380,240	940.4
Feldspar				
- Sodium (unground)	1,338,415	936.9	1,269,890	888.9
- Potassium (unground)	14,210	24.2	3,720	6.3
Shale (industrial rock-cement)	5,007,991	626.0	5,866,231	733.3
Anhydrite	1,068,318	592.7	949,810	581.5
Cement Clay	3,732,420	335.9	3,993,183	359.4
Ceramic Clay	274,801	151.1	403,535	221.9
Glass sand	1,207,531	422.6	1,003,010	514.9
Barite				
- Drilling mud (ground)	44,033	171.5	101,680	396.0
- Unground	88,206	130.9	22,123	32.9
- Chemical grade (ground)	4,225	24.7	4,044	23.7
Marble				
- Fragment	529,829*	172.2	1,107,764*	360.0
- Dimension stone	10,493*	40.9	12,600*	87.8
Silver metal (unit : gram)	31,909,416	667.9	24,016,454	425.7
Calcite	973,549	191.8	1,214,062	405.2
Kaolin				
- Unwashed	766,677	295.2	627,527	232.8
- Washed	115,426	110.8	111,422	107.0
Andesite (industrial rock)	1,032,215	139.3	825,639	111.5
Graywacke (industrial rock-others)	1,017,260	106.8	1,020,047	107.1
Quartz				
- Unground	85,380	64.0	103,060	77.3
- Industrial rock	105,901	11.1	97,488	10.2
- Ground	3,050	2.3	3,488	2.6
Rhyolite (industrial rock)	931,321	97.8	839,799	88.2
Tin concentrates	158	83.3	155	63.5
Others		1,345.5		286.2
Total		63,539.3		59,201.0

Remark : * Quantity : Cubic metre, P=Primary data

Mineral Exports of Thailand (Fiscal Year) 2014-2015

Mineral	Quantity : Tonnes		Value : Million Baht	
	2014		2015 ^P	
	Quantity	Value	Quantity	Value
Gypsum				
- Unground	9,005,870	5,011.1	8,028,205	4,946.1
- Ground	3,677	12.0	1,944	7.5
Tin				
- Tin metal	14,432	9,675.3	7,862	4,731.4
- Hard head	124	40.9	34	12.4
Gold metal (unit : gram)	4,291,069	5,704.9	3,694,696	4,688.5
Feldspar (sodium-ground)	884,525	764.3	771,643	694.9
Anhydrite	1,188,038	659.6	1,081,795	681.6
Dolomite				
- Unground	1,163,200	424.5	1,317,359	508.1
- Ground	1,794	0.8	2,920	0.7
Silver metal (unit : gram)	31,909,416	667.9	24,016,454	419.7
Limestone				
- Industrial rock-construction	678,286	230.3	672,498	284.0
- Industrial rock-others	1,328	2.8	1,316	2.9
Zircon	12,231	314.8	9,457	244.0
Manganese (metallurgical grade)	30,803	95.6	141,860	194.2
Antimony ore	3,915	118.7	2,846	137.4
Granite (industrial rock)	490,014	133.1	503,900	133.9
Fluorite	4,726	25.4	17,961	106.7
Barite				
- Chemical grade (ground)	7,273	53.8	6,117	80.1
- Drilling mud (ground)	1,512	8.5	5,651	21.9
- Unground	40	0.2	2,666	4.0
Zinc metal	2,456	162.7	1,002	98.8
Ball clay	24,688	196.9	17,320	75.2
Iron ore	227,299	447.4	34,911	74.7
Monazite	2,940	133.7	1,470	74.5
Kaolin (washed)	13,676	70.3	12,109	65.8
Copper metal	42	9.7	187	42.7
Others		113.8		108.9
Total		25,079.0		18,440.6

Remark : P=Primary data

Values of mineral *Production* in the fiscal year of 2015 is 59,201.0 million baht, decreasing from the same period of 2014 by 4,338.3 million baht 6.83%
 Values of mineral *Exports* in the fiscal year of 2015 is 18,440.6 million baht, decreasing from the same period of 2014 by 6,638.4 million baht or 26.47%
 Values of mineral *Consumption* in the fiscal year of 2015 is 50,762.8 million baht, decreasing from the same period of 2014 by 2,211.2 million baht or 4.17%
 Values of mineral *Import* in the fiscal year of 2015 is 64,339.4 million baht, increasing from the same period of 2014 by 2,480.6 million baht or 3.98%
 Mineral *Royalty Revenues* in the fiscal year of 2015 is 2,799.38 million baht, decreasing from the same period of 2014 by 287.75 million baht or 9.32%

Mineral Consumption of Thailand (Fiscal Year) 2014-2015

Mineral	Quantity : Tonnes		Value : Million Baht	
	2014		2015 ^P	
	Quantity	Value	Quantity	Value
Limestone				
- Industrial rock-construction	88,422,941	9,284.4	91,394,435	9,596.4
- Industrial rock-cement	65,301,911	7,836.2	67,395,422	8,087.5
- Industrial rock-others	6,219,769	746.4	6,359,171	763.1
Lignite	18,803,368	18,051.2	15,878,925	15,243.8
Zinc				
- Zinc alloy	30,288	2,278.4	28,591	2,316.5
- Zinc metal	29,491	2,007.5	28,262	2,092.7
Gypsum (unground)	4,076,051	2,284.4	3,668,539	2,241.7
Tin metal	3,167	2,309.8	3,099	1,792.3
Basalt (industrial rock)	13,710,801	1,850.9	11,134,051	1,503.1
Rock salt	1,345,524	1,480.1	945,509	1,254.4
Granite				
- Industrial rock	6,904,408	932.1	6,916,176	933.7
- Dimension stone	5,015*	29.6	3,539*	20.3
Shale (industrial rock-cement)	4,940,304	617.5	5,746,739	718.3
Dolomite	1,169,364	409.3	1,572,124	633.2
Cement clay (industrial rock)	4,074,321	366.7	4,042,409	371.0
Ceramic clay (industrial rock)	237,486	130.6	359,687	197.8
Glass sand	1,030,530	360.7	957,327	481.8
Marble				
- Fragment	517,215*	168.1	1,105,429*	359.3
- Dimension stone	7,848*	30.6	12,552*	99.1
Calcite	962,979	189.7	1,277,686	423.6
Barite				
- Drilling mud (ground)	38,597	150.3	91,480	356.3
- Unground	-	-	17,280	25.7
Kaolin				
- Unwashed	644,210	248.0	572,265	220.3
- Washed	141,721	136.1	132,722	127.4
Feldspar				
- Sodium (ground)	204,795	286.7	101,854	142.6
- Sodium (unground)	151,983	106.4	151,879	106.3
- Potassium (unground)	10,650	16.5	6,900	11.7
Ball clay	242,490	133.4	307,291	169.0
Andesite (industrial rock)	987,892	133.4	824,605	111.3
Graywacke (industrial rock-others)	978,068	102.7	992,486	104.2
Rhyolite (industrial rock)	844,627	88.7	820,701	86.2
Quartz				
- Unground	141,582	106.2	97,495	73.1
- Industrial rock	112,933	11.8	97,620	10.3
- Ground	2,947	2.2	3,250	2.4
Others		87.3		86.3
Total		52,973.9		50,762.8

Remark : * Quantity : Cubic metre, P=Primary data

Mineral Royalty Revenues of Thailand (Fiscal Year) 2014-2015

Value : Million Baht

Mineral	2014	2015 ^P	% change
- Industrial rock-cement	571.11	556.20	-2.61%
- Industrial rock-construction	398.05	410.24	3.06%
- Industrial rock-others	35.44	38.18	7.74%
Lignite	722.06	608.99	-15.66%
Gypsum	296.97	299.98	1.01%
Gold ore	469.14	291.42	-37.88%
Rock salt	59.31	72.54	22.30%
Basalt (industrial rock)	73.77	67.01	-9.16%
Zinc metal	42.55	58.82	38.26%
Dolomite	36.52	54.37	48.88%
Shale (industrial rock-cement)	43.75	51.36	17.39%
Granite			
- Industrial rock	41.48	42.62	2.74%
- Dimension stone	1.06	0.81	-23.48%
Feldspar			
- Potassium (ground)	0.21	0.15	-28.80%
- Potassium (unground)	0.72	0.64	-11.74%
- Sodium (ground)	12.15	8.38	-31.03%
- Sodium (unground)	26.35	27.21	3.27%
Silver ore	66.69	31.90	-52.17%
Anhydrite	26.15	26.15	0.03%
Glass sand	13.62	21.10	54.83%
Cement Clay	15.14	18.23	20.40%
Calcite	8.19	16.33	99.27%
Barite			
- Unground	5.92	4.88	-17.57%
- Drilling mud (ground)	2.68	10.52	292.74%
- Chemical grade (ground)	0.50	0.53	5.42%
Kaolin			
- Unwashed	10.64	8.65	-18.74%
- Washed (ceramic)	4.90	5.57	13.65%
- Filler	1.01	0.96	-5.41%
Marble			
- Dimension stone	1.20	2.62	118.86%
- Fragment	7.51	9.46	25.98%
Fluorite	17.60	11.60	-34.09%
Ceramic Clay	5.30	8.55	61.43%
Ball clay	6.75	7.56	12.01%
Andesite (industrial rock)	6.08	6.02	-0.90%
Other Industrial rock	5.27	5.89	11.71%
Quartz	4.48	2.93	-34.57%
Tin ore	10.59	2.82	-73.34%
Others	36.27	8.20	-77.41%
Total	3,087.13	2,799.38	-9.32%

Remark : P=Primary data

Mineral Import of Thailand (Fiscal Year) 2014-2015

Quantity : Tonnes, Value : Million Baht

Mineral	2014		2015	
	Quantity	Value	Quantity	Value
Bituminous coal	10,261,716	28,148.4	10,931,279	26,961.0
Coal Solid Fuels from Coal	10,076,514	18,282.1	10,712,314	18,146.9
Zinc ore	49,613	1,054.5	100,339	2,366.6
Tin ore	4,000	1,701.6	6,304	2,048.5
Talc	137,239	1,637.5	135,128	1,618.3
Niobium and Vanadium ore	19,958	868.7	7,238	1,258.7
Molybdenite ore	11,516	1,382.5	14,434	1,068.2
Zirconium ore	27,237	536.9	97,957	984.1
Kaolin				
- Paper	5,941	58.9	4,901	51.4
- Ceramic	18,596	160.2	121,340	189.1
- Others	65,618	675.3	71,396	710.8
Copper	11,181	66.1	19,905	823.8
Anthracite	157,592	752.9	189,831	791.3
Sulphur	111,565	630.8	124,461	769.7
Bentonite	106,275	668.4	108,522	738.0
Tantalite	173	329.6	346	636.6
Asbestos	44,894	714.7	34,009	617.1
Others		4,210.0		4,559.3
Total		61,878.9		64,339.4

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

Number of Workers Employed in Mines & Operating Mine

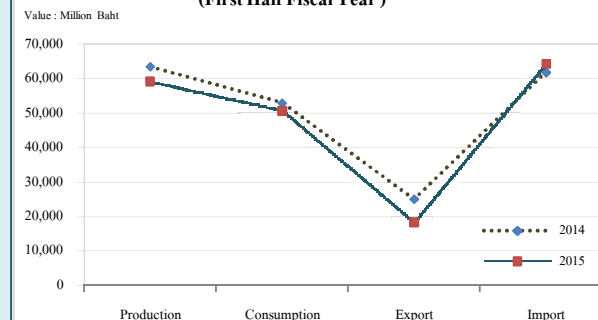
Mineral (Unit : Number)	September			
	Operating Mines		Workers	
	2014	2015 ^P	2014	2015 ^P
Limestone - Construction	3,892	3,829	195	177
- Cement industry	873	880	17	17
- Other industries	324	418	16	15
Lignite	1,920	1,656	6	4
Gypsum (unground)	845	914	44	48
Granite - Industrial rock	560	588	18	19
- Dimension stone	220	218	21	19
Basalt (industrial rock)	715	547	31	30
Iron ore	380	150	14	10
Cement clay	364	397	17	20
Ball clay	351	351	5	4
Kaolin	321	397	25	28
Gold	318	670	4	4
Feldspar	286	261	20	20
Dolomite	283	362	20	19
Tin ore	259	205	3	3
Others	1,835	1,620	113	82
Total	13,678	13,531	550	538

Remark : P=Primary data



Mineral Statistics of Thailand (Fiscal Year) 2014 - 2015

Minerals Value of Thailand in 2014-2015
(First Half Fiscal Year)



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Ministry of Industry

