Statistics Report

No. BITC 1/2556

Mineral Statistics of Thailand

2008 - 2012

Statistics Group

Bureau of Information Technology and Communication

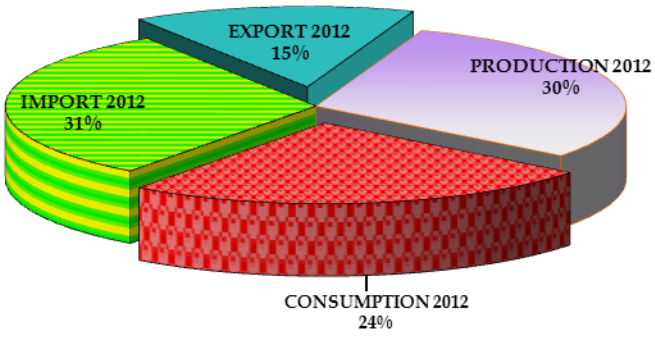
Department of Primary Industries and Mines

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CONTENTS

PAGE

ANDESITE 1
ANHYDRITE 2
ANTHRACITE 4
ANTIMONY 5
BALL CLAY 6
BARITE 8
BASALT 10
BENTONITE 11
CALCITE 12
CEMENT CLAY 13
CERAMIC CLAY 14
COPPER 15
DIATOMITE 16
DOLOMITE 17
FELDSPAR 19
FLUORITE 22
GARNET 23
GEM STONE 24
GLASS SAND 25
GNEISS 26
GOLD 27
GRANITE 28
GRAVEL 30
GRAYWACKE 31
GYPSUM 32
ILMENITE 35
IRON 36
KAOLIN 37
LEAD 40
LEUCOXENE 41
LIGNITE 42

PAGE

LIMESTONE 43
MANGANESE 48
MARBLE 49
MARL 51
MICA 52
MONAZITE 53
PERLITE 54
PHOSPHATE 55
PYROPHYLLITE 56
QUARTZ 57
RHYOLITE 59
ROCK SALT 60
RUTILE 61
SAND STONE 62
SHALE 63
SILVER 64
STRUVERITE 65
TALC 66
TANTALUM 67
TIN 68
TRAVERTINE 72
TUNGSTEN 73
XENOTIME 75
ZINC 76
ZIRCON 78
NUMBER OF ACTIVE MINES 79
NUMBER OF WORKERS EMPLOYED 81
MINERAL PRODUCTION OF THAILAND 83
MINERAL EXPORT OF THAILAND 88
MINERAL CONSUMPTION OF THAILAND 92
MINERAL IMPORT OF THAILAND 97
MINERAL ROYALTY OF THAILAND 103

A N D E S I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Phetchabun	396,086	410,259	447,104	307,040	395,904
Uttaradit	604,906	520,396	761,131	638,547	464,435
Northeastern Region					
Loei	-	-	1,000	-	-
Central Region					
Sara Buri	-	-	-	-	149,351
Total Production	**1,000,992**	**930,655**	**1,209,235**	**945,587**	**1,009,690**
Value (Million Baht)	**114.2**	**125.6**	**163.2**	**127.7**	**136.3**
Consumption					
Total Consumption	**980,541**	**765,806**	**1,230,985**	**799,192**	**918,429**
Value (Million Baht)	**112.2**	**103.4**	**166.2**	**107.9**	**123.9**

A N H Y D R I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Phichit	-	-	-	-	-
Nakhon Sawan	-	120	860	3,240	1,000
Southern Region					
Nakhon Si Thammarat	47,340	-	28,700	49,530	36,000
Surat Thani	441,341	633,700	506,560	561,378	820,172
Total Production	**488,681**	**633,820**	**536,120**	**614,148**	**857,172**
Value (Million Baht)	**221.2**	**350.2**	**279.3**	**304.0**	**424.3**
Export					
1. Ground					
Asia					
Japan	460	160	200	120	300
Total Export	**460**	**160**	**200**	**120**	**300**
Value (Million Baht)	**1.5**	**0.5**	**0.6**	**0.4**	**1.1**
2. Unground					
Asia					
China	-	-	4,070	-	-
India	38,020	-	37,650	45,000	33,950
Indonesia	-	-	-	8,000	-
Japan	212,949	317,720	344,010	383,100	437,785
Korea, South	240,205	169,100	140,160	195,300	231,116
Malaysia	79,540	47,000	57,100	49,650	72,055
Philippines	18,513	-	-	-	-
Vietnam	-	-	18,000	23,500	14,000
Total Export	**589,227**	**533,820**	**600,990**	**704,550**	**788,906**
Value (Million Baht)	**276.4**	**291.2**	**308.7**	**344.0**	**401.3**

Tonnes

	2008	2009	2010	2011	2012
Consumption					
Total Consumption	**13,748**	**-**	**32,634**	**3,290**	**25,150**
Value (Million Baht)	**6.1**	**-**	**16.5**	**1.6**	**12.4**
Import[1]					
Total Import	**0****	**4**	**25**	**0****	**0****
Value (Million Baht)	**0.0***	**0.0***	**0.7**	**0.0***	**0.0***

0** denoting the amount of less than 0.1 tonnes
0.0* denoting the amount of less than 0.05 million baht
1 data from 'www.customs.go.th'

A N T H R A C I T E

Tonnes

	2008	2009	2010	2011	2012
Import[1]					
Total Import	**242,197**	**677,522**	**367,817**	**210,701**	**138,064**
Value (Million Baht)	**1,280.4**	**2,209.5**	**1,539.6**	**1,407.3**	**808.1**

1 data from 'www.customs.go.th'

A N T I M O N Y

Tonnes

		2008	2009	2010	2011	2012
Production						
Southern Region						
Satun	Ore	-	35	738	56	-
	Low grade	-	-	-	172	43
Total Production	**Ore**	**-**	**35**	**738**	**56**	**-**
	Low grade	**-**	**-**	**-**	**172**	**43**
Value (Million Baht)	**Ore**	**-**	**1.0**	**21.3**	**1.6**	**-**
	Low grade	**-**	**-**	**-**	n.a.	n.a.
Export						
Ore						
Asia						
China		253	400	1,310	5,323	5,130
Hong Kong		-	98	404	1,884	1,000
India		-	41	-	-	-
Korea, South		-	-	-	100	-
Laos		-	-	34	-	-
Malaysia		-	-	-	24	50
Taiwan		-	-	-	50	23
Vietnam		-	-	-	-	65
Total Export		**253**	**539**	**1,748**	**7,381**	**6,268**
Value (Million Baht)		**5.1**	**7.5**	**32.8**	**142.4**	**124.3**
Consumption						
Total Consumption		**-**	**-**	**56**	**-**	**-**
Value (Million Baht)		**-**	**-**	**1.2**	**-**	**-**
Import[1]						
Total Import		**1,218**	**1,496**	**4,356**	**8,803**	**6,649**
Value (Million Baht)		**22.0**	**23.8**	**134.6**	**263.1**	**145.2**

1 data from 'www.customs.go.th'

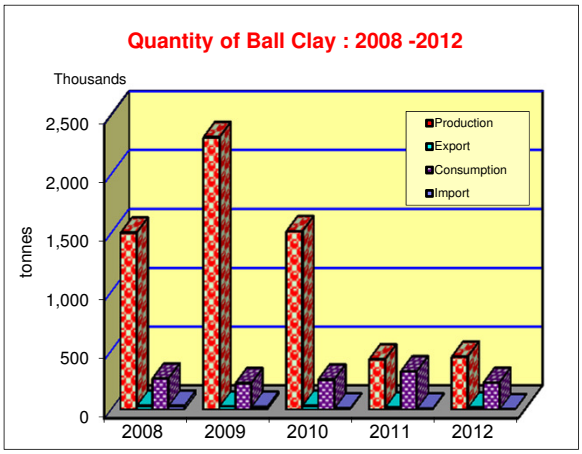
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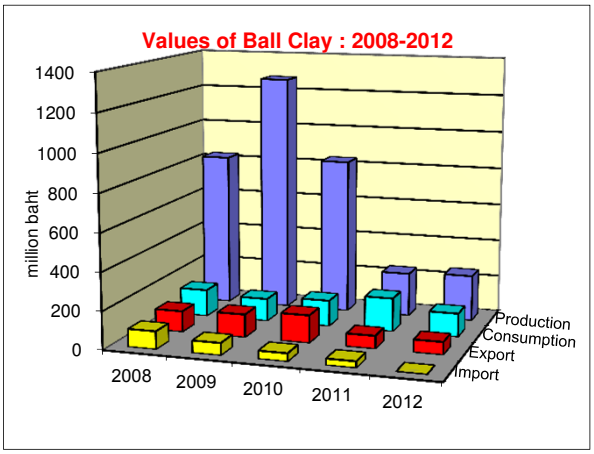
Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Chiang Rai	3,780	7,350	34,595	3,600	5,480
Lampang	1,447,753	2,251,495	1,397,969	346,435	364,055
Central Region					
Prachin Buri	1,474	260	363	203	2,703
Sara Buri	31,250	52,520	80,840	74,120	74,900
Southern Region					
Nakhon Si Thammarat	15,736	1,000	-	690	210
Total Production	**1,499,993**	**2,312,625**	**1,513,767**	**425,048**	**447,348**
Value (Million Baht)	**824.9**	**1,271.9**	**832.6**	**233.8**	**246.0**
Export					
Asia					
Bangladesh	-	-	1	300	300
China	4,120	3,373	1,638	2,400	745
India	1,000	469	989	1,000	1,593
Indonesia	11,839	7,892	12,480	1,614	-
Korea, South	480	700	704	160	-
Malaysia	8,254	9,525	9,335	5,015	5,234
Philippines	356	264	600	128	344
Sri Lanka	2	-	-	-	-
Taiwan	384	264	288	-	-
Vietnam	3,337	3,256	4,280	4,588	5,375
Europe					
Germany	-	-	1	-	-
Total Export	**29,772**	**25,743**	**30,316**	**15,205**	**13,591**
Value (Million Baht)	**111.7**	**122.5**	**146.3**	**68.6**	**67.0**

Tonnes

	2008	2009	2010	2011	2012
Consumption					
Total Consumption	**262,598**	**221,472**	**253,292**	**324,283**	**227,150**
Value (Million Baht)	**144.4**	**121.8**	**139.3**	**178.4**	**124.9**
Import[1]					
Total Import	**28,981**	**20,508**	**6,592**	**5,463**	**-**
Value (Million Baht)	**94.3**	**64.2**	**42.4**	**33.8**	**-**





1 data from 'www.customs.go.th'

B A R I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
1. Ground (Chemical grade)					
Northeastern Region					
Loei	2,480	1,985	3,865	2,403	3,301
Total Production	**2,480**	**1,985**	**3,865**	**2,403**	**3,301**
Value (Million Baht)	**14.5**	**11.6**	**22.6**	**14.1**	**19.3**
2. Ground (Drilling Mud grade)					
Northern Region					
Phrae	-	-	-	-	14,200
Total Production	**-**	**-**	**-**	**-**	**14,200**
Value (Million Baht)	**-**	**-**	**-**	**-**	**55.3**
3. Unground					
Northern Region					
Phayao	-	1,000	1,800	-	-
Northeastern Region					
Loei	300	-	-	-	-
Udon Thani	-	-	-	45,000	-
Southern Region					
Nakhon Si Thammarat	6,400	48,910	27,800	20,300	46,998
Total Production	**6,700**	**49,910**	**29,600**	**65,300**	**46,998**
Value (Million Baht)	**9.9**	**74.1**	**44.0**	**97.0**	**69.8**

Tonnes

	2008	2009	2010	2011	2012
Export					
1. Ground (Chemical grade)					
Africa					
Mauritius	-	-	-	25	-
South Africa	21	-	-	21	84
Asia					
Hong Kong	40	-	-	40	60
Indonesia	-	-	-	68	245
Japan	299	-	-	935	530
Jordan	-	-	-	20	-
Korea, South	126	-	-	175	272
Malaysia	5,722	17,008	12	338	670
Singapore	260	-	-	105	250
Taiwan	315	-	-	357	281
U.A.E.	-	-	-	-	87
Vietnam	-	-	-	200	557
Australia / Oceania					
Australia	218	-	-	624	1,032
New Zealand	22	-	-	44	-
Europe					
Netherlands	-	-	-	-	24
Total Export	**7,023**	**17,008**	**12**	**2,952**	**4,092**
Value (Million Baht)	**31.2**	**34.4**	**0.1**	**24.0**	**39.9**
Consumption					
1. Ground (Chemical)	**-**	**49**	**-**	**-**	**-**
Value (Million Baht)	**-**	**0.3**	**-**	**-**	**-**
2.Ground (Drilling mud)	**-**	**-**	**-**	**-**	**13,956**
Value (Million Baht)	**-**	**-**	**-**	**-**	**54.4**
3. Unground	**6,210**	**10,420**	**9,334**	**21,229**	**-**
Value (Million Baht)	**9.2**	**15.5**	**13.9**	**31.5**	**-**
Import[1]					
Total Import	**96,433**	**57,452**	**78,862**	**94,650**	**104,668**
Value (Million Baht)	**391.6**	**178.7**	**274.1**	**399.2**	**509.8**

1 data from 'www.customs.go.th'

B A S A L T

Tonnes

	2008	2009	2010	2011	2012
Production					
Northeastern Region					
Buri Ram	2,713,393	3,712,789	4,322,951	4,310,095	4,160,688
Nakhon Ratchasima	1,190,985	1,299,552	1,373,600	1,286,013	1,318,488
Si Sa Ket	182,981	221,414	438,856	133,072	-
Surin	3,107,404	3,706,377	4,480,852	3,826,236	3,289,275
Ubon Ratchathani	1,661,830	1,580,624	1,871,741	1,762,796	1,944,372
Central Region					
Trat	20,959	1,200	1,200	-	-
Total Production	**8,877,552**	**10,521,955**	**12,489,201**	**11,318,212**	**10,712,823**
Value (Million Baht)	**1,026.9**	**1,420.5**	**1,686.0**	**1,528.0**	**1,446.2**
Consumption					
Total Consumption	**8,736,654**	**10,878,292**	**12,164,953**	**10,985,713**	**10,450,773**
Value (Million Baht)	**1,010.7**	**1,468.6**	**1,642.3**	**1,483.1**	**1,410.9**
Import[1]					
Total Import	**20,857**	**17,091**	**268,767**	**57,184**	**-**
Value (Million Baht)	**112.4**	**98.8**	**102.3**	**103.5**	**-**

1 data from 'www.customs.go.th'

B E N T O N I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Central Region					
Lop Buri	210	110	130	55,220	141,000
Total Production	**210**	**110**	**130**	**55,220**	**141,000**
Value (Million Baht)	**0.1**	**0.1**	**0.1**	**33.1**	**84.6**
Consumption					
Total Consumption	**-**	**10,000**	**10,000**	**40,000**	**30,000**
Value (Million Baht)	**-**	**6.0**	**6.0**	**24.0**	**18.0**
Import[1]					
Total Import	**54,345**	**42,429**	**65,096**	**103,555**	**83,377**
Value (Million Baht)	**378.4**	**272.5**	**408.2**	**505.9**	**555.1**

1 data from 'www.customs.go.th'

C A L C I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Lamphun	-	25	-	-	-
Tak	686	-	-	-	-
Uttaradit	4,300	3,160	10,330	3,200	-
Central Region					
Lop Buri	818,720	540,834	683,424	783,050	865,800
Total Production	**823,706**	**544,019**	**693,754**	**786,250**	**865,800**
Value (Million Baht)	**162.3**	**107.2**	**136.7**	**154.9**	**170.6**
Consumption					
Total Consumption	**817,801**	**477,732**	**578,500**	**439,759**	**803,377**
Value (Million Baht)	**161.1**	**94.1**	**113.9**	**86.6**	**158.3**
Import[1]					
Total Import	**1,109**	**-**	**-**	**-**	**-**
Value (Million Baht)	**3.5**	**-**	**-**	**-**	**-**

1 data from 'www.customs.go.th'

C E M E N T C L A Y

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Lampang	97,677	74,224	443,966	143,475	-
Nakhon Sawan	375,600	-	76,525	34,699	-
Northeastern Region					
Nakhon Ratchasima	418,453	695,256	2,709,729	272,360	58,406
Central Region					
Lop Buri	169,761	236,511	226,014	962,414	-
Prachin Buri	205,000	232,377	1,093,728	431,000	-
Ratcha Buri	11,500	15,000	-	-	-
Sara Buri	1,246,219	2,629,811	2,849,061	4,130,813	5,948,633
Sing Buri	-	-	10,000	-	-
Southern Region					
Krabi	-	-	-	219,087	-
Nakhon Si Thammarat	1,229,407	1,011,150	841,800	2,378,036	-
Total Production	**3,753,617**	**4,894,329**	**8,250,823**	**8,571,884**	**6,007,039**
Value (Million Baht)	**337.8**	**440.5**	**742.6**	**771.5**	**540.6**
Consumption					
Total Consumption	**3,692,042**	**4,876,744**	**6,833,705**	**6,525,005**	**1,622,039**
Value (Million Baht)	**332.3**	**438.9**	**615.0**	**587.3**	**145.9**

C E R A M I C C L A Y

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Chiang Rai	600	9,113	12,044	37,173	-
Lampang	5,067	4,651	9,148	164,076	-
Northeastern Region					
Chaiyaphum	-	111,700	547,000	-	-
Nakhon Ratchasima	-	-	-	180,956	-
Central Region					
Nakhon Nayok	185,960	-	-	-	-
Sara Buri	114,500	128,500	188,470	21,924	60,327
Sing Buri	35,100	18,500	172,500	-	-
Total Production	**341,227**	**272,464**	**929,162**	**404,129**	**60,327**
Value (Million Baht)	**187.7**	**149.9**	**511.0**	**222.3**	**33.2**
Consumption					
Total Consumption	**135,241**	**226,849**	**233,286**	**276,466**	**67,847**
Value (Million Baht)	**74.4**	**124.8**	**128.3**	**152.1**	**37.3**

0.0* denoting the amount of less than 0.05 million baht

C O P P E R

Tonnes

	2008	2009	2010	2011	2012
Production (metal)					
Northeastern Region					
Loei	0.5	0.2	723	525	721
Total Production	**0.5**	**0.2**	**723**	**525**	**721**
Value (Million Baht)	**0.1**	**0.0***	**168.5**	**146.4**	**186.5**
Export					
1. Metal					
Asia					
Hong Kong	0.5	0.2	723	525	721
Total Export	**0.5**	**0.2**	**723**	**525**	**721**
Value (Million Baht)	**0.1**	**0.0***	**168.5**	**146.4**	**186.5**
2. Dross					
Europe					
Belgium	-	86	44	-	-
Total Export	**-**	**86**	**44**	**-**	**-**
Value (Million Baht)	**-**	**14.6**	**14.7**	**-**	**-**
3. Powder					
Europe					
U.K	-	-	4	2	-
Total Export	**-**	**-**	**4**	**2**	**-**
Value (Million Baht)	**-**	**-**	**1.2**	**0.7**	**-**
Consumption (metal)					
Total Consumption	**419**	**441**	**833**	**1,824**	**1,128**
Value (Million Baht)	**109.6**	**76.9**	**193.5**	**515.3**	**289.9**
Import (ore)[1]					
Total Import	**16**	**25**	**374**	**352**	**1,735**
Value (Million Baht)	**0.2**	**0.6**	**4.9**	**4.1**	**7.4**

0.0* denoting the amount of less than 0.05 million baht

1 data from 'www.customs.go.th'

D I A T O M I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Lampang	4,075	5,600	7,100	38,130	8,500
Total Production	**4,075**	**5,600**	**7,100**	**38,130**	**8,500**
Value (Million Baht)	**3.7**	**5.0**	**6.4**	**34.3**	**7.7**
Consumption					
Total Consumption	**4,400**	**5,730**	**7,625**	**11,300**	**27,060**
Value (Million Baht)	**4.0**	**5.2**	**6.9**	**10.2**	**24.4**

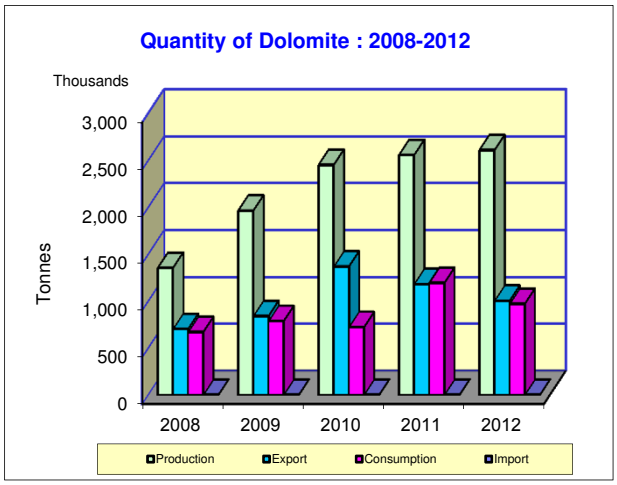
D O L O M I T E

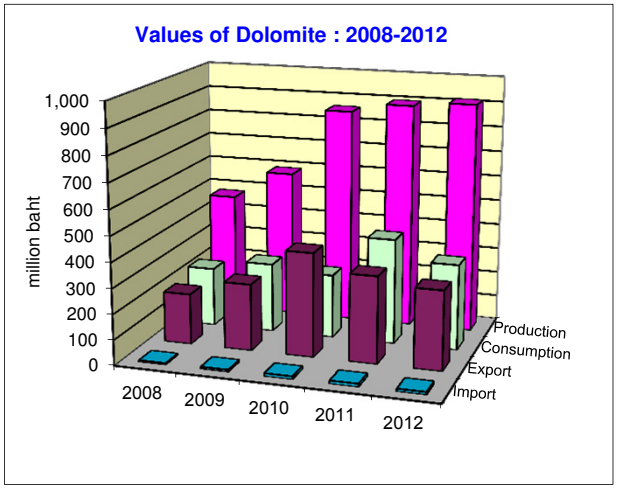
Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Phetchabun	11,000	12,200	9,700	9,710	12,430
Phrae	4,805	4,800	4,800	2,380	3,873
Central Region					
Kanchanaburi	246,450	247,050	330,750	588,047	150,400
Southern Region					
Krabi	120,500	88,047	80,000	102,000	120,000
Phangnga	184,498	134,582	121,679	98,593	123,898
Songkhla	-	-	-	-	25,724
Surat Thani	735,890	1,414,313	1,838,467	1,752,370	1,938,937
Trang	50,620	63,418	66,594	3,665	233,485
Total Production	**1,353,763**	**1,964,410**	**2,451,990**	**2,556,765**	**2,608,747**
Value (Million Baht)	**473.8**	**587.5**	**858.2**	**894.9**	**913.1**
Export					
1. Ground					
Asia					
Bangladesh	12	-	6	30	30
Japan	1,000	80	-	-	-
Laos	-	3	6	-	-
Malaysia	596	78	-	-	-
Myanmar	22	1400	-	-	-
Philippines	-	84	90	59	135
Total Export	**1,630**	**1,644**	**102**	**89**	**165**
Value (Million Baht)	**4.3**	**1.4**	**0.5**	**0.4**	**0.7**
2. Unground					
Asia					
India	-	278,500	572,130	452,620	167,110
Japan	701,070	561,580	789,140	728,640	836,050
Malaysia	1,176	128	128	-	-
Philippines	300	-	-	-	-
Vietnam	-	-	6,800	-	-
Total Export	**702,546**	**840,208**	**1,368,198**	**1,181,260**	**1,003,160**
Value (Million Baht)	**201.6**	**264.5**	**410.9**	**343.8**	**313.0**

Tonnes

	2008	2009	2010	2011	2012
Consumption					
Total Consumption	**669,702**	**786,973**	**722,216**	**1,194,362**	**970,750**
Value (Million Baht)	**234.4**	**275.4**	**252.8**	**418.0**	**339.8**
Import[1]					
Total Import	**502**	**595**	**977**	**1,224**	**940**
Value (Million Baht)	**6.3**	**8.5**	**11.6**	**12.2**	**10.5**





1 data from 'www.customs.go.th'

F E L D S P A R

Tonnes

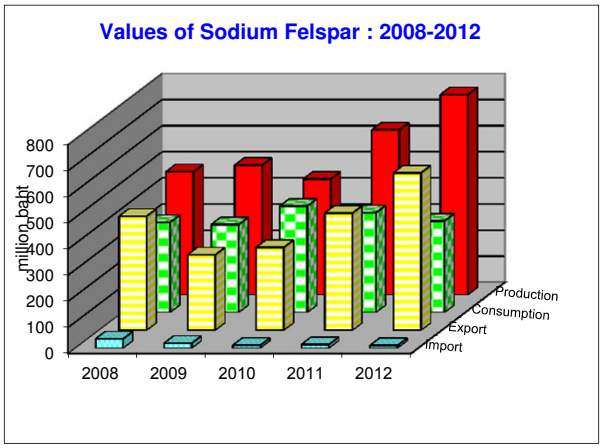
	2008	2009	2010	2011	2012
Production					
1. Potassium Feldspar (Ground)					
Northern Region					
Tak	123	120	-	-	-
Total Production	**123**	**120**	**-**	**-**	**-**
Value (Million Baht)	**0.3**	**0.3**	**-**	**-**	**-**
2. Potassium Feldspar (Unground)					
Central Region					
Kanchanaburi	330	9,630	8,920	138,500	2,000
Prachuap Khiri Khan	93	142	140	169	210
Southern Region					
Nakhon Si Thammarat	-	-	-	500	3,500
Total Production	**423**	**9,772**	**9,060**	**139,169**	**5,710**
Value (Million Baht)	**0.7**	**16.6**	**15.4**	**236.6**	**9.7**
3. Sodium Feldspar (Ground)					
Northern Region					
Tak	3,191	65	120	-	-
Total Production	**3,191**	**65**	**120**	**-**	**-**
Value (Million Bath)	**4.5**	**0.1**	**0.2**	**-**	**-**
4. Sodium Feldspar (Unground)					
Northern Region					
Tak	144,006	162,648	164,047	132,493	204,930
Central Region					
Kanchanaburi	-	1,260	920	640	630
Ratchaburi	41,300	67,300	90,900	98,350	71,253
Southern Region					
Nakhon Si Thammarat	481,575	477,527	376,853	670,500	818,200
Total Production	**666,881**	**708,735**	**632,720**	**901,983**	**1,095,013**
Value (Million Bath)	**466.8**	**496.1**	**442.9**	**631.4**	**766.5**

Tonnes

	2008	2009	2010	2011	2012
Export					
1. Potassium Feldspar (Ground)					
Asia					
Vietnam	-	-	-	72	-
Total Export	**-**	**-**	**-**	**72**	**-**
Value (Million Baht)	**-**	**-**	**-**	**0.2**	**-**
2. Sodium Feldspar (Ground)					
Asia					
Bangladesh	8,810	12,400	23,300	24,700	84,240
China	54,750	-	-	-	-
Hong Kong	-	-	62,900	-	-
India	-	6,300	15,800	56,800	57,200
Indonesia	41,791	38,852	60,452	71,189	114,008
Kuwait	28,599	-	-	-	-
Malaysia	56,158	66,998	108,732	186,903	191,130
Myanmar	10	-	-	14	-
U.A.E.	170,300	159,600	87,537	243,874	212,770
Vietnam	53,496	40,453	24,461	24,817	37,217
Europe					
U.K	-	51,400	-	-	-
North America					
Grenada	-	-	-	-	21,000
Total Export	**413,914**	**376,003**	**383,181**	**608,297**	**717,565**
Value (Million Baht)	**330.8**	**289.1**	**317.6**	**449.0**	**603.0**
3. Sodium Feldspar (Unground)					
Asia					
Bangladesh	19,358	-	-	-	-
India	-	-	-	8,200	-
Indonesia	-	-	17,500	-	-
Malaysia	15,116	-	17,300	-	-
U.A.E.	101,164	-	31,500	-	-
Vietnam	20,933	-	-	-	-
Total Export	**156,571**	**-**	**66,300**	**8,200**	**-**
Value (Million Baht)	**106.2**	**-**	**50.9**	**3.6**	**-**

Tonnes

	2008	2009	2010	2011	2012
Consumption					
1. Potassium Feldspar - ground	**45**	**52**	**-**	**-**	**-**
Value (Million Baht)	**0.1**	**0.1**	**-**	**-**	**-**
2. Potassium Feldspar - Unground	**1,004**	**2,906**	**3,330**	**13,935**	**2,618**
Value (Million Baht)	**1.7**	**4.9**	**5.7**	**23.7**	**4.5**
3. Sodium Feldspar - ground	**201,745**	**170,723**	**171,233**	**165,403**	**162,716**
Value (Million Baht)	**282.4**	**239.0**	**239.7**	**231.6**	**227.8**
4. Sodium Feldspar - Unground	**90,205**	**139,750**	**239,877**	**214,211**	**175,272**
Value (Million Baht)	**63.1**	**97.8**	**167.9**	**150.0**	**122.7**
Import[1]					
1. Potassium Feldspar	**32,446**	**28,996**	**25,928**	**33,342**	**35,505**
Value (Million Baht)	**100.9**	**89.5**	**81.4**	**104.6**	**115.1**
2. Sodium Feldspar	**16,592**	**7,850**	**3,010**	**3,772**	**2,140**
Value (Million Baht)	**35.8**	**19.0**	**11.1**	**13.8**	**10.4**
3. Other Feldspar	**14,339**	**3,590**	**3,891**	**3,935**	**3,900**
Value (Million Baht)	**49.4**	**22.3**	**24.0**	**22.1**	**28.0**



1 data from 'www.customs.go.th'

F L U O R I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Lamphun	16,079	81,670	694	4,393	7,602
Mae Hong Son	10,039	3,775	1,465	-	-
Phrae	-	-	63	700	2,000
Central Region					
Kanchanaburi	-	920	-	-	-
Total Production	**26,118**	**86,365**	**2,222**	**5,093**	**9,602**
Value (Million Baht)	**106.2**	**351.1**	**9.0**	**20.7**	**50.8**
Export					
Asia					
India	-	-	-	-	6
Japan	-	-	-	-	20
Total Export	**-**	**-**	**-**	**-**	**26**
Value (Million Baht)	**-**	**-**	**-**	**-**	**0.2**
Consumption					
Total Consumption	**19,756**	**7,622**	**1,412**	**2,832**	**1,423**
Value (Million Baht)	**80.3**	**30.9**	**5.7**	**11.5**	**5.9**
Import[1]					
Total Import	**841**	**472**	**508**	**1022**	**555**
Value (Million Baht)	**11.2**	**10.8**	**9.8**	**18.0**	**12.1**

1 data from 'www.customs.go.th'

G A R N E T

Tonnes

	2008	2009	2010	2011	2012
Export					
Europe					
Ukraine	-	-	-	-	23
Total Export	**-**	**-**	**-**	**-**	**23**
Value (Million Baht)	**-**	**-**	**-**	**-**	**0.1**

G E M S T O N E

Gram

	2008	2009	2010	2011	2012
Production					
Central Region					
Kanchanaburi	6,381	570	240	-	-
Total Production	**6,381**	**570**	**240**	**-**	**-**
Value (Million Baht)	**n.a.**	**n.a.**	**n.a.**	**-**	**-**
Consumption					
Total Consumption	**6,378**	**610**	**240**	**-**	**-**
Value (Million Baht)	**n.a.**	**n.a.**	**n.a.**	**-**	**-**

G L A S S S A N D

Tonnes

	2008	2009	2010	2011	2012
Production					
Central Region					
Cha Choeng Sao	-	-	-	-	30,000
Chanthaburi	220,278	193,485	108,790	117,470	107,600
Rayong	273,470	162,050	215,195	102,851	295,294
Trat	2,100	2,050	-	-	-
Southern Region					
Chumphon	-	-	-	1,400	1,200
Total Production	**495,848**	**357,585**	**323,985**	**221,721**	**434,094**
Value (Million Baht)	**173.5**	**125.2**	**113.4**	**77.6**	**151.9**
Consumption					
Total Consumption	**486,790**	**355,133**	**364,215**	**196,778**	**393,269**
Value (Million Baht)	**170.4**	**124.3**	**127.5**	**68.9**	**137.6**
Import[1]					
Total Import	**66,685**	**31,013**	**28,195**	**27,943**	**51,698**
Value (Million Baht)	**258.3**	**106.2**	**94.6**	**120.3**	**192.5**

1 data from 'www.customs.go.th'

G N E I S S

Tonnes

	2008	2009	2010	2011	2012
Production					
Central Region					
Prachuap Khiri Khan	-	-	-	60	140
Total Production	**-**	**-**	**-**	**60**	**140**
Value (Million Baht)	**-**	**-**	**-**	**0.2**	**0.6**
Consumption					
Total Consumption	**109**	**46**	**100**	**60**	**40**
Value (Million Baht)	**0.4**	**0.2**	**0.4**	**0.2**	**0.2**

G O L D

Gram

	2008	2009	2010	2011	2012
Production (Metal)					
Northern Region					
Phetchabun	283,190	1,747,780	1,236,195	1,197,788	3,486,881
Phichit	1,434,150	2,776,730	2,117,256	1,072,040	821,347
Northeastern Region					
Loei	1,003,806	341,623	692,116	590,401	586,793
Total Production	**2,721,146**	**4,866,133**	**4,045,567**	**2,860,229**	**4,895,021**
Value (Million Baht)	**2,541.1**	**5,235.0**	**5,023.0**	**4,425.4**	**8,119.9**
Export (Metal)					
Asia					
Hong Kong	2,721,146	4,866,133	4,045,567	2,860,229	4,895,021
Total Export	**2,721,146**	**4,866,133**	**4,045,567**	**2,860,229**	**4,895,021**
Value (Million Baht)	**2,541.1**	**5,235.0**	**5,023.0**	**4,425.4**	**8,119.9**

G R A N I T E

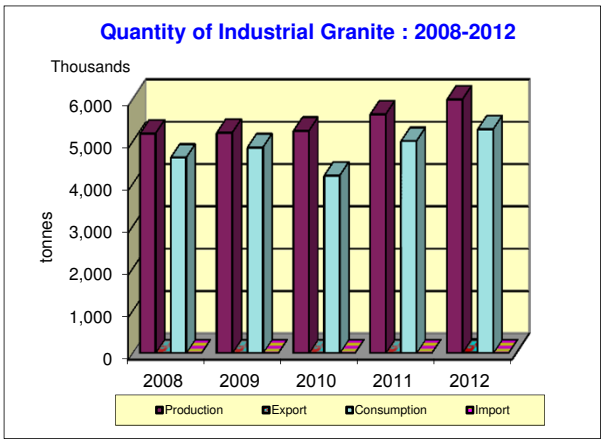
Tonnes

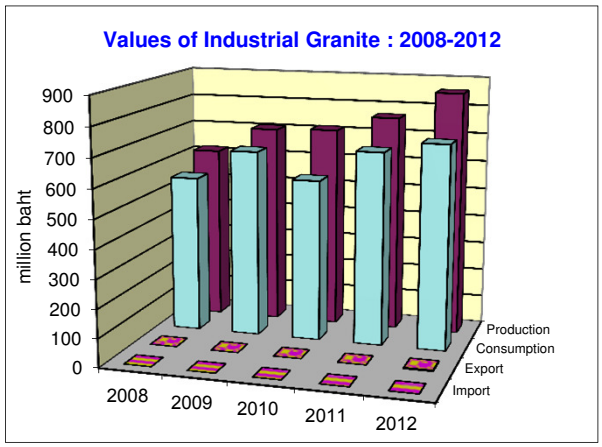
	2008	2009	2010	2011	2012
Production					
1. Dimension Stone*					
Northern Region					
Kamphaeng Phet	30	-	-	-	-
Nakhon Sawan	484	267	250	189	27
Phichit	10	15	66	50	5
Tak	6,148	4,780	4,303	4,164	4,000
Northeastern Region					
Loei	2,000	-	-	-	-
Central Region					
Cha Choeng Sao	503	500	500	450	459
Nakhon Nayok	20	-	40	20	-
Phetchaburi	500	-	-	-	-
Prachuap Khiri Khan	704	790	965	395	1,015
Ratchaburi	180	-	-	-	-
Total Production	**10,579**	**6,352**	**6,124**	**5,268**	**5,506**
Value (Million Baht)	**54.0**	**32.4**	**31.2**	**26.9**	**28.1**
2. Industrial Rock					
Northern Region					
Nakhon Sawan	-	22,000	-	-	-
Tak	116,500	66,900	116,800	106,200	97,100
Central Regrion					
Cha Chaeng Sao	158,720	88,580	81,640	131,240	108,600
Chon Buri	2,302,282	2,192,347	2,441,590	2,360,071	2,362,516
Kanchanaburi	-	4,000	-	-	6,000
Prachuap Khiri Khan	31,551	49,215	73,389	17,904	19,189
Rayong	1,265,476	1,427,747	975,723	1,285,870	1,909,800
Southern Region					
Nakhon Si Thammarat	16,030	20,000	-	-	-
Narathiwat	436,681	518,912	637,715	700,555	679,464
Phangnga	371,013	353,914	461,069	502,678	508,958
Songkhla	491,576	466,689	470,683	543,941	655,129
Total Production	**5,189,829**	**5,210,304**	**5,258,609**	**5,648,459**	**6,346,756**
Value (Million Baht)	**614.1**	**703.4**	**709.9**	**762.5**	**856.8**

* unit : cubic meter

Tonnes

	2008	2009	2010	2011	2012
Export					
Industrial Rock					
Asia					
Singapore	-	-	-	-	8,500
Total Export	**-**	**-**	**-**	**-**	**8,500**
Value (Million Baht)	**-**	**-**	**-**	**-**	**4.0**
Consumption					
1. Dimension Stone *	**7,628**	**6,102**	**6,053**	**6,069**	**5,383**
Value (Million Baht)	**38.9**	**31.1**	**30.9**	**30.9**	**27.5**
2. Industrial Rock	**4,620,994**	**4,865,279**	**4,199,593**	**5,013,445**	**5,293,829**
Value (Million Baht)	**551.5**	**656.8**	**566.9**	**676.8**	**714.7**
Import (Dimension Stone)[1]					
Total Import	**138,162**	**137,656**	**138,476**	**136,495**	**136,741**
Value (Million Baht)	**538.7**	**553.7**	**476.9**	**482.9**	**491.3**





* unit : cubic meter

1 data from 'www.customs.go.th'

G R A V E L

Tonnes

	2008	2009	2010	2011	2012
Export (Industrial Rock)					
Asia					
Malaysia	248	271	314	349	129
Singapore	584	650	624	336	360
Total Export	**832**	**921**	**938**	**685**	**489**
Value (Million Baht)	**3.3**	**3.6**	**2.9**	**2.0**	**1.9**

G R A Y W A C K E

Tonnes

	2008	2009	2010	2011	2012
Production (Industrial Rock)					
Central Region					
Chanthaburi	270,067	319,757	416,059	430,267	269,637
Trat	478,506	410,840	552,631	536,550	467,984
Total Production	**748,573**	**730,597**	**968,690**	**966,817**	**737,621**
Value (Million Baht)	**65.1**	**76.7**	**101.7**	**101.5**	**77.5**
Consumption (Industrial Rock)					
Total Consumption	**719,682**	**765,450**	**914,307**	**934,171**	**810,849**
Value (Million Baht)	**61.8**	**80.4**	**96.0**	**91.1**	**85.1**

G Y P S U M

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Nakhon Sawan	2,136,914	2,080,437	2,192,970	2,500,980	3,272,585
Phichit	332,730	246,847	455,466	424,874	22,308
Southern Region					
Nakhon Si Thammarat	2,192,358	1,695,715	1,602,656	1,730,224	1,946,534
Surat Thani	3,838,399	4,608,798	5,921,537	6,337,996	6,205,772
Total Production	**8,500,401**	**8,631,797**	**10,172,629**	**10,994,074**	**11,447,199**
Value (Million Baht)	**3,861.3**	**4,788.3**	**5,270.4**	**5,442.1**	**5,666.4**
Export					
1. Ground					
Asia					
Bangladesh	105	-	-	-	-
Japan	1,898	1,478	1,340	1,520	2,080
Malaysia	6,934	-	-	-	-
Myanmar	-	-	80	408	120
Taiwan	185	280	913	210	378
Australia / Oceania					
Australia	528	-	-	-	-
New Zealand	24	-	-	-	-
Total Export	**9,674**	**1,758**	**2,333**	**2,138**	**2,578**
Value (Million Baht)	**15.5**	**6.3**	**6.9**	**7.9**	**10.3**

Tonnes

	2008	2009	2010	2011	2012
2. Unground					
Asia					
Bangladesh	394,326	481,300	467,148	474,649	642,955
Brunei	14,000	15,650	15,950	15,400	15,700
Cambodia	36,600	36,500	36,000	56,000	86,780
China	11,000	6,020	6,020	11,400	26,028
India	572,112	935,845	1,186,080	1,303,811	865,895
Indonesia	1,261,382	1,193,925	1,357,778	1,611,060	1,879,282
Japan	794,083	706,336	572,500	997,701	929,600
Korea,South	66,480	46,500	65,600	92,860	108,500
Malaysia	1,127,599	967,168	1,070,470	1,165,757	1,284,704
Philippines	308,800	125,560	282,635	280,896	372,270
Singapore	5,000	4,100	4,500	11,000	5,000
Sri Lanka	103,750	50,470	92,720	118,350	137,020
Taiwan	209,600	99,200	184,100	58,300	-
Vietnam	1,083,460	1,295,070	1,587,766	1,528,624	1,602,887
Africa					
Cote d'Ivoire (Ivory Cote)	-	17,000	-	-	-
Madagascar	8,000	-	5,000	10,000	-
Reunion (La Reunion)	18,000	9,400	18,000	11,000	10,000
Tanzania	-	-	41,353	-	-
Australia / Oceania					
Australia	19,030	356	-	6,220	150,500
Total Export	**6,033,222**	**5,990,400**	**6,993,620**	**7,753,028**	**8,117,121**
Value(Million Baht)	**2,820.5**	**3,252.3**	**3,572.8**	**3,791.7**	**4,151.4**

Consumption

Total Consumption	**2,467,276**	**2,363,350**	**3,327,023**	**3,240,627**	**3,577,011**
Value (Million Baht)	**1,121.7**	**1,312.2**	**1,713.8**	**1,604.1**	**1,770.6**

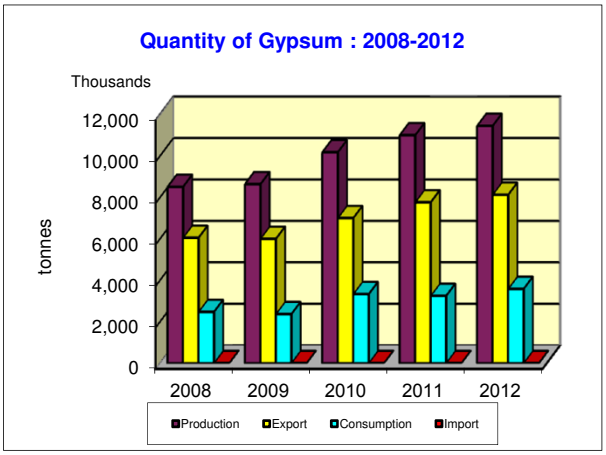
Import[1]

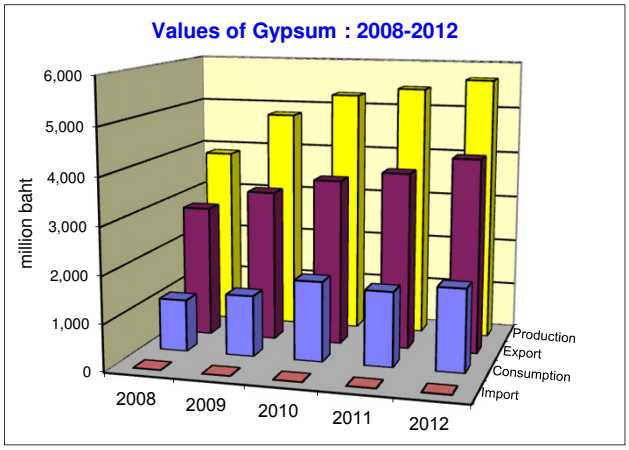
Total Import	**470**	**452**	**522**	**614**	**659**
Value (Million Baht)	**7.2**	**8.5**	**9.0**	**9.9**	**11.4**

1 data from 'www.customs.go.th'

Tonnes

	2008	2009	2010	2011	2012





I L M E N I T E

Tonnes

	2008	2009	2010	2011	2012
Export					
Asia					
China	850	210	-	4,278	970
India	-	-	-	46	-
Indonesia	-	-	-	-	10
Korea,South	10,053	-	-	5,911	-
Malaysia	500	-	-	930	422
Philippines	-	233	210	336	278
Total Export	**11,403**	**443**	**210**	**11,501**	**1,680**
Value (Million Baht)	**24.6**	**2.3**	**0.8**	**31.5**	**6.5**
Import[1]					
Total Import	**21,961**	**1,005**	**903**	**753**	**1,097**
Value (Million Baht)	**10.0**	**11.2**	**9.6**	**11.5**	**34.8**

1 data from 'www.customs.go.th'

I R O N

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Nakhon Sawan	44,700	25,000	-	4,400	33,500
Phayao	-	-	74,950	-	-
Phetchabun	18,500	-	7,000	7,952	20,900
Uthai Thani	43,490	10,430	31,000	5,200	-
Northeastern Region					
Loei	1,601,450	309,513	421,297	350,571	188,333
Central Region					
Cha Choeng Sao	1,610	120,456	30,000	-	3,000
Chon Buri	-	-	40,500	60,000	57,500
Lop Buri	-	123,000	101,000	-	-
Southern Region					
Nakhon Si Thammarat	-	28,000	271,190	61,236	-
Total Production	**1,709,750**	**616,399**	**976,937**	**489,359**	**303,233**
Value (Million Baht)	**2,113.2**	**756.0**	**1,360.0**	**903.8**	**751.7**
Export					
Asia					
China	875,678	200,150	321,950	390,580	161,139
Hong Kong	-	-	159,065	62,500	-
India	1,864	-	-	-	-
Singapore	-	-	20	-	-
Total Export	**877,542**	**200,150**	**481,035**	**453,080**	**161,139**
Value (Million Baht)	**1,027.4**	**306.4**	**452.3**	**510.7**	**532.3**
Consumption					
Total Consumption	**3,200**	**96,500**	**-**	**-**	**-**
Value (Million Baht)	**4.1**	**120.1**	**-**	**-**	**-**
Import[1]					
1.Iron Ore	**10,216**	**192,038**	**457,508**	**161,427**	**16,217**
Value (Million Baht)	**69.5**	**509.9**	**1,689.8**	**770.2**	**69.8**
2.Iron Pyrite	**243**	**189**	**314**	**230**	**299**
Value (Million Baht)	**4.5**	**3.4**	**4.2**	**3.1**	**3.5**

1 data from 'www.customs.go.th'

K A O L I N

Tonnes

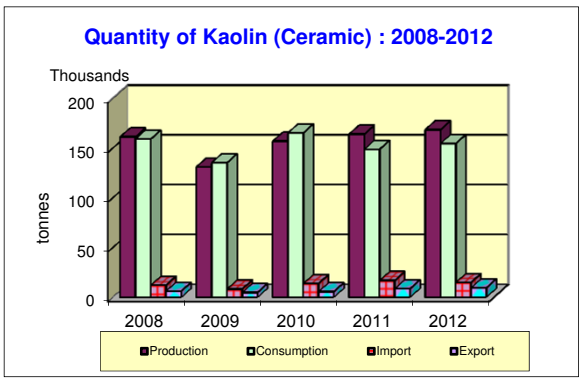
	2008	2009	2010	2011	2012
Production					
1. Kaolin (Washed)					
Northern Region					
Lampang	35,605	31,639	33,749	28,033	35,670
Central Region					
Phetchaburi	31,400	28,900	31,300	29,350	26,700
Ratchaburi	3,000	3,000	3,200	6,200	-
Southern Region					
Narathiwat	6,780	6,100	6,985	6,415	6,975
Ranong	84,430	61,492	81,593	93,884	99,119
Total Production	**161,215**	**131,131**	**156,827**	**163,882**	**168,464**
Value (Million Baht)	**154.8**	**125.9**	**150.6**	**157.3**	**161.7**
2. Kaolin (Unwashed)					
Northern Region					
Lampang	354,588	481,817	180,154	386,391	464,095
Uthai Thani	16,190	64,000	64,450	147,400	255,080
Uttaradit	4,650	5,250	7,100	92,900	21,000
Central Region					
Chanthaburi	352	6,262	28,190	50,335	-
Kanchanaburi	63,200	125,600	234,100	173,000	135,300
Lop Buri	23,000	9,300	51,000	68,300	80,500
Prachin Buri	8,981	16,517	18,000	14,000	18,300
Southern Region					
Nakhon Si Thammarat	8,482	-	-	-	-
Total Production	**479,443**	**708,746**	**582,994**	**932,326**	**974,275**
Value (Million Baht)	**184.6**	**272.9**	**224.5**	**358.9**	**375.1**

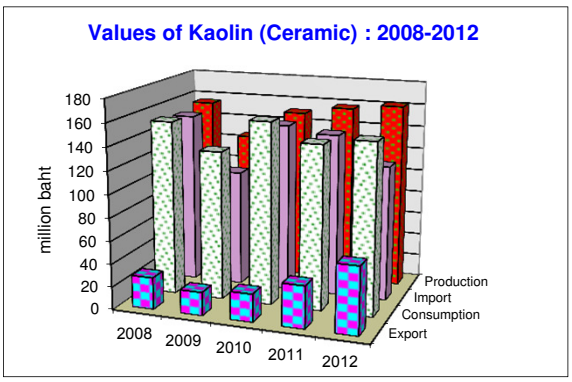
Tonnes

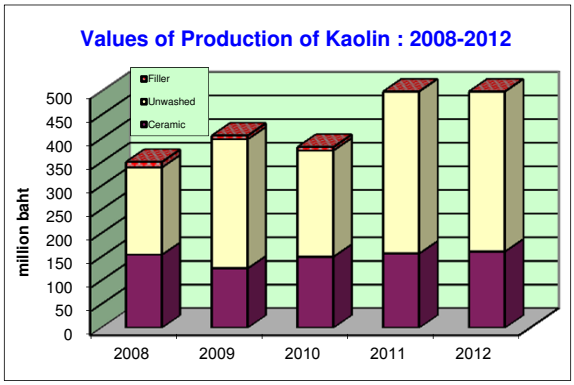
	2008	2009	2010	2011	2012
3. Kaolin (Filler)					
Northern Region					
Uttaradit	6,061	4,046	3,837	4,329	300
Total Production	**6,061**	**4,046**	**3,837**	**4,329**	**300**
Value (Million Baht)	**11.5**	**7.7**	**7.3**	**8.2**	**0.6**
Export					
1.Washed					
Asia					
Bangladesh	-	-	88	622	765
China	6	22	64	189	20
India	-	132	971	258	758
Indonesia	692	792	528	1,076	1,488
Korea,South	-	-	-	-	1
Malaysia	1,006	658	842	2,300	1,790
Myanmar	-	-	-	9	-
Pakistan	40	-	48	40	-
Philippines	368	192	240	398	506
Sri Lanka	48	48	-	-	-
Vietnam	4,041	3,058	2,848	3,744	4,140
Europe					
U.K	-	-	-	-	20
Total Export	**6,201**	**4,902**	**5,629**	**8,636**	**9,488**
Value (Million Baht)	**28.0**	**20.5**	**24.5**	**37.0**	**58.7**
2. Unwashed					
Asia					
Vietnam	22,100	4,200	-	21	-
Total Export	**22,100**	**4,200**	**-**	**21**	**-**
Value (Million Baht)	**16.2**	**0.1**	**-**	**0.1**	**-**

Tonnes

	2008	2009	2010	2011	2012
Consumption					
1. Washed	**159,059**	**135,265**	**165,187**	**148,741**	**154,594**
Value (Million Baht)	**152.7**	**129.9**	**158.6**	**142.8**	**148.4**
2. Unwashed	**460,689**	**471,121**	**404,635**	**634,639**	**962,495**
Value (Million Baht)	**175.9**	**181.4**	**155.8**	**244.3**	**370.6**
3. Filler	**6,111**	**3,774**	**3,837**	**4,029**	**300**
Value (Million Baht)	**11.6**	**7.2**	**7.3**	**7.7**	**0.6**
Import[1]					
1. Ceramic	**12,204**	**8,410**	**13,880**	**16,907**	**14,965**
Value (Million Baht)	**149.7**	**102.0**	**147.3**	**141.9**	**117.9**
2.]Paper	**11,989**	**4,534**	**5,918**	**4,423**	**4,404**
Value (Million Baht)	**105.0**	**54.9**	**62.5**	**42.7**	**41.1**
3. Others	**59,004**	**68,336**	**65,956**	**65,691**	**68,868**
Value (Million Baht)	**468.2**	**405.7**	**536.9**	**543.5**	**663.2**







1 data from 'www.customs.go.th'

L E A D

Tonnes

	2008	2009	2010	2011	2012
Import (Lead Ore)[1]					
Total Import	**26**	**0.2**	**283**	**32**	**2**
Value (Million Baht)	**0.4**	**0.0***	**5.5**	**0.7**	**0.0***

0.0* denoting the amount of less than 0.05 million baht

1 data from 'www.customs.go.th'

L E U C O X E N E

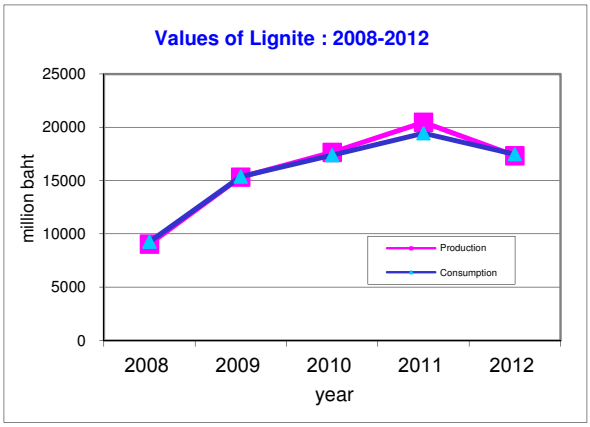
Tonnes

	2008	2009	2010	2011	2012
Export					
Asia					
China	1	1,512	1,224	-	-
India	-	426	256	448	-
Indonesia	24	-	273	299	1
Iran	210	-	-	648	-
Japan	-	-	-	-	21
Korea, South	21	-	-	539	556
Malaysia	-	-	-	357	84
Philippines	-	-	24	383	1,102
Taiwan	-	207	24	63	-
Africa					
Tunisia	132	160	-	-	72
Europe					
Iceland	-	-	-	336	-
Turkey	64	292	216	671	561
Total Export	**452**	**2,597**	**2,017**	**3,744**	**2,397**
Value (Million Baht)	**5.8**	**33.7**	**33.3**	**65.3**	**60.3**
Import[1]					
Total Import	**7,371**	**4,535**	**8,080**	**3,389**	**3,461**
Value (Million Baht)	**165.5**	**122.9**	**215.2**	**104.6**	**265.6**

L I G N I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Lampang	17,746,871	17,576,961	18,165,299	20,881,950	17,778,246
Lamphun	133,531	181,900	160,600	352,960	145,433
Phayao	191,725	-	-	-	-
Tak	-	-	73,500	92,196	145,749
Southern Region					
Krabi	23,248	-	-	-	-
Total Production	**18,095,375**	**17,758,861**	**18,399,399**	**21,327,106**	**18,069,428**
Value (Million Baht)	**9,047.7**	**15,334.8**	**17,663.4**	**20,474.0**	**17,346.7**
Consumption					
Total Consumption	**18,531,550**	**17,842,528**	**18,117,685**	**20,256,989**	**18,198,546**
Value (Million Baht)	**9,265.8**	**15,376.6**	**17,393.0**	**19,446.7**	**17,470.6**
Import[1]					
Total Import	**6**	**23**	**79**	**15**	**481**
Value (Million Baht)	**0.1**	**0.5**	**1.2**	**0.3**	**16.2**



1 data from 'www.customs.go.th'

L I M E S T O N E

Tonnes

	2008	2009	2010	2011	2012
Production					
1. Cement Industry					
Northern Region					
Lampang	1,253,296	1,424,530	2,236,129	2,224,080	2,489,710
Nakhon Sawan	543,059	152,688	-	-	-
Northeastern Region					
Nakhon Ratchasima	55,813	34,018	36,674	30,926	14,950
Central Region					
Phetchaburi	572,482	41,270	340,471	530,319	399,205
Sara Buri	45,788,896	49,302,757	52,226,265	53,156,082	55,771,160
Southern Region					
Nakhon Si Thammarat	6,623,185	5,893,231	6,609,103	7,066,604	7,159,780
Total Production	**54,836,731**	**56,848,494**	**61,448,642**	**63,008,011**	**65,834,805**
Value (Million Baht)	**5,587.1**	**6,821.8**	**7,373.8**	**7,561.0**	**7,900.2**
2. Other Industries					
Northern Region					
Lampang	1,442,318	1,374,735	1,380,000	1,625,812	1,593,150
Northeastern Region					
Nakhon Ratchasima	18,000	21,937	80,832	62,365	94,636
Central Region					
Kanchanaburi	1,760	310	900	1,900	3,700
Sara Buri	2,516,060	2,143,932	2,243,644	2,594,355	3,357,937
Southern Region					
Surat Thani	98,896	-	-	-	-
Total Production	**4,077,034**	**3,540,914**	**3,705,376**	**4,284,432**	**5,049,423**
Value (Million Baht)	**411.7**	**424.9**	**444.6**	**514.1**	**605.9**
3. Dimension Stone					
Northern Region					
Kamphaeng Phet	-	1,820	-	-	-
Nan	60	80	-	-	-
Central Region					
Sara Buri	34	41	34	27	60
Total Production	**94**	**1,941**	**34**	**27**	**60**
Value (Million Baht)	**0.2**	**3.9**	**0.1**	**0.1**	**0.1**

Tonnes

	2008	2009	2010	2011	2012
4. Construction					
Northern Region					
Chiang Mai	1,808,243	652,600	1,306,313	1,538,608	2,051,300
Chiang Rai	519,500	1,012,145	985,120	1,677,070	1,981,480
Kamphaeng Phet	260,194	256,259	337,724	932,462	543,321
Lampang	686,441	1,364,858	866,873	668,317	900,995
Lamphun	1,123,179	972,689	973,310	689,283	450,210
Nakhon Sawan	1,940,248	2,260,398	3,489,484	2,699,768	2,775,065
Nan	235,000	270,450	442,000	118,412	254,131
Phayao	746,082	1,523,214	445,071	294,686	872,735
Phetchabun	1,609,653	1,839,752	2,051,249	1,575,687	1,893,858
Phitsanulok	507,000	-	103,329	245,946	316,912
Phrae	418,937	287,023	310,314	204,856	244,191
Sukhothai	964,013	574,074	988,388	1,036,475	1,150,233
Tak	328,478	309,843	320,136	348,950	653,220
Uthai Thani	165,536	254,424	342,787	284,061	427,766
Uttaradit	516,135	458,958	556,589	169,871	-
Northeastern Region					
Khon Kaen	3,451,228	3,765,780	3,910,720	5,779,595	3,063,236
Loei	1,354,600	2,026,854	2,156,224	2,594,267	2,898,620
Nakhon Ratchasima	2,088,308	1,945,352	2,390,503	2,536,384	2,309,724
Nong Bua Lamphu	1,219,832	1,285,852	1,197,510	1,235,802	1,218,982
Udon Thani	323,118	441,600	368,712	200,000	279,100
Central Region					
Chai Nai	111,056	24,165	34,013	50,643	113,220
Chanthaburi	183,437	101,055	101,908	120,659	173,001
Chon Buri	9,358,385	8,124,039	7,610,566	9,457,415	9,079,492
Kanchanaburi	1,594,622	1,043,583	1,650,047	1,745,124	1,331,891
Lop Buri	714,152	917,772	658,671	947,000	695,500
Phetchaburi	368,474	604,721	1,018,488	1,623,957	1,442,057
Prachin Buri	594,263	319,214	100,079	283,021	327,710
Prachuap Khiri Khan	1,061,118	796,928	1,154,890	1,124,612	1,274,998
Ratchaburi	4,878,213	4,663,175	2,918,732	2,890,462	3,729,490
Rayong	627,245	630,230	617,715	476,980	546,496
Sa Kaeo	245,528	240,974	261,662	228,366	503,182
Sara Buri	10,442,197	10,648,244	9,488,282	11,458,877	11,624,816
Suphan Buri	8,937,564	9,108,539	10,891,410	11,556,842	12,444,394

Tonnes

	2008	2009	2010	2011	2012
Southern Region					
Chumphon	677,383	1,438,316	553,707	866,189	828,599
Krabi	1,035,333	612,929	744,135	713,672	631,279
Nakhon Si Thammarat	3,976,845	3,828,089	3,687,151	4,233,315	4,590,647
Phangnga	714,667	686,536	613,557	492,617	529,880
Phatthalung	143,313	155,323	204,008	423,487	-
Satun	869,094	282,500	511,526	761,762	1,015,576
Songkhla	967,080	1,254,452	506,550	696,840	440,383
Surat Thani	3,331,752	1,479,692	2,218,459	2,319,260	2,333,327
Trang	595,022	757,565	316,540	397,929	407,544
Yala	726,925	970,478	429,569	580,891	886,714
Total Production	**72,419,391**	**70,190,643**	**69,834,022**	**78,280,420**	**79,235,275**
Value (Million Baht)	**6,204.9**	**7,370.0**	**7,332.6**	**8,219.4**	**8,319.7**

Export

1. Construction

Asia					
Bangladesh	-	30,900	53,737	22,000	40,900
Cambodia	2,960	600	-	-	-
India	1,157,099	1,186,826	202,750	213,183	153,192
Laos	105	-	-	-	-
Malaysia	3,600	-	-	-	-
Singapore	-	-	-	-	87,164
Vietnam	-	-	60	-	-
Taiwan	-	-	-	27,700	38,500
Australia / Oceania					
New Caledonia	-	-	-	66,859	-
New Zealand	7	-	-	-	-
Europe					
Germany	-	3	1	1	9
Total Export	**1,163,771**	**1,218,329**	**256,548**	**329,743**	**319,765**
Value (Million Baht)	**460.0**	**487.7**	**88.5**	**132.1**	**110.6**

Tonnes

	2008	2009	2010	2011	2012
2. Other Industries					
Asia					
Brunei	-	-	-	1	-
Cambodia	-	2,254	1,560	1,146	834
China	-	-	-	-	22
India	-	300	-	-	-
Indonesia	-	-	-	-	3,123
Japan	4	-	-	-	-
Jordan	-	-	-	22	21
Laos	-	-	-	-	440
Malaysia	-	1	-	-	-
Myanmar	1	0.3	-	56	33
Taiwan	460	-	-	-	-
Vietnam	4	11	5	-	-
Africa					
Nigeria	-	-	2	-	-
South Africa	5	59	-	-	-
Australia / Oceania					
Australia	-	45	120	241	384
French Polynesia	24	-	-	-	-
Europe					
Denmark	-	-	-	2	-
Germany	-	-	-	11	1
Total Export	**498**	**2,669**	**1,687**	**1,479**	**4,859**
Value (Million Baht)	**1.3**	**4.3**	**3.5**	**3.4**	**15.0**

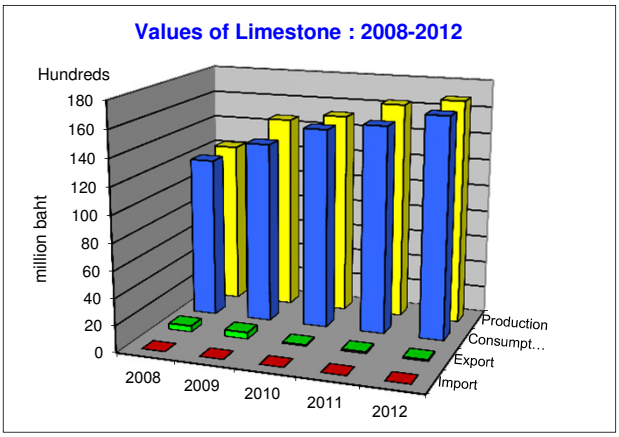
Consumption

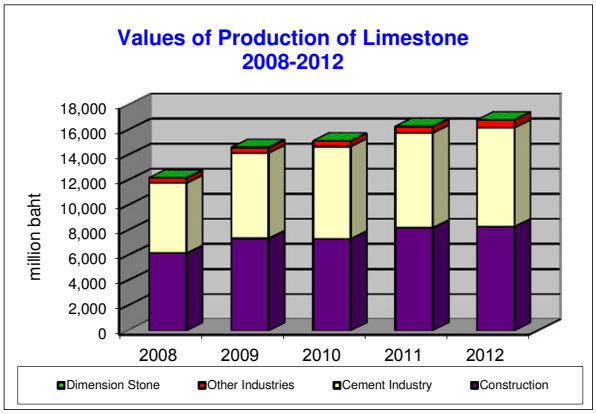
1. Cement Industry	**55,969,381**	**54,882,205**	**60,614,383**	**62,530,873**	**63,783,890**
Value (Million Baht)	**5,712.2**	**6,585.9**	**7,273.7**	**7,503.7**	**7,654.1**
2. Construction	**68,801,246**	**62,552,086**	**69,205,206**	**71,141,814**	**78,234,119**
Value (Million Baht)	**5,896.6**	**6,567.9**	**7,266.5**	**7,469.9**	**8,214.6**
3. Dimension Stone	**34**	**41**	**34**	**12**	**60**
Value (Million Baht)	**0.1**	**0.1**	**0.1**	**0.0***	**0.1**
4. Other Industries	**3,908,735**	**3,266,563**	**3,383,776**	**4,304,560**	**5,137,747**
Value (Million Baht)	**394.8**	**392.0**	**406.1**	**516.6**	**616.5**

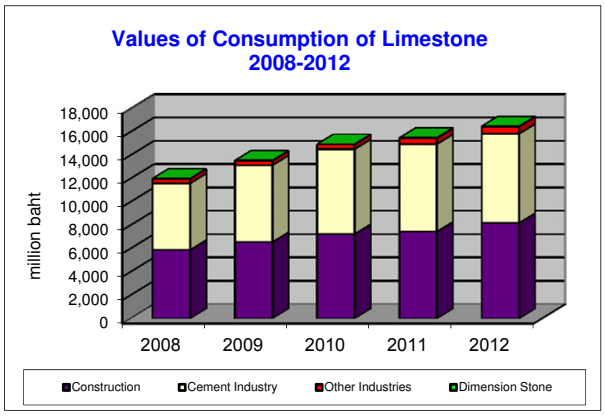
0.0* denoting the amount of less than 0.05 million baht

Tonnes

	2008	2009	2010	2011	2012
Import[1]					
Total Import	**2,072**	**4,045**	**76**	**16**	**1**
Value (Million Baht)	**2.2**	**3.8**	**2.4**	**0.1**	**0.2**







1 data from 'www.customs.go.th'

M A N G A N E S E

Tonnes

	2008	2009	2010	2011	2012
Production					
Metallurgical grade					
Northern Region					
Chiang Mai	-	23,500	1,650	-	-
Chiang Rai	500	16,430	17,800	398	8,151
Lamphun	-	25,000	31,000	-	-
Northeastern Region					
Loei	110,500	-	-	-	-
Total Production	**111,000**	**64,930**	**50,450**	**398**	**8,151**
Value (Million Baht)	**112.3**	**187.5**	**146.3**	**1.2**	**30.4**
Export					
Metallurgical grade					
Asia					
Bangladesh	-	-	1,234	2,860	-
China	70	19,055	57,075	16,381	12,375
India	-	-	1,389	-	100
Indonesia	-	-	-	-	300
Jordan	-	-	-	-	50
Malaysia	-	-	1	-	-
Total Export	**70**	**19,055**	**59,699**	**19,241**	**12,825**
Value (Million Baht)	**0.1**	**56.6**	**754.0**	**63.0**	**51.4**
Consumption					
Total Consumption	**10,425**	**11,500**	**54,415**	**-**	**1,118**
Value (Million Baht)	**10.6**	**33.4**	**157.8**	**-**	**4.3**
Import[1]					
Total Import	**694**	**50**	**4,530**	**18,633**	**24,282**
Value (Million Baht)	**9.5**	**1.6**	**17.8**	**42.8**	**52.8**

1 data from 'www.customs.go.th'

M A R B L E

Cubic metre

	2008	2009	2010	2011	2012
Production					
1. Dimension Stone					
Northern Region					
Kamphaeng Phet	3,716	-	2,469	320	-
Lampang	974	1,140	-	-	-
Nakhon Sawan	60	-	25	10	10
Sukhothai	1,759	2,303	2,229	1,403	769
Uttaradit	-	-	835	-	-
Northeastern Region					
Nakhon Ratchasima	101	903	779	421	668
Central Region					
Kanchanaburi	-	30	-	-	-
Lop Buri	-	-	-	10	500
Sara Buri	4,405	6,460	5,760	5,510	5,275
Total Production	**11,015**	**10,836**	**12,097**	**7,674**	**7,222**
Value (Million Baht)	**40.7**	**40.1**	**44.8**	**28.4**	**26.7**
2. Fragment					
Northern Region					
Kamphaeng Phet	120,455	152,306	215,284	139,353	-
Lampang	-	-	-	-	-
Lamphun	-	-	-	-	38,503
Sukhothai	4,598	21,795	-	5,308	14,000
Tak	41,137	42,803	73,773	105,219	-
Uttaradit	-	4,000	750	99,697	252,144
Central Region					
Lop Buri	-	-	-	200	-
Sara Buri	487,725	503,476	477,330	151,786	-
Total Production	**653,915**	**724,380**	**767,137**	**501,563**	**304,647**
Value (Million Baht)	**147.1**	**163.0**	**249.3**	**163.0**	**99.0**

Cubic metre

	2008	2009	2010	2011	2012
Consumption					
1. Dimension Stone	**10,590**	**68,994**	**182,996**	**128,512**	**26,457**
Value (Million Baht)	**39.1**	**255.3**	**677.1**	**475.5**	**97.9**
2. Fragment	**628,165**	**851,561**	**1,078,912**	**535,439**	**221,766**
Value (Million Baht)	**141.3**	**191.6**	**350.6**	**174.0**	**72.1**
Import[1]					
Total Import	**39,215**	**39,806**	**45,010**	**49,532**	**44,094**
Value (Million Baht)	**301.0**	**313.4**	**322.0**	**364.0**	**386.5**

1 data from 'www.customs.go.th'

M A R L

Tonnes

	2008	2009	2010	2011	2012
Production					
Central Region					
Sara Buri	41,720	98,000	68,000	65,000	100,000
Total Production	**41,720**	**98,000**	**68,000**	**65,000**	**100,000**
Value (Million Baht)	**3.5**	**8.3**	**5.8**	**5.5**	**8.5**
Consumption					
Total Consumption	**41,900**	**86,550**	**69,550**	**69,000**	**113,100**
Value (Million Baht)	**3.6**	**7.4**	**5.9**	**5.9**	**9.6**

M I C A

Tonnes

	2008	2009	2010	2011	2012
Import[1]					
Total Import	**4,904**	**2,991**	**5,504**	**4,860**	**4,577**
Value (Million Baht)	**107.2**	**80.7**	**125.3**	**128.8**	**140.7**

1 data from 'www.customs.go.th'

M O N A Z I T E

Tonnes

	2008	2009	2010	2011	2012
Export					
Asia					
China	4,615	6,510	9,345	4,328	-
India	-	105	-	-	-
Korea, South	120	60	60	-	-
Laos	-	-	-	760	-
Malaysia	-	-	-	-	200
Philippines	84	-	-	-	-
Taiwan	-	-	-	-	-
Total Export	**4,819**	**6,675**	**9,405**	**5,088**	**200**
Value (Million Baht)	**97.4**	**180.8**	**284.3**	**171.6**	**10.4**

P E R L I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Central Region					
Lop Buri	7,000	13,500	14,700	26,500	41,400
Total Production	**7,000**	**13,500**	**14,700**	**26,500**	**41,400**
Value (Million Baht)	**4.9**	**9.5**	**10.4**	**18.7**	**29.2**
Consumption					
Total Consumption	**16,625**	**11,350**	**11,634**	**13,796**	**12,687**
Value (Million Baht)	**11.7**	**8.0**	**8.2**	**9.7**	**7.7**

P H O S P H A T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Kamphaeng Phet	-	-	822	-	-
Lamphun	925	50	34,210	3,020	-
Central Region					
Kanchanaburi	300	-	-	-	1,740
Phetchaburi	2,250	608	751	280	250
Total Production	**3,475**	**658**	**35,783**	**3,300**	**1,990**
Value (Million Baht)	**1.4**	**0.3**	**14.9**	**1.4**	**0.8**
Consumption					
Total Consumption	**2,475**	**12,506**	**2,316**	**344**	**1,799**
Value (Million Baht)	**1.0**	**5.2**	**1.0**	**0.1**	**0.7**
Import[1]					
1. Ground	**10,530**	**11,670**	**356**	**71**	**-**
Value (Million Baht)	**46.2**	**66.6**	**3.0**	**0.7**	**-**
2. Unground	**-**	**-**	**11,000**	**1**	**-**
Value (Million Baht)	**-**	**-**	**25.0**	**0.1**	**-**

1 data from 'www.customs.go.th'

P Y R O P H Y L L I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Central Region					
Sara Buri	106,600	124,384	2,205	5,300	35,000
Total Production	**106,600**	**124,384**	**2,205**	**5,300**	**35,000**
Value (Million Baht)	**37.3**	**43.5**	**0.8**	**1.9**	**12.3**
Export					
Asia					
Indonesia	2,813	1,500	880	5,812	3,856
Malaysia	69	103	198	52	20
Vietnam	2,800	1,040	1,500	3,300	2,100
Total Export	**5,682**	**2,643**	**2,578**	**9,164**	**5,976**
Value (Million Baht)	**16.0**	**8.6**	**7.2**	**25.2**	**16.3**
Consumption					
Total Consumption	**84,336**	**5,630**	**2,205**	**5,300**	**33,000**
Value (Million Baht)	**29.5**	**2.0**	**0.8**	**1.9**	**11.6**

Q U A R T Z

Tonnes

	2008	2009	2010	2011	2012
Production					
1. Ground					
Northern Region					
Tak	2,290	2,144	2,994	3,046	3,040
Total Production	**2,290**	**2,144**	**2,994**	**3,046**	**3,040**
Value (Million Baht)	**1.7**	**1.6**	**2.2**	**2.3**	**2.3**
2. Unground					
Central Region					
Kanchanaburi	500	10,180	38,870	116,710	107,700
Phetchaburi	500	-	-	-	-
Prachuap Khiri Khan	-	-	-	1,500	4,500
Southern Region					
Nakhon Si Thammarat	-	630	2,200	2,100	-
Total Production	**1,000**	**10,810**	**41,070**	**120,310**	**112,200**
Value (Million Baht)	**0.8**	**8.1**	**30.8**	**90.2**	**84.2**
3. Industrial Rock					
Central Region					
Kanchanaburi	-	-	5,000	-	-
Southern Region					
Songkhla	-	-	-	29,220	289,560
Total Production	**-**	**-**	**5,000**	**29,220**	**289,560**
Value (Million Baht)	**-**	**-**	**0.5**	**3.1**	**30.4**
Export					
Ground					
Asia					
Taiwan	-	300	-	-	-
Total Export	-	**300**	-	-	-
Value (Million Baht)	-	**1.1**	-	-	-

Tonnes

	2008	2009	2010	2011	2012
Consumption					
1. Ground	**2,410**	**2,494**	**2,908**	**4,706**	**3,237**
Value (Million Baht)	**1.8**	**1.9**	**2.2**	**3.5**	**2.4**
2. Unground	**100**	**4,250**	**29,433**	**64,300**	**47,190**
Value (Million Baht)	**0.1**	**3.2**	**22.1**	**48.2**	**35.4**
3. Industrial Rock	-	-	**200**	**15,576**	**194,460**
Value (Million Baht)	-	-	**0.0***	**1.6**	**20.4**
Import[1]					
Total Import	**1,884**	**2,595**	**2,572**	**3,127**	**3,082**
Value (Million Baht)	**8.4**	**10.9**	**23.5**	**14.0**	**15.6**

0.0* denoting the amount of less than 0.05 million baht

1 data from 'www.customs.go.th'

R H Y O L I T E

Tonnes

	2008	2009	2010	2011	2012
Production					
Central Region					
Sara Buri	288,056	217,462	313,631	562,314	794,226
Total Production	**288,056**	**217,462**	**313,631**	**562,314**	**794,226**
Value (Million Baht)	**25.9**	**22.8**	**32.9**	**59.0**	**83.4**
Consumption					
Total Consumption	**274,627**	**243,270**	**334,891**	**647,913**	**609,717**
Value (Million Baht)	**25.4**	**25.5**	**35.2**	**68.0**	**64.0**

ROCK SALT

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Nakhon Ratchasima	1,211,581	1,376,037	1,405,406	1,359,493	1,363,539
Total Production	**1,211,581**	**1,376,037**	**1,405,406**	**1,359,493**	**1,363,539**
Value (Million Baht)	**1,301.7**	**1,513.6**	**1,545.9**	**1,495.4**	**1,499.9**
Consumption					
Total Consumption	**1,200,901**	**1,380,363**	**1,396,015**	**1,351,073**	**1,344,162**
Value (Million Baht)	**1,292.2**	**1,518.4**	**1,535.6**	**1,486.2**	**1,478.6**
Import[1]					
Total Import	**700**	**2**	**1**	**5**	**-**
Value (Million Baht)	**10.9**	**0.0***	**0.0***	**0.1**	**-**

0.0* denoting the amount of less than 0.05 million baht

1 data from 'www.customs.go.th'

R U T I L E

Tonnes

	2008	2009	2010	2011	2012
Export					
Asia					
China	-	24	504	1,242	10
India	105	1,039	210	-	-
Indonesia	-	46	-	-	-
Iran	462	-	96	48	93
Japan	88	-	-	-	-
Korea, South	-	41	-	-	-
Malaysia	-	-	24	305	-
Pakistan	-	100	-	-	-
Philippines	-	84	651	577	-
Europe					
Netherlands	-	132	-	-	-
Turkey	-	651	813	428	-
Ukraine	-	-	-	115	514
Total Export	**655**	**2,117**	**2,298**	**2,715**	**617**
Value (Million Baht)	**8.8**	**28.7**	**38.5**	**53.2**	**21.2**
Import[1]					
Total Import	**6,779**	**7,331**	**7,276**	**6,684**	**5,492**
Value (Million Baht)	**94.4**	**68.5**	**77.9**	**181.5**	**460.1**

1 data from 'www.customs.go.th'

S A N D S T O N E

Tonnes

	2008	2009	2010	2011	2012
Production					
1. Dimension Stone					
Northern Region					
Nakhon Ratchasima	500	670	2,642	2,883	1,498
Total Production	**500**	670	2,642	2,883	1,498
Value (Million Baht)	**0.3**	**0.5**	**1.8**	**2.0**	**1.0**
2. Industrial Rock					
Southern Region					
Phangnga	136,325	116,885	127,625	127,450	228,131
Satun	-	-	50,861	180,720	167,549
Total Production	**136,325**	**116,885**	**178,486**	**308,170**	**395,680**
Value (Million Baht)	**10.3**	**11.7**	**17.9**	**30.8**	**39.6**
Consumption					
1. Dimension Stone	**500**	**640**	**2,642**	**2,883**	**1,498**
Value (Million Baht)	**0.3**	**0.4**	**1.8**	**2.0**	**1.0**
2. Industrial Rock	**136,325**	**116,885**	**187,048**	**301,811**	**322,860**
Value (Million Baht)	**10.3**	**11.7**	**18.7**	**30.2**	**32.3**
Import[1]					
Dimension Stone	**939**	**738**	**0****	**-**	**-**
Value (Million Baht)	**9.2**	**12.0**	**0.0***	**-**	**-**

0** denoting the amount of less than 0.1 tonnes

0.0* denoting the amount of less than 0.05 million baht

1 data from 'www.customs.go.th'

S H A L E

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Lampang	35,652	46,737	-	-	1,147
Central Region					
Sara Buri	3,991,222	3,720,054	4,180,593	4,593,446	4,754,237
Total Production	**4,026,874**	**3,766,791**	**4,180,593**	**4,593,446**	**4,755,384**
Value (Million Baht)	**427.9**	**470.9**	**522.6**	**574.2**	**594.4**
Consumption					
Total Consumption	**3,912,722**	**4,078,561**	**4,126,822**	**4,343,767**	**4,698,855**
Value (Million Baht)	**425.2**	**509.8**	**515.9**	**543.0**	**587.4**

S I L V E R

Gram

	2008	2009	2010	2011	2012
Production					
Northern Region					
Phetchabun	881,000	5,640,670	7,072,696	10,075,526	26,193,636
Phichit	4,490,630	10,562,930	10,359,768	9,245,833	5,631,776
Northeastern Region					
Loei	93,849	59,818	126,009	134,533	221,389
Total Production	**5,465,479**	**16,263,418**	**17,558,473**	**19,455,892**	**32,046,801**
Value (Million Baht)	**91.4**	**264.0**	**359.3**	**661.7**	**988.4**
Export					
Asia					
Hong Kong	5,465,479	16,263,418	17,558,473	19,456,075	32,046,801
Total Export	**5,465,479**	**16,263,418**	**17,558,473**	**19,456,075**	**32,046,801**
Value (Million Baht)	**91.4**	**263.9**	**359.3**	**661.7**	**988.4**
Import[1]					
Total Import	**13**	**13**	**25**	**19**	**-**
Value (Million Baht)	**0.6**	**0.6**	**1.3**	**1.7**	**-**

1 data from 'www.customs.go.th'

S T R U V E R I T E

Tonnes

	2008	2009	2010	2011	2012
Export					
Asia					
China	40	-	276	642	410
Total Export	**40**	**-**	**276**	**642**	**410**
Value (Million Baht)	**4.7**	**-**	**26.7**	**71.1**	**39.0**

T A L C

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Uttaradit	3,264	504	672	2,304	5,856
Total Production	**3,264**	**504**	**672**	**2,304**	**5,856**
Value (Million Baht)	**2.0**	**0.3**	**0.4**	**1.4**	**3.5**
Consumption					
Total Consumption	**3,249**	**488**	**647**	**3,024**	**5,732**
Value (Million Baht)	**2.0**	**0.3**	**0.4**	**1.8**	**3.4**
Import[1]					
Total Import	**116,906**	**100,919**	**135,219**	**126,254**	**138,694**
Value (Million Baht)	**1,033.8**	**5,089.2**	**1,452.9**	**1,380.8**	**1,786.2**

1 data from 'www.customs.go.th'

T A N T A L U M

Tonnes

	2008	2009	2010	2011	2012
Export					
1. Columbium Pentoxide Powder					
Asia					
China	-	-	-	**150**	-
Total Export	**-**	**-**	**-**	**150**	**-**
Value (Million Baht)	**-**	**-**	**-**	**15.7**	**-**
Import (Tantalite)[1]					
Total Import	**11,043**	**-**	**-**	**483**	**652**
Value (Million Baht)	**91.8**	**-**	**-**	**946.8**	**675.3**

1 data from 'www.customs.go.th'

T I N

Tonnes

	2008	2009	2010	2011	2012
Production					
1. Production of Tin Concentrates by changwat					
Northern Region					
Chiang Mai	183	105	216	228	154
Central Region					
Kanchanaburi	11	14	5	5	13
Phetchaburi	-	6	10	8	-
Southern Region					
Ranong	41	42	60	45	32
Total Production	**235**	**167**	**292**	**286**	**199**
Value (Million Baht)	**104.7**	**57.3**	**134.3**	**172.0**	**94.1**
2. Production of Tin Concentrates by Mining Methods.					
Open Pitting	194	126	231	241	167
Dulang Washing	41	42	60	45	32
Total Production	**235**	**168**	**291**	**286**	**199**
3. Percentage of Tin Production by Mining Methods.					
Open Pitting	82.5	74.9	79.4	84.3	83.9
Dulang Washing	17.5	25.1	20.6	15.7	16.1
4. Production of Primary Tin Metal					
Total Production	**21,618**	**19,248**	**23,319**	**23,714**	**22,797**
Value (Million Baht)	**13,388.6**	**8,835.4**	**15,116.9**	**19,042.1**	**15,012.7**

Tonnes

	2008	2009	2010	2011	2012
Export					
1. Primary Tin Metal					
Africa					
Egypt	-	4	5	-	-
Guinea	-	-	-	204	-
South Africa	-	-	-	-	125
U.A.E	-	-	5	-	-
Asia					
China	40	260	80	200	519
Hong Kong	171	1,385	80	50	51
India	20	620	120	255	585
Japan	10,705	6,299	13,952	10,156	9,524
Korea, South	1,916	893	1,334	1,181	2,673
Malaysia	1,060	791	521	184	140
Philippines	55	2	31	6	10
Singapore	812	4,785	1,595	4,000	134
Taiwan	150	351	353	393	361
Vietnam	155	-	-	-	-
Australia / Oceania					
Australia	102	312	190	498	213
New Zealand	-	-	-	6	-
Europe					
Austria	-	-	50	178	-
Belgium	31	20	20	122	158
France	41	10	-	-	120
Germany	101	26	394	1,400	484
Italy	483	571	125	-	50
Netherlands	1,279	306	21	-	1,975
Switzerland	-	-	25	1,125	-
Turkey	250	25	-	-	25
U.K.	20	3	462	57	301
North America					
U.S.A.	16	-	-	-	2,180
Total Export	**17,407**	**16,661**	**19,363**	**20,015**	**19,628**
Value (Million Baht)	**10,939.1**	**7,890.1**	**12,694.3**	**16,387.6**	**13,248.0**

Tonnes

	2008	2009	2010	2011	2012
2. Tin-Lead Alloy					
Asia					
Hong Kong	-	22	14	-	-
Malaysia	-	21	-	-	-
Europe					
Belgium	-	-	22	37	55
Total Export	**-**	**43**	**36**	**37**	**55**
Value (Million Baht)	**-**	**17.1**	**19.7**	**33.8**	**30.5**
3. Final Slag					
Asia					
China	934	1,910	1,271	50	57
Total Export	**934**	**1,910**	**1,271**	**50**	**57**
Value (Million Baht)	**93.1**	**157.0**	**105.6**	**3.7**	**6.4**
4. Metallic Residue					
Asia					
Japan	-	-	-	-	20
Total Export	**-**	**-**	**-**	**-**	**20**
Value (Million Baht)	**-**	**-**	**-**	**-**	**12.5**
5. Tin Slag					
Asia					
China	-	-	-	74	-
Total Export	**-**	**-**	**-**	**74**	**-**
Value (Million Baht)	**-**	**-**	**-**	**4.4**	**-**

Tonnes

	2008	2009	2010	2011	2012
6. Hard Head					
Africa					
U.A.E	-	-	-	-	86
Asia					
China	114	-	-	-	-
Malaysia	23	-	-	-	-
Europe					
Belgium	1,000	1,357	1,389	297	280
U.K.	20	-	-	-	-
South America					
Peru	170	-	-	-	-
Total Export	**1,327**	**1,357**	**1,389**	**297**	**366**
Value (Million Baht)	**403.0**	**271.3**	**422.3**	**138.5**	**164.5**
7. Tin Dross					
Asia					
Saudi Arabia	-	-	-	22	-
U.A.E.	-	-	39	86	-
Europe					
Belgium	-	-	20	-	39
Total Export	**-**	**-**	**59**	**108**	**39**
Value (Million Baht)	**-**	**-**	**24.8**	**48.0**	**13.9**
Consumption					
1. Primary Tin Metal	**4,080**	**2,603**	**3,707**	**3,321**	**3,321**
Value (Million Baht)	**2,525.9**	**1,216.5**	**2,346.8**	**2,648.3**	**2,176.1**
2. Tin-lead Alloy	**684**	**697**	**1,037**	**985**	**833**
Value (Million Baht)	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**
Import[1]					
Tin ore	**18,771**	**17,985**	**3,432**	**2,716**	**2,842**
Value (Million Baht)	**5,865.6**	**4,272.0**	**685.0**	**257.2**	**397.0**

1 data from 'www.customs.go.th'

T R A V E R T I N E

Tonnes

	2008	2009	2010	2011	2012
Production					
Central Region					
Sara Buri	3,640	2,910	1,760	900	900
Total Production	**3,640**	**2,910**	**1,760**	**900**	**900**
Value (Million Baht)	**7.3**	**5.8**	**3.5**	**1.8**	**1.8**
Consumption					
Total Consumption	**3,280**	**2,910**	**1,720**	**900**	**900**
Value (Million Baht)	**6.6**	**5.8**	**3.4**	**1.8**	**1.8**
Import[1]					
Total Import	**-**	**0.1**	**0.1**	**0.1**	**0****
Value (Million Baht)	**-**	**0.0***	**0.0***	**0.1**	**0.0***

0** denoting the amount of less than 0.1 tonnes
0.0* denoting the amount of less than 0.05 million baht
1 data from 'www.customs.go.th'

T U N G S T E N

Tonnes

		2008	2009	2010	2011	2012
1. Wolfram						
Production						
Northern Region						
Phrae		368	200	320	146	-
	Low grade	530	-	256	-	-
Central Region						
Kanchanaburi		-	-	4.5	7.3	2.5
Phetchaburi		15	0**	1.9	0.3	-
Total Production		**383**	**200**	**326.4**	**153.6**	**2.5**
	Low grade	**530**	**-**	**256**	**-**	**-**
Value (Million Baht)		**38.1**	**19.9**	**32.4**	**15.3**	**0.2**
	Low grade	**14.6**	**-**	**7.0**	**-**	**-**
Export						
Asia						
China		550	160	320	204	-
Europe						
Germany		-	-	20	-	-
North America						
U.S.A.		-	-	7	-	-
Total Export		**550**	**160**	**347**	**204**	**-**
Value (Million Baht)		**198.9**	**47.3**	**2.3**	**3.1**	**-**
Import[1]						
Total Import		**-**	**8**	**7**	**39**	**21**
Value (Million Baht)		**-**	**0.7**	**0.1**	**2.9**	**1.8**

0** denoting the amount of less than 0.1 tonnes

1 data from 'www.customs.go.th'

Tonnes

	2008	2009	2010	2011	2012
2. Scheelite					
Production					
Northern Region					
Chiang Mai	199	150	129	138	130
Total Production	**199**	**150**	**129**	**138**	**130**
Value (Million Baht)	**19.8**	**14.9**	**12.8**	**13.7**	**12.9**
Export					
Asia					
China	-	-	-	19	-
Hong Kong	-	-	-	-	17
Vietnam	-	-	-	19	21
Europe					
Austria	-	-	-	-	43
North America					
U.S.A.	163	122	116	122	135
Total Export	**163**	**122**	**116**	**160**	**216**
Value (Million Baht)	**55.6**	**46.6**	**43.9**	**46.5**	**22.0**
3. Other Tungsten					
Import[1]					
Total Import	**-**	**-**	**0****	**0****	**0****
Value (Million Baht)	**-**	**-**	**0.0***	**0.0***	**0.0***

0** denoting the amount of less than 0.1 tonnes

0.0* denoting the amount of less than 0.05 million baht

1 data from 'www.customs.go.th'

X E N O T I M E

Tonnes

	2008	2009	2010	2011	2012
Export					
Asia					
China	-	-	42	21	-
Korea, South	-	-	-	-	-
Total Export	**-**	**-**	**42**	**21**	**-**
Value(Million Baht)	**-**	**-**	**0.1**	**1.9**	**-**

Z I N C

Tonnes

	2008	2009	2010	2011	2012
Production					
Northern Region					
Tak	118,739	183,288	146,470	148,391	166,642
Total Production	**118,739**	**183,288**	**146,470**	**148,391**	**166,642**
Value (Million Baht)	**1,394.6**	**2,056.1**	**2,099.2**	**2,006.3**	**2,102.8**
Export					
1. Zinc Metal					
Africa					
Nigeria	-	-	-	13	35
Asia					
Cambodia	-	-	-	51	20
China	909	6,574	-	-	-
Hong Kong	1,362	121	-	-	-
India	-	122	1	-	250
Indonesia	661	609	7	7	8
Japan	-	-	-	982	41
Korea, South	-	2,420	302	-	80
Laos	50,237	121	273	374	-
Malaysia	3,055	637	1	2,023	1,271
Myanmar	62,639	40	615	-	1,342
Saudi Arabia	-	4,023	-	-	-
Singapore	242	919	-	2,407	331
Sri Lanka	24,946	-	-	-	-
Taiwan	4,347	-	-	-	2
Vietnam	316	3,362	3,322	4,678	3,758
Europe					
Italy	-	-	-	20	-
Total Export	**148,714**	**18,947**	**4,522**	**10,555**	**7,138**
Value (Million Baht)	**666.9**	**911.2**	**329.1**	**714.5**	**441.1**

Tonnes

	2008	2009	2010	2011	2012
2. Zinc Alloy					
Africa					
Nigeria	-	-	-	62	-
Asia					
Cambodia	120	22	18	0.4	-
Japan	-	-	-	21	-
Malaysia	55	-	-	-	41
Auatralia / Oceania					
Australia	-	-	96	59	55
Total Export	**175**	**22**	**114**	**142**	**96**
Value (Million Baht)	**8.1**	**1.9**	**6.6**	**10.5**	**5.2**
Consumption					
1. Zinc Alloy	**26,814**	**24,045**	**30,873**	**8,970**	**-**
Value (Million Baht)	**1,995.7**	**1,517.6**	**2,380.1**	**714.5**	**-**
2. Zinc Metal	**57,902**	**55,817**	**61,142**	**80,601**	**86,695**
Value (Million Baht)	**4,068.6**	**3,205.9**	**4,390.3**	**5,631.4**	**5,447.6**
Import[1]					
Zinc Ore	**193,809**	**148,441**	**174,586**	**125,818**	**139,625**
Value (Million Baht)	**3,499.3**	**1,845.4**	**3,781.4**	**3,273.4**	**3,090.1**

1 data from 'www.customs.go.th'

Z I R C O N

Tonnes

	2008	2009	2010	2011	2012
Export					
Asia					
China	8,868	10,420	7,512	11,064	4,882
India	-	16	-	-	-
Philippines	21	21	64	-	-
Taiwan	-	-	-	138	240
Total Export	**8,889**	**10,457**	**7,576**	**11,202**	**5,122**
Value(Million Baht)	**121.0**	**165.9**	**133.3**	**277.3**	**176.9**
Import[1]					
Total Import	**48,724**	**18,138**	**47,451**	**46,633**	**12,334**
Value (Million Baht)	**623.9**	**266.8**	**493.1**	**1,351.6**	**615.0**

1 data from 'www.customs.go.th'

NUMBER OF ACTIVE MINES BY KIND OF MINERALS

	2008	2009	2010	2011	2012
Andesite	2	2	2	2	3
Antimony	-	1	2	2	2
Ball clay	17	17	11	7	6
Barite	3	4	4	4	4
Basalt (industrial rock)	28	30	31	29	26
Bentonite	1	1	1	1	1
Calcite	7	8	7	6	6
Cement clay	45	47	37	31	4
Ceramic clay	16	17	14	10	2
Diatomite	2	2	2	1	1
Dolomite	19	16	17	18	22
Feldspar	26	25	23	22	23
Fluorite	4	5	4	4	3
Gem stone	2	1	1	-	-
Glass sand	12	13	12	11	9
Gneiss	1	1	1	1	1
Gold	4	4	4	4	4
Granite (dimension stone)	32	33	30	28	23
Granite (industrial rock)	22	19	19	18	17
Graywacke	1	1	1	1	1
Gypsum	42	45	48	49	47
Iron	8	10	10	9	13
Kaolin	38	32	33	34	31
Lignite	9	9	9	8	8
Limestone (cement)	20	18	19	18	15
Limestone (construction)	203	195	179	186	190
Limestone (dimension)	3	3	3	3	4
Limestone (others)	21	21	18	19	19
Manganese	2	3	2	3	3
Marble	37	31	32	25	19
Marl	3	4	4	3	3

NUMBER OF ACTIVE MINES BY KIND OF MINERALS

	2008	2009	2010	2011	2012
Perlite	2	2	2	2	2
Phosphate	2	2	2	2	1
Pyrophyllite	4	3	2	2	3
Quartz	1	2	2	4	7
Quartz (industrial rock)	-	1	1	-	-
Rhyolite (industrial rock)	1	1	1	1	1
Rock salt	3	4	4	4	4
Sand stone (dimension)	11	10	8	7	7
Sand stone (industrial rock)	2	2	2	2	3
Shale	6	7	7	7	7
Talc	2	1	1	1	1
Tin*	6	5	5	5	3
Travertine	4	4	4	3	3
Wolfram	2	1	1	1	1
Zinc	1	1	1	1	1
Total	677	664	623	599	554

* Including tin-tungsten mines

NUMBER OF WORKERS EMPLOYED IN MINES BY KIND OF MINERAL

	2008	2009	2010	2011	2012
Andesite	43	43	35	33	30
Antimony	-	7	11	13	21
Ball clay	222	200	161	141	283
Barite	40	71	97	68	55
Basalt (industrial rock)	542	580	709	626	554
Bentonite	12	12	12	11	12
Calcite	83	111	120	89	93
Cement clay	216	261	272	233	35
Ceramic clay	63	90	89	60	17
Diatomite	7	9	5	4	4
Dolomite	278	243	249	257	284
Feldspar	365	357	327	330	324
Fluorite	160	186	145	108	95
Gem stone	42	15	9	-	-
Glass sand	68	64	61	43	30
Gneiss	7	7	7	7	7
Gold	225	207	224	229	213
Granite (dimension)	420	392	338	310	251
Granite (industrial rock)	351	316	314	310	340
Graywacke	23	24	29	31	29
Gypsum	1,017	1017	1024	1008	1017
Iron	192	342	337	267	353
Kaolin	458	348	353	380	361
Lignite	2,530	2087	1967	1967	1954
Limestone (cement)	967	1021	1288	1263	1170
Limestone (construction)	3,885	3626	3032	3233	3399
Limestone (dimension)	25	25	25	25	30
Limestone (others)	372	354	287	316	361
Manganese	24	41	27	24	12
Marble	665	594	561	390	298
Marl	17	23	20	19	16

NUMBER OF WORKERS EMPLOYED IN MINES BY KIND OF MINERAL

	2008	2009	2010	2011	2012
Perlite	28	29	31	28	31
Phosphate	32	22	26	45	59
Pyrophyllite	52	34	23	24	35
Quartz	19	30	31	61	103
Quartz (industrial rock)	-	27	27	-	-
Rhyolite (industrial rock)	43	43	43	43	43
Rock salt	122	124	127	125	128
Sand stone (dimension)	60	55	53	45	42
Sand stone (industrial rock)	28	30	25	25	39
Shale	118	132	140	85	85
Talc	9	6	6	6	8
Tin*	251	283	313	282	269
Travertine	24	22	17	18	19
Wolfram	18	15	15	15	125
Zinc	364	362	292	301	298
Dulang Washer	285	321	209	188	266
Total	14,772	14,208	13,513	13,086	13,198

* Including workers employed in tin-tungsten mines

Mineral Production of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Mineral Fuels and Energy										
Lignite	18,095,375	9,047.7	17,758,861	15,334.8	18,399,399	17,663.4	21,327,106	20,474.0	18,069,428	17,346.7
Total		9,047.7		15,334.8		17,663.4		20,474.0		17,346.7
%		23.34		29.21		30.98		34.22		28.31
Iron and Ferro Alloy										
Iron ore	1,709,750	2,113.2	616,399	756.0	976,937	1,360.0	489,359	903.7	303,233	751.7
Manganese (metallurgical grade)	111,000	112.3	64,930	187.5	50,450	146.3	398	1.2	8,151	30.4
Tungsten										
- Scheelite	199	19.8	150	14.9	129	12.8	138	13.7	130	12.9
- Wolfram	383	38.1	200	19.9	326	32.4	154	15.3	3	0.2
- Low grade	530	14.6	-	-	256	7.0	-	-	-	-
Total		2,298.0		978.3		1,558.5		933.9		795.2
%		5.93		1.86		2.73		1.56		1.30
Base Metals										
Antimony										
- Low grade	-	-	-	-	-	-	172	n.a.	43	n.a.
- Ore	-	-	35	1.0	738	21.3	56	1.6	-	-
Copper metal	1	0.1	0	0.0**	723	168.5	525	146.4	721	186.5
Tin concentrates	235	104.7	167	57.3	292	134.3	286	172.0	199	94.0
Zinc ore	118,739	1,394.6	183,288	2,056.1	146,470	2,099.2	148,391	2,006.3	166,642	2,102.8
Total		1,499.4		2,114.4		2,423.3		2,326.3		2,383.3
%		3.87		4.03		4.25		3.89		3.89

Mineral Production of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Precious Metals and Precious Stone										
Gem stone (unit : gram)	6,381	n.a.	570	n.a.	240	n.a.	-	-	-	-
Gold metal (unit : gram)	2,721,146	2,541.1	4,866,133	5,235.0	4,045,567	5,023.0	2,860,229	4,425.4	4,895,021	8,119.9
Silver metal (unit : gram)	5,465,479	91.4	16,263,418	264.0	17,558,473	359.3	19,455,892	661.7	32,046,801	988.4
Total		2,632.5		5,499.0		5,382.3		5,087.1		9,108.3
%		6.79		10.48		9.44		8.50		14.87
Cement Industrial Minerals										
Anhydrite	488,681	221.2	633,820	350.2	536,120	279.3	614,148	304.0	857,172	424.3
Cement Clay	3,753,617	337.8	4,894,329	440.5	8,250,823	742.6	8,571,884	771.5	6,007,039	540.6
Gypsum (unground)	8,500,401	3,861.3	8,631,797	4,788.3	10,172,629	5,270.4	10,994,074	5,442.1	11,447,199	5,666.4
Limestone	54,836,731	5,587.1	56,848,493	6,821.8	61,448,642	7,373.8	63,008,011	7,561.0	65,834,804	7,900.2
Marl	41,720	3.5	98,000	8.3	68,000	5.8	65,000	5.5	100,000	8.5
Shale	4,026,874	427.9	3,766,791	470.9	4,180,593	522.6	4,593,446	574.2	4,755,384	594.4
Total		10,438.8		12,880.0		14,194.5		14,658.3		15,134.4
%		26.93		24.54		24.89		24.50		24.70
Ceramic Industrial Minerals										
Ball clay	1,499,993	825.0	2,312,625	1,271.9	1,513,767	832.6	425,048	233.8	447,348	246.0
Ceramic Clay	341,227	187.7	272,464	149.9	929,162	511.0	404,129	222.3	60,327	33.2
Dolomite	1,353,763	473.8	1,964,410	687.5	2,451,990	858.2	2,556,765	894.9	2,608,997	913.1
Feldspar										
- Potassium (ground)	123	0.3	120	0.3	-	-	-	-	-	-
- Potassium (unground)	423	0.7	9,772	16.6	9,060	15.4	139,169	236.6	5,710	9.7

Mineral Production of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Ceramic Industrial Minerals										
Feldspar										
- Sodium (ground)	3,191	4.5	65	0.1	120	0.2	-	-	-	-
- Sodium (unground)	666,881	466.8	708,735	496.1	632,720	442.9	901,983	631.4	1,095,013	766.5
Glass sand	495,848	173.6	357,585	125.2	323,985	113.4	221,721	77.6	434,094	151.9
Kaolin										
- Filler	6,061	11.5	4,046	7.7	3,837	7.3	4,329	8.2	300	0.6
- Unwashed	479,443	184.6	708,746	272.9	582,994	224.5	932,326	358.9	974,275	375.1
- Washed	161,215	154.8	131,131	125.9	156,827	150.6	163,881	157.3	168,464	161.7
Quartz										
- Ground	2,290	1.7	2,144	1.6	2,994	2.2	3,046	2.3	3,040	2.3
- Unground	1,000	0.8	10,810	8.1	41,070	30.8	120,310	90.2	112,200	84.2
Total		2,485.8		3,163.8		3,189.1		2,913.5		2,744.3
%		6.41		6.03		5.59		4.87		4.48
Dimension Stone										
Gneiss	-	-	-	-	-	-	60	0.2	140	0.6
Granite	10,579*	54.0	6,352*	32.4	6,123*	31.2	5,267*	26.9	5,505*	28.1
Limestone	94	0.2	1,941	3.9	34	0.1	27	0.1	60	0.1
Marble	11,015*	40.7	10,836*	40.1	12,097*	44.8	7,674*	28.4	7,222*	26.7
Sandstone	500	0.3	670	0.5	2,642	1.8	2,883	2.0	1,498	1.0
Travertine	3,640	7.3	2,910	5.8	1,760	3.5	900	1.8	900	1.8
Total		102.5		82.7		81.4		59.4		58.3
%		0.26		0.16		0.14		0.10		0.10

Mineral Production of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Industrial Rock										
Andesite	1,000,992	114.2	930,655	125.6	1,209,235	163.2	945,587	127.7	1,009,690	136.3
Basalt	8,877,552	1,026.9	10,521,955	1,420.5	12,489,201	1,686.0	11,318,212	1,528.0	10,712,823	1,446.2
Granite	5,189,829	614.1	5,210,304	703.4	5,258,609	709.9	5,648,459	762.5	6,346,756	856.8
Graywacke	748,573	65.1	730,597	76.7	968,690	101.7	966,817	101.5	737,621	77.5
Limestone	72,419,391	6,204.9	70,190,643	7,370.0	69,834,022	7,332.6	78,280,420	8,219.4	79,235,275	8,319.7
Marble (fragment)	653,915*	147.1	724,380*	163.0	767,137*	249.3	501,563*	163.0	304,647*	99.0
Perlite	7,000	4.9	13,500	9.5	14,700	10.4	26,500	18.7	41,400	29.2
Quartz	-	-	-	-	5,000	0.5	29,220	3.1	289,560	30.4
Rhyolite	288,056	25.9	217,462	22.8	313,631	32.9	562,314	59.0	794,226	83.4
Sandstone	136,325	10.3	116,885	11.7	178,486	17.9	308,170	30.8	395,680	39.6
Total		8,213.4		9,903.2		10,304.4		11,013.7		11,118.1
%		21.18		18.87		18.07		18.41		18.15
Other Industrial Minerals										
Barite										
- Chemical grade (ground)	2,480	14.5	1,985	11.6	3,865	22.6	2,403	14.1	3,301	19.3
- Drilling mud (ground)	-	-	-	-	-	-	-	-	14,200	55.3
- Unground	6,700	9.9	49,910	74.1	29,600	44.0	65,300	96.9	46,998	69.8
Bentonite	210	0.1	110	0.1	130	0.1	55,220	33.1	141,000	84.6
Calcite	823,706	162.3	544,019	107.2	693,754	136.7	786,250	154.9	865,800	170.6
Diatomite	4,075	3.7	5,600	5.0	7,100	6.4	38,130	34.3	8,500	7.7

Mineral Production of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Other Industrial Minerals										
Fluorite (metallurgical grade)	26,118	106.2	86,365	351.1	2,222	9.0	5,093	20.7	9,602	50.8
Limestone	4,077,034	411.7	3,540,914	424.9	3,705,376	444.6	4,284,432	514.1	5,049,423	605.9
Phosphate	3,475	1.4	658	0.3	35,783	14.9	3,300	1.4	1,990	0.8
Pyrophyllite	106,600	37.3	124,384	43.5	2,205	0.8	5,300	1.9	35,000	12.3
Rock salt	1,211,581	1,301.7	1,376,037	1,513.6	1,405,406	1,545.9	1,359,493	1,495.4	1,363,539	1,499.9
Talc (unground)	3,264	2.0	504	0.3	672	0.4	2,304	1.4	5,856	3.5
Total		2,050.8		2,531.7		2,225.4		2,368.2		2,580.5
%		5.29		4.82		3.90		3.96		4.21
Grand Total		**38,768.9**		**52,487.9**		**57,022.3**		**59,834.4**		**61,269.1**

*:- n.a. = not available :- * = Cubic Meter :- 0.0** = denoting the amount of less than 0.05 million baht*

Mineral Export of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Iron and Ferro Alloy										
Columbium pentoxide powder	-	-	-	-	-	-	150	15.7	-	-
Iron ore	877,542	1,027.4	200,150	306.4	481,035	452.3	453,080	510.7	161,139	532.3
Manganese (metallurgical grade)	70	0.1	19,055	56.6	59,699	754.0	19,241	63.0	12,825	51.4
Tungsten										
- Scheelite	163	55.6	122	46.6	116	43.9	160	46.5	216	22.0
- Wolfram	550	198.9	160	47.3	347	2.3	204	3.1	-	-
Total		1,282.0		456.9		1,252.5		639.0		605.7
%		6.2		2.2		4.8		2.2		2.0
Base Metals										
Antimony ore	253	5.1	539	7.5	1,748	32.8	7,381	142.4	6,268	124.3
Copper										
- Metal	1	0.1	0*	0.0**	723	168.5	525	146.4	721	186.5
- Dross	-	-	86	14.6	44	14.7	-	-	-	-
- Powder	-	-	-	-	4	1.2	2	0.7	-	-
Tin										
- Tin dross	-	-	-	-	59	24.8	108	48.0	39	13.9
- Final slag	934	93.1	1,910	157.0	1,271	105.6	50	3.7	57	6.4
- Hard head	1,327	403.0	1,357	271.3	1,389	422.3	297	138.5	366	164.5
- Tin metal	17,407	10,939.1	16,661	7,890.1	19,363	12,694.3	20,015	16,387.6	19,628	13,248.0
- Metallic residue	-	-	-	-	-	-	-	-	20	12.5
- Tin-lead alloy	-	-	43	17.1	36	19.7	37	33.8	55	30.5
- Tin slag	-	-	-	-	-	-	74	4.4	-	-

Mineral Export of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Base Metals										
Zinc										
- Zinc alloy	175	8.1	22	1.9	114	6.6	142	10.5	96	5.2
- Zinc metal	148,714	666.9	18,947	911.2	4,522	329.1	10,555	714.5	7,137	441.1
Total		12,115.4		9,270.7		13,819.6		17,630.5		14,232.9
%		58.5		45.4		53.3		60.3		47.4
Precious Metals and Precious Stone										
Garnet	-	-	-	-	-	-	-	-	23	0.1
Gold metal (unit : gram)	2,721,146	2,527.7	4,866,133	5,234.9	4,045,567	5,022.9	2,860,229	4,425.4	4,895,021	8,119.9
Silver metal (unit : gram)	5,433,094	91.0	16,263,418	263.9	17,558,473	359.3	19,455,892	661.7	32,046,801	988.4
Total		2,618.7		5,498.8		5,382.2		5,087.1		9,108.4
%		12.7		26.9		20.8		17.4		30.3
Light Metals and Rare Earth										
Ilmenite	11,403	24.6	443	2.3	210	0.8	11,501	31.5	1,680	6.5
Leucoxene	452	5.8	2,597	33.7	2,017	33.3	3,744	65.3	2,397	60.3
Monazite	4,819	97.4	6,675	180.8	9,405	284.3	5,088	171.6	200	10.4
Rutile	655	8.8	2,117	28.7	2,298	38.5	2,715	53.2	617	21.2
Struverite	40	4.7	-	-	276	26.7	642	71.1	410	39.0
Xenotime	-	-	-	-	42	0.1	21	1.9	-	-
Zircon	8,889	121.0	10,457	165.9	7,576	133.3	11,202	277.3	5,122	176.9
Total		262.3		411.4		517.0		671.9		314.3
%		1.3		2.0		2.0		2.3		1.1

Mineral Export of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Cement Industrial Minerals										
Anhydrite										
- Unground	589,227	276.4	533,820	291.2	600,990	308.7	704,550	344.0	788,906	401.3
- Ground	460	1.5	160	0.5	200	0.6	120	0.4	300	1.1
Gypsum										
- Ground	9,674	15.5	1,758	6.3	2,333	6.9	2,138	7.9	2,578	10.3
- Unground	6,033,222	2,820.5	5,990,400	3,252.3	6,993,620	3,572.8	7,753,028	3,791.7	8,117,121	4,151.4
Total		3,113.9		3,550.3		3,889.0		4,144.0		4,564.1
%		15.0		17.4		15.0		14.2		15.2
Ceramic Industrial Minerals										
Ball clay	29,772	111.7	25,743	122.5	30,316	146.3	15,205	68.6	13,591	66.9
Dolomite										
- Ground	1,630	4.3	1,644	1.4	102	0.5	89	0.4	165	0.7
- Unground	702,546	201.6	840,208	264.5	1,368,198	410.9	1,181,260	343.8	1,003,160	313.0
Feldspar										
- Potassium (ground)	-	-	-	-	-	-	72	0.2	-	-
- Sodium (ground)	413,914	330.8	376,003	289.1	383,181	317.6	608,297	449.0	717,565	603.0
- Sodium (unground)	156,571	106.2	-	-	66,300	50.9	8,200	3.6	-	-
Kaolin										
- Unwashed	22,100	16.2	4,200	0.1	-	-	21	0.1	-	-
- Washed	6,201	28.0	4,902	20.5	5,629	24.5	8,636	37.0	9,488	58.7
Quartz (ground)	-	-	300	1.1	-	-	-	-	-	-
Total		798.8		699.2		950.7		902.7		1,042.3
%		3.9		3.4		3.7		3.1		3.5

Mineral Export of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Industrial Rock										
Granite (industrial rock)	-	-	-	-	-	-	-	-	8,500	4.0
Gravel (industrail rock)	832	3.3	921	3.6	938	2.9	685	2.0	489	1.9
Limestone (industrial rock-construction)	1,163,771	460.0	1,218,329	487.7	256,548	88.5	329,743	132.1	319,765	110.6
Total		463.3		491.3		91.4		134.1		116.5
%		2.2		2.4		0.4		0.5		0.4
Other Industrial Minerals										
Barite chemical grade (ground)	7,023	31.2	17,008	34.4	12	0.1	2,952	24.0	4,091	39.9
Fluorite (metallurgical grade)	-	-	-	-	-	-	-	-	26	0.2
Limestone (industrial rock-others)	498	1.3	2,669	4.3	1,687	3.5	1,479	3.4	4,859	15.0
Pyrophyllite	5,682	16.0	2,643	8.6	2,578	7.2	9,164	25.2	5,976	16.3
Total		48.5		47.3		10.8		52.6		71.4
%		0.2		0.2		0.0**		0.2		0.2
Grand Total		**20,702.9**		**20,425.9**		**25,913.2**		**29,261.9**		**30,055.6**

:- 0 = denoting the amount of less than 0.1 metric tonnes :- 0.0** = denoting the amount of less than 0.05 million baht*

Mineral Consumption of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Mineral Fuels and Energy										
Lignite	18,531,550	9,265.8	17,842,528	15,376.6	18,117,685	17,393.0	20,256,989	19,446.7	18,198,546	17,470.6
Total		9,265.8		15,376.6		17,393.0		19,446.7		17,470.6
%		25.20		35.60		33.86		36.24		34.69
Iron and Ferro Alloy										
Iron ore	3,200	4.1	96,500	120.1	-	-	-	-	-	-
Manganese (metallurgical grade)	10,425	10.6	11,500	33.4	54,415	157.8	-	-	1,118	4.3
Total		14.7		153.5		157.8		-		4.3
%		-		0.36		0.31		-		-
Base Metals										
Antimony ore	-	-	-	-	56	1.2	-	-	-	-
Copper metal	419	109.6	441	76.9	833	193.5	1,824	515.3	1,128	289.9
Tin										
- Tin metal	4,080	2,525.9	2,603	1,216.5	3,707	2,346.8	3,321	2,648.3	3,321	2,176.1
- Tin-lead alloy	684	n.a.	697	n.a.	1,037	n.a.	985	n.a.	833	n.a.
Zinc										
- Zinc alloy	26,814	1,995.7	24,045	1,517.6	30,873	2,380.1	8,970	714.5	-	-
- Zinc metal	57,902	4,068.6	55,817	3,205.9	61,142	4,390.3	80,601	5,631.4	86,695	5,447.6
Total		8,699.8		6,016.9		9,311.9		9,509.5		7,913.6
%		23.66		13.93		18.13		17.72		15.71

Mineral Consumption of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Precious Metals and Precious Stone										
Gem stone (unit : gram)	6,378	n.a.	610	n.a.	240	n.a.	-	-	-	-
Total		n.a.		n.a.		n.a.		-		-
%		-		-		-		-		-
Cement Industrial Minerals										
Anhydrite	13,748	6.1	-	-	32,634	16.5	3,240	1.6	25,150	12.4
Cement clay (industeial rock)	3,692,042	332.3	4,876,744	438.9	6,833,705	615.0	6,525,005	587.3	1,622,039	145.9
Gypsum (unground)	2,467,276	1,121.7	2,363,350	1,312.2	3,327,023	1,713.8	3,240,627	1,604.1	3,577,011	1,770.6
Limestone	55,969,381	5,712.2	54,882,205	6,585.9	60,614,383	7,273.7	62,530,873	7,503.7	63,783,890	7,654.1
Marl	41,900	3.6	86,550	7.4	69,550	5.9	69,000	5.9	113,100	9.6
Shale	3,912,722	425.2	4,078,561	509.8	4,126,822	515.9	4,343,767	543.0	4,698,855	587.4
Total		7,601.1		8,854.2		10,140.8		10,245.6		10,180.0
%		20.67		20.50		19.74		19.09		20.21
Ceramic Industrial Minerals										
Ball clay	262,598	144.4	221,472	121.8	253,292	139.3	324,283	178.4	227,150	124.9
Ceramic clay	135,241	74.4	226,849	124.8	233,286	128.3	276,466	152.1	67,847	37.3
Dolomite	669,702	234.4	786,973	275.4	722,216	252.8	1,194,362	418.0	970,750	339.8
Feldspar										
- Potassium (ground)	45	0.1	52	0.1	-	-	-	-	-	-
- Potassium (unground)	1,004	1.7	2,906	4.9	3,330	5.7	13,935	23.7	2,618	4.5
- Sodium (ground)	201,745	282.4	170,723	239.0	171,233	239.7	165,403	231.6	162,716	227.8
- Sodium (unground)	90,205	63.1	139,750	97.8	239,877	167.9	214,211	150.0	175,272	122.7

Mineral Consumption of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Ceramic Industrial Minerals										
Glass sand	486,790	170.4	355,133	124.3	364,215	127.5	196,778	68.9	393,269	137.6
Kaolin										
- Filler	6,111	11.6	3,774	7.2	3,837	7.3	4,029	7.7	300	0.6
- Unwashed	460,689	175.9	471,121	181.4	404,635	155.8	634,639	244.3	962,495	370.6
- Washed	159,059	152.7	135,265	129.9	165,187	158.6	148,741	142.8	154,594	148.4
Quartz										
- Ground	2,410	1.8	2,494	1.9	2,908	2.2	4,706	3.5	3,237	2.4
- Unground	100	0.1	4,250	3.2	29,433	22.1	64,300	48.2	47,190	35.4
Total		1,313.0		1,311.7		1,407.2		1,669.2		1,552.0
%		3.57		3.04		2.74		3.11		3.08
Dimension Stone										
Gneiss	109	0.4	46	0.2	100	0.4	60	0.2	40	0.2
Granite	7,628*	38.9	6,102*	31.1	6,053*	30.9	6,069*	30.9	5,383*	27.5
Limestone	34	0.1	41	0.1	34	0.1	12	0.0**	60	0.1
Marble	10,590*	39.1	68,994*	255.3	182,996*	677.1	128,512*	475.5	26,457*	97.9
Sand stone	500	0.3	640	0.4	2,642	1.8	2,883	2.0	1,498	1.0
Travertine	3,280	6.6	2,910	5.8	1,720	3.4	900	1.8	900	1.8
Total		85.4		292.9		713.7		510.4		128.5
%		0.23		0.68		1.39		0.95		0.26

Mineral Consumption of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Industrial Rock										
Andesite	980,541	112.2	765,806	103.4	1,230,985	166.2	799,192	107.9	918,429	123.9
Basalt	8,736,654	1,010.7	10,878,292	1,468.6	12,164,953	1,642.3	10,985,713	1,483.1	10,450,773	1,410.9
Granite	4,620,994	551.5	4,865,279	656.8	4,199,593	566.9	5,013,445	676.8	5,293,829	714.7
Grawacke	719,682	61.8	765,450	80.4	914,307	96.0	934,171	91.1	810,849	85.1
Limestone	68,801,246	5,896.6	62,552,086	6,567.9	69,205,206	7,266.5	71,141,814	7,469.9	78,234,119	8,214.6
Marble (fragment)	628,165*	141.3	851,561*	191.6	1,078,912*	350.6	535,439*	174.0	221,766*	72.1
Perlite	16,625	11.7	11,350	8.0	11,634	8.2	13,796	9.7	12,687	7.7
Quartz	-	-	-	-	200	0.0**	15,576	1.6	194,460	20.4
Rhyolite	274,627	25.4	243,270	25.5	334,891	35.2	647,913	68.0	609,717	64.0
Sand stone	136,325	10.3	116,885	11.7	187,048	18.7	301,811	30.2	322,860	32.3
Total		7,821.5		9,113.9		10,150.6		10,112.3		10,745.7
%		21.27		21.10		19.76		18.84		21.34
Other Industrial Minerals										
Barite										
- Chemical grade (ground)	-	-	49	0.3	-	-	-	-	-	-
- Drilling mud (ground)	-	-	-	-	-	-	-	-	13,956	54.4
- Unground	6,210	9.2	10,420	15.5	9,334	13.9	21,229	31.5	-	-
Bentonite	-	-	10,000	6.0	10,000	6.0	40,000	24.0	30,000	18.0
Calcite	817,801	161.1	477,732	94.1	578,500	113.9	439,759	86.6	803,377	158.3
Diatomite	4,400	4.0	5,730	5.2	7,625	6.9	11,300	10.2	27,060	24.4

Mineral Consumption of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Other Industrial Minerals										
Fluorite (metallurgical grade)	19,756	80.3	7,622	30.9	1,412	5.7	2,832	11.5	1,423	5.9
Limestone	3,908,735	394.8	3,266,563	392.0	3,383,776	406.1	4,304,560	516.6	5,137,747	616.5
Phosphate	2,475	1.0	12,506	5.2	2,316	1.0	344	0.1	1,799	0.7
Pyrophyllite	84,336	29.5	5,630	2.0	2,205	0.8	5,300	1.9	33,000	11.6
Rock salt	1,200,901	1,292.2	1,380,363	1,518.4	1,396,015	1,535.6	1,351,073	1,486.2	1,344,162	1,478.6
Talc (unground)	3,249	2.0	488	0.3	647	0.4	3,024	1.8	5,732	3.4
Total		1,974.1		2,069.9		2,090.3		2,170.4		2,371.8
%		5.37		4.79		4.07		4.05		4.71
Grand Total		**36,775.4**		**43,189.6**		**51,365.3**		**53,664.1**		**50,366.5**

*:- n.a. = not available :- * = Cubic Meter :- 0.0** = denoting the amount of less than 0.05 million baht*

Mineral Import of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Mineral Fuels and Energy										
Anthracite	242,197	1,280.4	677,522	2,209.5	367,817	1,539.6	210,701	1,407.3	138,064	808.1
Bituminous coal	7,299,492	17,465.6	7,066,802	16,445.4	6,619,170	15,548.3	4,484,690	13,077.7	7,326,828	19,864.9
Coke	52,593	1,040.3	117,544	1,224.2	208,729	2,922.0	108,164	1,667.5	36,019	647.6
Lignite	6	0.1	23	0.5	79	1.2	15	0.3	481	16.2
Peat	4,874	45.0	6,237	51.6	7,770	64.7	9,644	81.7	8,239	69.9
Other coal	8,379,841	16,624.7	8,520,470	17,003.1	9,700,720	19,286.5	11,459,285	25,973.6	152,025,749	25,297.6
Total		36,456.1		36,934.3		39,362.3		42,208.2		46,704.3
%		64.17		67.65		70.14		71.37		74.46
Iron and Ferro Alloy										
Chromite ore	2,235	35.9	1,140	14.8	2,785	37.6	2,202	40.4	3,053	56.4
Cobalt ore	-	-	0*	0.1	-	-	-	-	-	-
Columbite	25	21.9	123	95.8	-	-	196	81.0	30	26.7
Iron ore	10,216	69.5	192,062	509.9	457,508	1,689.8	161,427	770.2	16,217	69.8
Iron Pyrites	243	4.5	189	3.4	314	4.2	230	3.1	299	3.5
Manganese ore	694	9.5	50	1.6	4,530	17.8	18,633	42.8	24,282	52.8
Molybdenite ore	1,427	277.1	4,771	500.4	9,864	1,627.7	10,420	1,406.1	8,611	922.2
Nickel ore	400	2.3	1	0.1	0	0.1	4	4.2	0.1	0.2
Tungsten										
- Wolfram	-	-	8	0.7	7	0.1	39	2.9	21	1.8
- Other tungsten	-	-	-	-	-	0.0*	-	0.0*	-	-
Total		420.7		1,126.8		3,377.3		2,350.7		1,133.4
%		0.74		2.06		6.02		3.97		1.8

Mineral Import of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Base Metals										
Aluminium ore	51,779	480.4	31,519	297.1	32,051	270.3	32,736	284.9	29,077	289.4
Antimony ore	1,218	22.0	1,496	23.8	4,356	134.6	8,803	263.1	6,949	145.2
Copper	16	0.2	25	0.6	374	4.9	352	4.1	1,735	7.4
Lead ore	26	0.4	0.2	0.0**	283	5.5	32	0.7	2	0.0*
Tin ore	18,771	5,865.6	17,985	4,272.0	3,432	685.0	2,716	257.2	2,842	397.0
Zinc ore	193,809	3,499.3	148,441	1,845.4	174,586	3,781.4	125,818	3,273.4	139,625	3,090.1
Total		9,867.9		6,438.9		4,881.7		4,083.4		3,929.1
%		17.37		11.80		8.70		6.90		6.26
Precious Metals and Precious Stone										
Emery	4,411	55.1	3,900	47.2	4,812	53.7	4,804	52.7	32,712	115.7
Silver ore	13	0.6	13	0.6	25	1.3	19	1.7	-	-
Total		55.7		47.8		55.0		54.4		115.7
%		0.10		0.09		0.10		0.09		0.18
Light Metals and Rare Earth										
ilmenite ore	21,041	1.4	125	3.1	63	1.5	73	3.3	197	13.6
Niobium and Vanadium ore	17,591	346.6	10,773	38.0	11,863	1,101.8	8,075	686.1	13,165	1,602.7
Titanium ore										
- Rutile	6,779	94.4	7,331	68.5	7,276	77.9	6,684	181.5	5,492	460.1
- Leucoxene	7,371	165.5	4,535	122.9	8,080	215.2	3,389	104.6	3,461	265.6
- Ilmenite	920	8.6	880	8.1	840	8.1	680	8.2	900	21.2
- Other Titanium ore	371	9.4	319	5.8	1,003	27.7	1,035	67.3	1,044	22.1

Mineral Import of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Light Metals and Rare Earth										
Thorium ore	-	-	-	-	0*	0.1	20,069	114.8	1	0.1
Tantalite	11,043	91.8	-	-	-	-	483	946.8	652	675.3
Zirconium ore	48,724	623.9	18,138	266.8	47,451	493.1	46,633	1,351.6	12,334	615.0
Total		1,341.6		513.2		1,925.4		3,464.2		3,675.7
%		2.36		0.94		3.43		5.86		5.86
Cement Industrial Minerals										
Anhydrite	0*	0.0**	4	0.0**	25	0.7	0*	0.0**	0*	0.0*
Gypsum	470	7.2	452	8.5	522	9.0	614	9.9	659	11.4
Limestone	2,072	2.2	4,045	3.8	76	2.4	16	0.1	1	0.2
Total		9.4		12.3		12.1		10.0		11.6
%		0.01		0.02		0.02		0.02		0.02
Ceramic Industrial Minerals										
Andalusite, Kyannite and Sillimanite	2,858	36.0	2,304	33.8	2,856	41.5	3,555	47.5	2,227	29.8
Attapulgite	116	1.2	7	0.6	146	1.1	412	3.2	-	-
Ball Clay	28,981	94.3	20,508	64.2	6,592	42.4	5,463	33.8	-	-
Dolomite	502	6.3	595	8.5	977	11.6	1,224	12.2	940	10.5
Feldspar										
- Potassium	32,446	100.9	28,996	89.5	25,928	81.4	33,342	104.6	35,505	115.1
- Sodium	16,592	35.8	7,850	19.0	3,010	11.1	3,772	13.8	2,140	10.4
- Other Feldspar	14,339	49.4	3,590	22.3	3,891	24.0	3,935	22.1	3,900	28.0

Mineral Import of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Ceramic Industrial Minerals										
Kaolin									-	-
- Ceramic	12,204	149.7	8,410	102.0	13,880	147.3	16,907	141.9	14,965	117.9
- Paper	11,989	105.0	4,534	54.9	5,918	62.5	4,423	42.7	4,404	41.1
- Others	59,004	468.2	68,336	405.7	65,956	536.9	65,691	543.5	68,868	663.2
Lucite, Nepheline and Nepheline Syenit	2,786	22.8	1,805	16.8	1,489	15.1	1,535	14.5	1,347	13.3
Mullite	1,466	25.1	902	15.5	1,771	26.1	1,671	23.3	1,661	23.6
Quartz	1,884	8.4	2,595	10.9	2,572	23.5	3,127	14.0	3,082	15.6
Silica sand	66,685	258.3	31,013	106.2	28,195	94.6	27,943	120.3	51,698	192.5
Total		1,361.4		949.9		1,119.1		1,137.6		1,260.9
%		2.40		1.74		2.00		1.92		2.01
Dimension Stone										
Ecaussine	104	0.9	11	0.1	2	0.0*	3	0.7	-	-
Marble	39,215	301.0	39,806	313.4	45,010	322.0	49,532	364.0	44,094	386.5
Granite	138,162	538.7	137,656	553.7	138,476	476.9	136,495	482.9	136,741	491.3
Travertine	-	-	0.1	0.0**	0	0.0*	0.1	0.1	0*	0.0*
Sandstone	939	9.2	738	12.0	0	0.0*	-	-	-	-
Slate	179	2.7	-	-	346	4.4	21	0.3	93	0.6
Total		852.5		879.2		803.3		848.0		878.4
%		1.50		1.61		1.43		1.44		1.40

Mineral Import of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Industrial Rock										
Basalt	20,857	112.4	17,091	98.8	268,767	102.3	57,184	103.5	-	-
Flint	1,929	16.2	1,663	13.7	6,503	15.2	45,200	22.9	1,766	12.7
Pumice stone	5,194	50.4	4,213	44.8	5,286	56.5	5,077	58.6	5,275	65.9
Vermiculite, Perlite and Chlorites	1,437	11.2	1,192	9.7	1,944	14.9	3,133	28.8	4,901	39.9
Total		190.2		167.0		188.9		213.9		118.5
%		0.33		0.31		0.34		0.36		0.19
Other Industrial Minerals										
Apatile										
- Ground	1,611	14.4	1,815	25.8	3,140	39.5	2,705	17.8	1,763	7.1
- Unground	-	-	-	-	-	-	2	0.0*	-	0.0*
Asbestos	94,278	1,071.6	102,739	1,432.7	79,250	1,121.5	81,411	1,111.9	58,037	839.5
Barite	96,433	391.6	57,452	178.7	78,862	274.1	94,650	399.2	104,668	509.8
Bentonite	54,345	378.4	42,429	272.5	65,096	408.2	103,555	505.9	83,377	555.1
Calcite	1,109	3.5	-	-	-	-	-	-	-	-
Chalk	13	0.6	9	0.7	31	1.2	62	1.6	53	1.8
Fireclay	81	1.4	67	1.1	4,688	61.6	1,621	20.6	729	9.8
Fluorite	841	11.2	472	10.8	508	9.8	1,022	18.0	555	12.1
Kieserite	29,768	269.2	8,189	63.2	2,847	17.1	8,062	57.6	11,172	68.0
Mica	4,904	107.2	2,991	80.7	5,504	125.3	4,860	128.8	4,577	140.7
Orpiment	20	0.2	-	-	0	0.0*	1	0.0*	-	-

Mineral Import of Thailand 2008 - 2012

Quantity : Tonnes
Value : Million Baht

Mineral	2008		2009		2010		2011		2012	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Other Industrial Minerals										
Phosphate										
- Ground	10,530	46.2	11,670	66.6	356	3.0	71	0.7	-	0.0*
- Unground	-	-	-	-	11,000	25.0	1	0.1	-	-
Graphite	1,792	66.9	898	48.0	1,372	75.9	1,397	98.2	1,398	113.2
Magnesite	10,538	193.7	2,028	40.2	3,530	48.9	4,429	62.7	4,867	52.6
Steatite	4,705	67.0	2,632	14.1	2,295	11.6	1,451	10.1	2,014	22.4
Potash	-	-	0*	0.0**	-	-	-	-	-	-
Rock salt	700	10.9	2	0.0**	1	0.0*	5	0.1	-	-
Sulphur	119,862	2,581.6	57,076	196.3	132,199	713.9	125,722	937.7	102,175	760.4
Talc	116,906	1,033.8	100,919	5,089.2	135,219	1,452.9	126,254	1,380.8	138,694	1,786.2
Witherite	698	6.4	450	4.1	501	4.8	1,149	16.6	1,500	21.6
Total		6,255.8		7,524.7		4,394.3		4,768.4		4,900.3
%		11.01		13.78		7.83		8.06		7.81
Grand Total		**56,811.3**		**54,594.1**		**56,119.4**		**59,138.6**		**62,728.0**

0 denoting the amount of less than 0.1 metric tonnes* *0.0** denoting the amount of less than 0.05 million baht*

data from 'www.customs.go.th'

Mineral Royalty of Thailand 2008-2012

unit: Thousand Baht

Mineral	2008	2009	2010	2011	2012
Andesite (Industrial rock)	4,897.63	3,933.00	7,318.19	6,663.09	5,903.14
Anhydrite	11,167.13	11,969.62	12,399.08	13,914.01	18,175.13
Antimony	153.74	182.07	1,104.75	690.71	216.75
Ball clay	10,304.72	7,922.92	8,172.66	7,656.37	5,518.41
Barite					
- Chemical grade (ground)	388.64	208.26	231.66	258.66	389.95
- Drilling mud (ground)	-	-	-	-	1,090.60
- Unground	2,789.71	5,351.24	3,838.87	2,835.16	4,471.83
Basalt (Industrial rock)	41,845.61	57,733.48	67,462.88	66,577.69	69,492.32
Bentonite	-	240.00	240.00	1,200.00	3,120.00
Calcite	6,414.72	4,101.28	5,683.93	6,673.37	6,874.60
Ceramic clay	5,646.74	5,170.92	9,861.71	10,411.74	9,513.17
Cement clay	9,143.21	8,410.87	24,984.02	33,232.04	19,520.73
Conglomerate (Industrial rock)	87.26	127.18	298.60	345.36	16.80
Copper Ore	2.69	262.89	5,329.39	4,217.55	4,954.11
Diatomite	79.20	103.14	137.25	203.40	730.62
Dolomite	18,726.71	27,271.51	36,937.79	38,103.36	33,152.83
Feldspar					
- Potassium (ground)	5.88	-	24.00	-	96.00
- Potassium (unground)	68.27	522.64	212.84	1,180.82	189.18
- Sodium (ground)	9,937.38	9,199.40	9,709.42	7,155.24	10,591.08
- Sodium (unground)	11,725.14	11,325.08	9,842.18	17,424.37	22,526.08
Fluorite					
- Metallurgical grade	6,494.04	4,027.81	1,285.60	2,674.31	5,949.73
- Acid grade	-	-	-	-	114.00
Garnet	-	12.00	12.00	12.00	-

Mineral Royalty of Thailand 2008-2012

unit: Thousand Baht

Mineral	2008	2009	2010	2011	2012
Gem stone	133.00	141.00	-	-	-
Glass sand	13,085.96	12,452.55	9,559.81	2,555.22	6,630.97
Gneiss (Dimension stone)	3.20	3.20	16.00	16.00	24.00
Gold Ore	119,679.42	363,281.71	387,933.06	419,771.42	828,741.64
Granite					
- Dimension stone	1,344.92	1,449.02	1,246.63	1,131.02	807.59
- Industrial rock	23,066.11	28,691.83	27,005.11	30,038.53	30,699.07
Graywacke	1,843.46	1,781.61	2,408.26	3,108.08	3,150.29
Gypsum	157,159.43	192,455.57	214,696.61	216,150.76	231,672.08
Ilmenite	375.70	563.94	-	58.42	69.20
Iron Ore	112,318.07	38,622.58	76,185.71	31,556.92	16,663.98
Kaolin					
- Filler	650.52	616.24	881.34	1,001.60	1,164.07
- Unwashed	8,210.68	8,569.13	7,334.57	12,770.39	15,161.50
- Washed	4,974.75	4,077.01	4,787.02	5,121.76	5,227.77
Lead Ore	24,882.53	7,568.27	-	-	-
Lignite	370,781.45	601,707.09	713,015.84	769,432.59	698,853.48
Limestone					
- Dimension stone	2.72	3.12	2.88	2.16	0.96
- Industrial rock-construction	251,446.49	302,790.69	316,833.66	307,195.92	370,656.28
- Industrial rock-cement	391,152.12	477,311.26	518,157.58	519,311.47	532,792.66
- Industrial rock-others	18,428.16	16,142.47	17,727.08	21,026.40	25,421.63
Manganese					
- Metallurgical grade	-	-	170.59	-	-
- Metallurgical-others	699.65	1,332.08	4,266.99	-	162.01

Mineral Royalty of Thailand 2008-2012

unit: Thousand Baht

Mineral	2008	2009	2010	2011	2012
Marble					
- Dimension stone	1,660.76	1,377.36	1,655.36	1,165.93	1,505.06
- Fragment	17,123.20	21,587.55	16,554.04	5,564.77	4,064.86
Marl	151.98	328.95	255.85	262.14	452.20
Monazite	70.64	-	282.50	83.73	50.47
Perlite (Industrial rock)	553.48	379.10	537.18	474.32	520.86
Phosphate	42.43	25.21	117.31	90.52	36.61
Pyrophyllite	1,196.00	1,363.43	225.05	152.74	490.00
Quartz	124.86	275.73	2,154.38	2,938.82	3,084.48
Rhyolite (Industrial rock)	938.62	1,021.73	1,439.41	1,827.48	2,560.81
Rock salt	51,196.40	61,273.98	62,260.00	56,584.00	59,356.00
Rutile	-	246.54	-	25.54	-
Sand Stone					
- Dimension stone	8.21	36.75	75.29	78.88	49.71
- Industrial rock	378.72	481.36	721.08	1,265.28	1,353.63
Scheelite	910.20	910.20	1,653.54	1,062.41	1,170.87
Shale (Industrial rock-cement)	31,300.32	35,912.33	36,536.86	40,500.82	41,908.04
Silver Ore	8,200.68	26,243.12	36,175.78	66,052.69	98,992.78
Struverite	87.56	87.56	78.81	2,622.15	109.33
Talc	79.54	12.10	14.98	50.69	142.85
Tin	8,202.21	4,661.27	11,912.33	20,529.68	10,253.90
Tin Slag (Ta2O5<13%)	7.58	31.49	27.93	-	1.74
Tin Slag (Ta2O5<5%)	-	-	-	166.01	-
Travertine (Dimension)	318.64	303.36	189.60	73.60	106.40
Wolfram	5,913.69	697.02	1,690.58	816.68	3.47
Xenotime	1,050.44	47.44	60.83	149.98	-

Mineral Royalty of Thailand 2008-2012

unit: Thousand Baht

Mineral	2008	2009	2010	2011	2012
Zinc					
- Metal	38,055.92	45,079.69	38,191.39	33,331.97	42,703.11
- Ore	42.75	344.21	-	-	-
Zircon	-	28.10	-	45.35	-
Total	**1,807,731.61**	**2,420,391.25**	**2,720,125.64**	**2,797,594.06**	**3,259,423.42**