

# Mineral Import of Thailand 2011 - 2012

Quantity : Tonnes  
Value : Million Baht

| Mineral                                 | 2011       |                 | 2012       |                 | Percentage |              |
|-----------------------------------------|------------|-----------------|------------|-----------------|------------|--------------|
|                                         | Quantity   | Value           | Quantity   | Value           | Quantity   | Value        |
| Aluminium ore                           | 32,736     | 284.9           | 29,077     | 289.4           | -11.18%    | 1.58%        |
| Andalusite, Kyannite and Sillimanite    | 3,555      | 47.5            | 2,227      | 29.8            | -37.36%    | -37.31%      |
| Anhydrite                               | 0*         | 0.0**           | 0*         | 0.0*            | -          | -            |
| Anthracite                              | 210,701    | 1,407.3         | 138,064    | 808.1           | -34.47%    | -42.58%      |
| Antimony ore                            | 8,803      | 263.1           | 6,949      | 145.2           | -21.06%    | -44.81%      |
| Apatite                                 |            |                 |            |                 |            |              |
| - Ground                                | 2,705      | 17.8            | 1,763      | 7.1             | -34.83%    | -60.14%      |
| - Unground                              | 2          | 0.0*            | -          | 0.0*            | -100.00%   | -            |
| Asbestos                                | 81,411     | 1,111.9         | 58,037     | 839.5           | -28.71%    | -24.50%      |
| Attapulgit                              | 412        | 3.2             | -          | -               | -100.00%   | -100.00%     |
| Ball Clay                               | 5,463      | 33.8            | -          | -               | -100.00%   | -100.00%     |
| Barite                                  | 94,650     | 399.2           | 104,668    | 509.8           | 10.58%     | 27.69%       |
| Basalt                                  | 57,184     | 103.5           | -          | -               | -100.00%   | -100.00%     |
| Bentonite                               | 103,555    | 505.9           | 83,377     | 555.1           | -19.48%    | 9.73%        |
| Bituminous coal                         | 4,484,690  | 13,077.7        | 7,326,828  | 19,864.9        | 63.37%     | 51.90%       |
| Chalk                                   | 62         | 1.6             | 53         | 1.8             | -15.31%    | 9.40%        |
| Chromite ore                            | 2,202      | 40.4            | 3,053      | 56.4            | 38.65%     | 39.60%       |
| Coke                                    | 108,164    | 1,667.5         | 36,019     | 647.6           | -66.70%    | -61.16%      |
| Columbite                               | 196        | 81.0            | 30         | 26.7            | -84.86%    | -67.04%      |
| Copper                                  | 352        | 4.1             | 1,735      | 7.4             | 392.95%    | 80.49%       |
| Dolomite                                | 1,224      | 12.2            | 940        | 10.5            | -23.18%    | -14.20%      |
| Ecaussine                               | 3          | 0.7             | -          | -               | -100.00%   | -100.00%     |
| Emery                                   | 4,804      | 52.7            | 32,712     | 115.7           | 580.92%    | 119.54%      |
| Feldspar                                |            |                 |            |                 |            |              |
| - Potassium                             | 33,342     | 104.6           | 35,505     | 115.1           | 6.49%      | 10.05%       |
| - Sodium                                | 3,772      | 13.8            | 2,140      | 10.4            | -43.26%    | -24.76%      |
| - Other Feldspar                        | 3,935      | 22.1            | 3,900      | 28.0            | -0.89%     | 26.79%       |
| Fireclay                                | 1,621      | 20.6            | 729        | 9.8             | -55.03%    | -52.53%      |
| Flint                                   | 45,200     | 22.9            | 1,766      | 12.7            | -96.09%    | -44.64%      |
| Fluorite                                | 1,022      | 18.0            | 555        | 12.1            | -45.66%    | -32.59%      |
| Granite                                 | 136,495    | 482.9           | 136,741    | 491.3           | 0.18%      | 1.73%        |
| Graphite                                | 1,397      | 98.2            | 1,398      | 113.2           | 0.06%      | 15.28%       |
| Gypsum                                  | 614        | 9.9             | 659        | 11.4            | 7.45%      | 15.59%       |
| Ilmenite ore                            | 73         | 3.3             | 197        | 13.6            | 169.38%    | 312.12%      |
| Iron ore                                | 161,427    | 770.2           | 16,217     | 69.8            | -89.95%    | -90.94%      |
| Iron Pyrites                            | 230        | 3.1             | 299        | 3.5             | 29.82%     | 12.90%       |
| Kaolin                                  |            |                 |            |                 |            |              |
| - Ceramic                               | 16,907     | 141.9           | 14,965     | 117.9           | -11.48%    | -16.93%      |
| - Paper                                 | 4,423      | 42.7            | 4,404      | 41.1            | -0.43%     | -3.89%       |
| - Others                                | 65,691     | 543.5           | 68,868     | 663.2           | 4.84%      | 22.02%       |
| Kieserite                               | 8,062      | 57.6            | 11,172     | 68.0            | 38.58%     | 18.12%       |
| Lead ore                                | 32         | 0.7             | 2          | 0.0*            | -93.75%    | -            |
| Lignite                                 | 15         | 0.3             | 481        | 16.2            | 3106.01%   | 5300.00%     |
| Limestone                               | 16         | 0.1             | 1          | 0.2             | -92.29%    | 98.92%       |
| Lucite, Nepheline and Nepheline Syenite | 1,535      | 14.5            | 1,347      | 13.3            | -12.28%    | -8.51%       |
| Magnesite                               | 4,429      | 62.7            | 4,867      | 52.6            | 9.88%      | -16.15%      |
| Manganese ore                           | 18,633     | 42.8            | 24,282     | 52.8            | 30.32%     | 23.36%       |
| Marble                                  | 49,532     | 364.0           | 44,094     | 386.5           | -10.98%    | 6.18%        |
| Mica                                    | 4,860      | 128.8           | 4,577      | 140.7           | -5.81%     | 9.24%        |
| Molybdenite ore                         | 10,420     | 1,406.1         | 8,611      | 922.2           | -17.36%    | -34.41%      |
| Mullite                                 | 1,671      | 23.3            | 1,661      | 23.6            | -0.64%     | 1.48%        |
| Nickel ore                              | 4          | 4.2             | 0.1        | 0.2             | -97.50%    | -95.24%      |
| Niobium and Vanadium ore                | 8,075      | 686.1           | 13,165     | 1,602.7         | 63.03%     | 133.60%      |
| Orpiment                                | 1          | 0.0*            | -          | -               | -100.00%   | -            |
| Other coal                              | 11,459,285 | 25,973.6        | 11,104,617 | 25,297.6        | -3.10%     | -2.60%       |
| Peat                                    | 9,644      | 81.7            | 8,239      | 69.9            | -14.56%    | -14.44%      |
| Phosphate                               |            |                 |            |                 |            |              |
| - Ground                                | 71         | 0.7             | -          | 0.0*            | -100.00%   | -            |
| - Unground                              | 1          | 0.1             | -          | -               | -100.00%   | -100.00%     |
| Pumice stone                            | 5,077      | 58.6            | 5,275      | 65.9            | 3.90%      | 12.37%       |
| Quartz                                  | 3,127      | 14.0            | 3,082      | 15.6            | -1.45%     | 11.38%       |
| Rock salt                               | 5          | 0.1             | -          | -               | -100.00%   | -100.00%     |
| Silica sand                             | 27,943     | 120.3           | 51,698     | 192.5           | 85.02%     | 59.98%       |
| Silver ore                              | 19         | 1.7             | -          | -               | -100.00%   | -100.00%     |
| Slate                                   | 21         | 0.3             | 93         | 0.6             | 339.74%    | 137.52%      |
| Steatite                                | 1,451      | 10.1            | 2,014      | 22.4            | 38.78%     | 122.76%      |
| Sulphur                                 | 125,722    | 937.7           | 102,175    | 760.4           | -18.73%    | -18.91%      |
| Talc                                    | 126,254    | 1,380.8         | 138,694    | 1,786.2         | 9.85%      | 29.36%       |
| Tantalite                               | 483        | 946.8           | 652        | 675.3           | 35.11%     | -28.68%      |
| Thorium ore                             | 20,069     | 114.8           | 1          | 0.1             | -100.00%   | -99.91%      |
| Tin ore                                 | 2,716      | 257.2           | 2,842      | 397.0           | 4.63%      | 54.35%       |
| Titanium ore                            |            |                 |            |                 |            |              |
| - Ilmenite                              | 680        | 8.2             | 900        | 21.2            | 32.39%     | 157.56%      |
| - Leucoxene                             | 3,389      | 104.6           | 3,461      | 265.6           | 2.13%      | 154.00%      |
| - Rutile                                | 6,684      | 181.5           | 5,492      | 460.1           | -17.83%    | 153.53%      |
| - Other Titanium ore                    | 1,035      | 67.3            | 1,044      | 22.1            | 0.82%      | -67.18%      |
| Travertine                              | 0.1        | 0.1             | 0*         | 0.0*            | -          | -            |
| Tungsten                                |            |                 |            |                 |            |              |
| - Wolfram                               | 39         | 2.9             | 21         | 1.8             | -47.06%    | -37.93%      |
| - Other tungsten                        | -          | 0.0*            | -          | -               | -          | -            |
| Vermiculite, Perlite and Chlorites      | 3,133      | 28.8            | 4,901      | 39.9            | 56.42%     | 38.62%       |
| Witherite                               | 1,149      | 16.6            | 1,500      | 21.6            | 30.58%     | 29.97%       |
| Zinc ore                                | 125,818    | 3,273.4         | 139,625    | 3,090.1         | 10.97%     | -5.60%       |
| Zirconium ore                           | 46,633     | 1,351.6         | 12,334     | 615.0           | -73.55%    | -54.50%      |
| <b>Total</b>                            |            | <b>59,138.6</b> |            | <b>62,728.0</b> |            | <b>6.07%</b> |

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

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