

Statistics Report
BPI 1/2007

THAILAND
METAL STATISTICS YEAR 2006 (JAN-JUN)

Bureau of Primary Industries
Department of Primary Industries and Mines

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PREFACE

The publication of metal statistics entitled "Thailand Metal Statistics Year 2006 (Jan-Jun)" covers production, import, export and price of metal products of the country.

This publication has been published to serve the market for various industries and business.

We welcome your input for ideas, mistake corrections and suggestions for future update.

Bureau of Primary Industries

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Editors

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OVERALL

Table 1 Overall Metal Production Statistics 2004-2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	Quantities			Value ^E		
	2004	2005	2006 ^P (Jan-Jun)	2004	2005	2006 ^P (Jan-Jun)
1. Antimony	2	460	286	0	64	32
2. Lead	57,500	61,100	32,095	2,010	2,385	1,701
3. Steel ^{1/}	12,185	11,617	5,228	267,800	230,887	111,050
4. Tantalum Powder	317	150	118	4,120	1,215	1,003
5. Tin	20,800	31,600	14,215	6,780	9,323	4,947
6. Zinc	115,500	104,500	47,822	4,620	5,773	5,786
7. Gold and Silver	15.2	18.5	9.2	2,342	2,940	1,732
- Gold	4.5	4.4	2.3	2,250	2,807	1,638
- Silver	10.7	14.1	6.9	92	133	94
8. Copper	5,800	15,800	6,880	725	2,324	1,626

1/ : Unit in 1,000 Tonnes

E : Estimate

PRODUCTION

Table 2 Nonferrous Production Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

ITEM	2001	2002	2003	2004	2005	2006 ^P (Jan-Jun)
1. Antimony	12	0	12	2	460	286
2. Lead	30,000	42,900	45,300	57,500	61,100	32,095
3. Tantalum Powder	150	102	168	317	150	118
4. Tin	22,900	18,600	15,400	20,800	31,600	14,215
5. Zinc	104,300	104,800	116,400	115,500	104,500	47,822
6. Gold and Silver	1.5	23.0	16.8	15.2	18.5	9.2
- Gold	0.3	4.9	4.3	4.5	4.4	2.3
- Silver	1.2	18.0	12.5	10.7	14.1	6.9
7. Copper	-	-	-	5,800	15,800	6,880

Table 3 Steel Production Statistics 2001 - 2006 (Jan-Jun)

Unit : 1,000 Tonnes

ITEM	2001	2002	2003	2004	2005	2006 ^P (Jan-Jun)
1. Semi-finished Products	1,711	2,008	2,472	4,144	4,232	2,390
2. Long Products ^{E1}	2,500	3,343	3,534	4,907	4,578	1,633
3. Flat Products	3,358	4,617	5,246	5,783	5,757	2,928
Hot-Rolled Coils	1,895	2,952	3,321	3,840	4,434	2,155
Hot-Rolled Plates						
Cold-Rolled Coils	1,464	1,665	1,925	1,943	1,323	773
4. Others Products ^{1/}	46	46	24	17	26	21
5. Coated Steel	825	944	997	1,042	850	487
Tinplates	212	244	274	335	228	125
Tin Free Steel	104	109	137	137	129	65
Galvanized Sheets	326	444	468	440	311	165
Zincalume, Colorbond, ShutterEx and Paint	183	147	119	129	182	132
6. Pipes & Tubes ^{E2}	510	511	435	436	406	219
Steel Products Total ^{2/}	7,240	9,461	10,236	12,185	11,617	5,288

1/ : Electric Arc Furnace - EAF

2/ : Excludes Item 1

E1 : Estimates (Included Bars, Wire Rods and Sections)

E2 : Bank of Thailand

IMPORT

Table 4 Aluminium Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Scrap	13,126	17,602	22,364	31,177	31,784	27,178
Value	699	890	1,158	1,768	1,893	1,932
2. Unwrought	234,692	259,324	330,317	392,748	386,924	201,535
Aluminium	125,858	124,554	144,159	184,760 ^E	165,084	96,176
Aluminium alloys	108,834	134,769	186,158	207,988	221,841	105,359
Value	17,122	16,343	20,128	28,092	30,586	19,537
3. Powders & Flakes	580	671	864	1,021	434	261
Value	64	62	78	75	92	55
4. Bars, Rods & Profiles	3,416	2,615	4,278	4,141	5,905	4,566
Aluminium	1,609	432	641	650	527	197
Aluminium alloys	1,807	2,184	3,638	3,490	5,378	4,369
Value	431	359	575	680	970	673
5. Wire	2,528	2,741	2,634	3,258	2,685	1,159
Aluminium	231	205	308	225	175	60
Aluminium alloys	2,297	2,536	2,326	3,033	2,510	1,099
Value	356	314	311	366	339	172
6. Plates, Sheets & Strip (t>0.2mm)	56,166	61,025	70,755	80,949	47,690	16,186
Aluminium	7,124	7,612	7,930	9,670	9,356	5,151
Aluminium alloys	49,042	53,413	62,825	71,278	38,333	11,035
Value	6,689	6,805	7,804	9,354	5,809	2,288
7. Foil (t≤0.2mm)	20,407	21,686	26,571	33,275	13,517	6,972
Not backed	16,457	17,574	22,278	28,054	9,086	4,051
Backed	3,950	4,112	4,293	5,221	4,431	2,920
Value	3,683	3,693	4,290	5,493	2,057	1,067
8. Tubes, Pipes & Fittings	1,866	2,160	2,391	3,091	6,142	3,572
Tubes & Pipes	1,746	1,843	2,191	2,839	5,781	3,327
Fittings	120	317	200	251	361	245
Value	786	742	890	1,102	1,875	1,209
Total Quantity	332,781	367,824	460,174	549,659	495,081	261,428
Total Value	29,830	29,209	35,234	46,929	43,621	26,931

P : Preliminary

E : Estimates (Source of Customs Department : Quantity of Aluminium unwrought is 1,182,453 tonnes)

Table 5 Copper Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Matte & Cement	15	176	1	1	1	29
Value	3	3	0	0	0	1
2. Scrap	4,210	4,245	4,757	6,560	5,015	3,461
Value	287	208	360	608	602	568
3. Unwrought	175,331	195,465	217,016	282,313	246,279	163,932
Copper	166,795	186,633	205,187	229,840	235,715	158,591
Copper alloys	8,535	8,832	11,829	52,473	10,564	5,341
Value	13,693	14,153	16,243	27,838	35,596	32,252
4. Powders & Flakes	450	559	587	721	1,242	513
Value	80	101	118	167	1,655	124
5. Bars, Rods & Profiles	4,074	6,202	7,705	7,733	11,227	7,030
Copper	407	671	934	946	2,219	1,276
Copper alloys	3,666	5,530	6,771	6,786	9,008	5,754
Value	513	692	888	1,255	1,664	1,310
6. Wire	26,680	36,362	45,421	52,436	39,097	19,812
Copper	23,140	31,792	41,128	49,166	35,934	18,060
Copper alloys	3,540	4,570	4,293	3,270	3,163	1,752
Value	2,632	2,837	4,171	6,838	6,431	4,776
7. Plates, Sheets & Strip (t>0.15 mm)	18,170	26,365	28,732	34,939	35,374	19,744
Copper	5,828	8,058	8,594	11,217	11,836	5,811
Copper alloys	12,342	18,308	20,139	23,722	23,539	13,933
Value	3,968	3,956	4,585	7,027	8,048	5,231
8. Foil (t≤0.15 mm)	12,102	14,154	14,517	15,844	13,215	7,194
Not backed	6,111	5,870	6,725	7,519	8,012	4,460
Backed	5,991	8,284	7,791	8,325	5,203	2,734
Value	2,826	2,881	3,524	4,159	4,461	2,577
9. Tubes, Pipes & Fittings	10,585	9,619	11,578	13,778	14,943	10,749
Tubes & Pipes	10,190	9,365	11,172	13,268	13,898	9,955
Fittings	396	254	406	510	1,046	794
Value	1,863	1,649	1,953	2,698	3,293	2,513
Total Quantity	251,616	293,148	330,314	414,323	366,394	232,464
Total Value	25,865	26,481	31,844	50,590	61,750	49,352

P : Preliminary

Table 6 Iron and Steel Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Pig Iron/DRI/HBI	113,478	203,968	369,589	918,151	967,640	337,188
Value	987	1,586	3,216	8,204	11,740	4,224
2. Ferro-alloys	48,185	54,457	72,017	84,389	79,975	41,182
Ferro-chromium	4,218	5,471	8,628	11,031	15,616	8,352
Ferro-manganese	6,593	7,221	8,070	12,209	9,597	6,822
Ferro-silicon	17,291	18,223	26,423	26,240	24,142	11,779
Ferro-silicon-manganese	19,040	22,047	27,511	32,602	27,748	12,940
Other	1,043	1,495	1,385	2,307	2,873	1,290
Value	1,231	1,326	1,834	3,494	3,191	1,429
3. Scrap	696,512	977,555	1,279,889	1,849,787	1,683,042	581,719
Carbon Steel	636,004	945,155	1,220,880	1,696,333	1,451,420	502,609
Cast Iron	65	197	13,463	78,531	194,201	54,678
Stainless Steel	343	4,038	3,970	4,650	3,646	1,639
Other Alloy Steel	52,280	28,090	41,562	70,009	33,624	22,687
Other	7,821	75	15	263	152	106
Value	4,675	6,697	9,926	21,383	19,527	5,924
4. Semi-Finished Products	2,791,793	5,014,269	4,166,099	5,012,311	5,709,947	2,227,766
Billet	1,044,638	1,759,849	1,619,441	2,151,221	1,825,237	763,566
Billet & Slab (≥ 0.25 C)	180,475	250,427	313,445	470,573	366,324	206,516
Ingot	255	719	2,009	732	475	234
Slab	1,492,175	2,939,626	2,173,120	2,317,763	3,475,634	1,247,301
Other	74,250	63,649	58,083	72,022	42,277	10,149
Value	22,476	41,979	46,177	79,227	95,353	30,538
5. Long Products	623,088	822,073	843,077	930,379	1,301,349	946,890
Angles, Shapes & Sections	35,110	14,027	20,262	12,991	21,695	9,932
Bars	183,006	239,440	268,056	334,562	400,010	602,882
Cold-drawn Bars	21,048	21,152	39,203	43,618	51,840	26,960
Wire Rods	329,709	473,352	443,191	448,759	715,663	247,446
Wires	54,215	74,101	72,364	90,450	112,141	59,672
Value	16,703	18,528	20,353	27,549	21,695	18,182
6. Hot Rolled Flat Product	2,372,782	2,426,063	2,990,162	2,718,985	2,940,612	1,130,165
Coil	2,176,596	2,281,682	2,565,333	2,466,459	2,597,199	1,022,118
Plate & Sheet	189,975	138,958	418,366	210,669	173,881	83,718
Strip	6,212	5,422	6,463	41,856	169,533	24,329
Value	32,991	34,386	45,038	60,749	84,206	30,720

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
7. Cold Rolled Flat Product	716,117	586,447	666,749	738,613	857,447	378,730
Coil	448,546	323,506	463,986	521,280	551,868	259,128
Plate & Sheet	233,397	224,822	165,722	168,302	233,430	88,410
Strip	34,174	38,119	37,041	49,032	72,149	31,191
Value	18,056	15,216	18,828	24,553	34,134	14,736
8. Coated Products	556,119	885,420	895,727	1,086,426	1,459,211	680,866
Chromium Plate	14,385	39,916	30,752	33,492	30,832	16,829
Electro Galvanized	129,088	145,435	131,125	131,444	151,667	68,198
Hot dip Galvanized	302,374	360,630	462,214	555,110	865,591	391,876
Tinplate	62,592	111,640	84,085	99,193	75,319	52,935
Other	47,679	23,887	55,054	132,604	201,851	73,580
Zincalume/ Color Coated	-	203,911	132,497	134,583	133,951	77,448
Value	14,163	18,025	21,529	31,689	51,360	23,150
9. Pipes & Fittings	146,034	162,497	232,664	329,144	500,451	662,887
Fittings	10,365	12,376	15,444	17,132	22,187	13,228
Seam Pipes	62,376	50,478	55,786	104,856	114,549	55,705
Seamless Pipes	73,293	99,644	161,434	207,157 ^E	363,715	593,954
Value	7,921	7,976	11,305	18,301	29,663	23,938
10. Sheet Piling	1,339	2,104	1,191	714	150	42
Stainless Steel	0	-	0	-	0	2
Other Alloy Steel	-	-	0	-	-	-
Other	1,339	2,104	1,191	714	149	41
Value	28	29	19	14	6	5
11. Rails and Accessories	29,387	37,248	24,679	10,909	17,889	1,370
Value	927	751	434	266	712	71
Finished Steel Products Total^{1/}	4,444,866	4,921,853	5,654,248	5,815,170	7,077,109	3,800,950
Finished Steel Products Value^{1/}	90,789	94,912	117,505	163,121	221,775	110,801
Total Quantity	8,094,834	11,172,101	11,541,842	13,679,807	15,517,712	6,988,806
Total Value	120,158	146,501	178,659	275,429	351,586	152,917

1/ : Excludes item 1 - 4

P : Preliminary

E : Estimates (Source of Customs Department : Quantity of Seamless Pipes from Japan and Malaysia under code 7304100001 is 350,145 and 51,199 tonnes respectively)

Table 7 Lead Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : *Million Baht*

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Scrap	142	41	45	29	3	0
<i>Value</i>	<i>3</i>	<i>0</i>	<i>1</i>	<i>3</i>	<i>2</i>	<i>0</i>
2. Unwrought	57,466	68,797	84,598	81,244	74,918	41,617
Lead	41,513	59,918	76,951	75,086	66,554	37,820
Lead alloys	15,953	8,879	7,647	6,159	8,364	3,798
<i>Value</i>	<i>1,306</i>	<i>1,465</i>	<i>1,892</i>	<i>3,194</i>	<i>3,275</i>	<i>2,037</i>
3. Powders & Flakes	6	3	0	7	94	2
<i>Value</i>	<i>3</i>	<i>1</i>	<i>0</i>	<i>7</i>	<i>5</i>	<i>0</i>
4. Bars, Rods, Profiles & Wire	590	634	408	483	364	156
<i>Value</i>	<i>137</i>	<i>133</i>	<i>83</i>	<i>167</i>	<i>160</i>	<i>93</i>
5. Plates, Sheets, Strip & Foil	137	110	69	114	92	41
<i>Value</i>	<i>28</i>	<i>23</i>	<i>13</i>	<i>25</i>	<i>18</i>	<i>9</i>
6. Tubes, Pipes & Fittings	1	5	12	6	0	1
<i>Value</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0</i>
Total Quantity	58,341	69,590	85,132	81,884	75,471	41,817
Total Value	1,477	1,623	1,990	3,398	3,460	2,139

P : Preliminary

Table 8 Nickel Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Matte & Sinters	-	0	1	0	8,717	1,556
Value	-	0	0	0	206	145
2. Scrap	39	11	60	64	89	41
Value	11	4	21	39	47	27
3. Unwrought	1,411	1,721	1,903	2,478	2,822	1,371
Nickel	1,359	1,693	1,861	2,425	2,756	1,349
Nickel alloys	52	28	41	53	66	23
Value	459	519	718	1,437	1,743	846
4. Powders & Flakes	64	87	79	125	154	124
Value	51	56	56	101	107	62
5. Bars, Rods & Profiles	126	8	9	22	22	17
Value	19	10	12	22	28	26
6. Wire	236	156	259	162	216	112
Value	111	74	121	101	155	78
7. Plates, Sheets & Strip	45	284	113	101	133	140
Value	27	35	29	49	116	104
8. Foil	8	1	1	0	1	0
Value	3	9	2	1	3	2
9. Tubes, Pipes & Fittings	14	9	21	62	73	59
Value	58	11	32	33	62	30
Total Quantity	1,943	2,278	2,445	3,013	12,227	3,420
Total Value	739	718	991	1,782	2,466	1,320

P : Preliminary

Table 9 Tin Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Scrap	-	-	-	10	-	-
<i>Value</i>	-	-	-	1	-	-
2. Unwrought	199	544	1,933	9,950	17,377	13,393
Tin	20	182	1,414	9,684	17,142	13,183
Tin alloys	179	362	518	266	235	209
<i>Value</i>	41	125	444	3,393	5,139	4,210
3. Powders & Flakes	5	3	6	2	6	3
<i>Value</i>	2	1	2	1	3	1
4. Bars, Rods, & Profiles	-	91	130	215	219	71
<i>Value</i>	-	14	63	144	161	50
5. Wire	147	206	147	132	125	65
<i>Value</i>	13	22	18	12	18	6
6. Plates, Sheets & Strip (t>0.2mm)	188	26	8	17	194	183
<i>Value</i>	9	4	4	11	28	18
7. Foil	71	6	1	1	10	6
<i>Value</i>	4	1	1	0	1	1
8. Tubes, Pipes & Fittings	-	-	-	-	-	-
<i>Value</i>	-	-	-	-	-	-
9. Other	19	7	15	37	32	23
<i>Value</i>	9	8	16	40	33	19
Total Quantity	629	885	2,240	10,365	17,962	13,743
Total Value	78	175	550	3,603	5,383	4,306

P : Preliminary

Table 10 Zinc Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Scrap	4	-	-	58	65	197
Value	0	-	-	1	3	12
2. Unwrought	24,049	35,980	34,029	42,702	33,053	19,526
Zinc	15,698	24,477	20,944	31,577	23,407	14,311
Zinc alloys	8,351	11,503	13,085	11,125	9,646	5,215
Value	1,131	1,285	1,220	2,004	1,895	2,022
3. Dust, Powders & Flakes	894	949	1,566	1,678	2,197	1,029
Value	67	61	91	112	164	117
4. Bars, Rods, & Profiles	132	232	170	221	34	19
Value	9	15	18	76	13	3
5. Wire	510	579	741	854	810	390
Value	43	41	54	67	69	44
6. Plates, Sheets & Strip	54	120	130	666	1,283	419
Value	8	18	17	58	58	13
7. Foil	-	3	0	3	120	-
Value	-	1	0	2	4	-
8. Tubes, Pipes & Fittings	11	3	12	7	3	18
Value	1	1	1	2	2	3
Total Quantity	25,654	37,867	36,648	46,189	37,566	21,597
Total Value	1,259	1,422	1,401	2,321	2,207	2,214

P : Preliminary

Table 11 Precious Metals Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Silver	1,015	926	1,752	2,060	2,384	857
Metal product	852	896	1,520	1,960 ^E	1,817	808
Jewellery	164	30	232	100	568	49
Value	4,800	5,069	8,717	12,937	14,118	8,007
2. Gold	297	147	158	156	154	73
Metal product	283	137	145	142	144	66
Jewellery	14	11	12	14	10	7
Value	40,000	38,120	34,320	51,320	84,978	37,464
3. Platinum - Group^{1/}	20	5	8	25	44	38
Metal product	7	1	1	1	1	3
Jewellery	13	3	7	16	36	35
Others ^{2/}	0	1	0	9	7	1
Value	1,146	900	1,043	1,200	1,393	716
Total Quantity	1,332	1,078	1,918	2,242	2,583	969
Total Value	45,946	44,089	44,080	65,457	100,489	46,187

1/ : Includes Palladium, Rhodium, Iridium, Osmium and Ruthenium

2/ : Catalyst, Reports, Dishes and Laboratory Product etc.

P : Preliminary

E : Estimates (Source of Customs Department : Quantity of Silver metal product is 10,613 tonnes)

Table 12 Others Import Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Antimony	443	370	501	755	318	302
Value	20	20	49	86	44	58
2. Beryllium	0	6	1	1	2	1
Value	1	3	1	2	2	1
3. Bismuth	11	14	13	18	14	12
Value	6	6	7	10	23	17
4. Cadmium	0	0	0	0	0	0
Value	0	0	1	0	0	0
5. Chromium	19	21	23	31	31	20
Value	12	23	16	28	47	28
6. Cobalt	100	83	118	123	175	123
Value	121	68	111	232	292	174
7. Germanium	-	0	0	0	0	0
Value	-	0	1	1	6	6
8. Magnesium	521	786	941	1,354	1,351	984
Unwrought	431	638	696	938	790	593
Scrap	42	118	169	372	526	376
Other	49	30	76	44	35	16
Value	46	65	78	126	116	77
9. Manganese	190	185	216	234	679	1,054
Value	18	13	16	17	53	59
10. Molybdenum	17	14	40	48	51	26
Powders	3	2	2	2	12	1
Wire	6	5	5	9	4	3
Other	8	7	33	37	35	22
Value	64	69	184	159	236	97
11. Tantalum	23	27	41	83	68	42
Value	674	634	826	1,229	1,177	682
12. Titanium	129	190	110	104	237	118
Value	688	301	182	371	602	367
13. Tungsten	80	97	120	148	198	103
Powders	33	41	50	63	93	38
Wire	22	25	23	28	39	14
Other	26	32	47	57	66	51
Value	166	195	280	382	552	769

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
14. Vanadium	0	0	0	0	0	0
<i>Value</i>	0	0	0	0	0	0
15. Zirconium	100	169	89	143	249	98
<i>Value</i>	8	15	10	12	24	11
16. Other	5	5	0	0	20	20
<i>Value</i>	7	6	2	2	10	2
Total Quantity	1,638	1,967	2,214	3,043	3,392	2,903
Total Value	1,831	1,417	1,764	2,657	3,183	2,347

P : Preliminary

EXPORT

Table 13 Aluminium Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Scrap	13,389	15,321	17,489	20,623	21,298	12,913
Value	658	708	735	944	1,103	911
2. Unwrought	5,139	9,535	6,905	12,312	13,295	4,846
Aluminium	168	140	657	1,339	172	172
Aluminium alloys	4,971	9,395	6,249	10,974	13,123	4,674
Value	333	586	452	902	1,111	469
3. Powders & Flakes	4	12	143	161	8	160
Value	1	2	10	12	1	33
4. Bars, Rods & Profiles	13,124	13,949	17,052	22,489	20,587	11,405
Aluminium	5,026	4,309	10,558	14,301	15,447	9,108
Aluminium alloys	8,098	9,640	6,494	8,188	5,140	2,298
Value	1,085	1,020	1,224	1,746	1,829	1,200
5. Wire	494	167	149	347	47	10
Aluminium	357	121	108	272	0	0
Aluminium alloys	138	46	41	75	47	10
Value	53	11	11	14	8	1
6. Plates, Sheets & Strip (t>0.2mm)	4,642	3,871	7,610	9,927	11,714	6,597
Aluminium	3,723	3,542	6,686	6,736	8,046	4,846
Aluminium alloys	919	329	925	3,191	3,668	1,751
Value	551	372	664	1,023	1,173	745
7. Foil (t<=0.2mm)	1,354	2,321	2,322	3,524	2,292	776
Not backed	1,041	2,022	1,924	2,611	511	168
Backed	313	299	398	913	1,781	607
Value	282	341	346	544	348	141
8. Tubes, Pipes & Fittings	1,190	1,764	2,325	2,808	3,406	2,028
Tubes & Pipes	1,030	1,495	1,883	2,352	2,762	1,679
Fittings	159	269	442	456	644	350
Value	327	458	530	666	943	588
Total Quantity	39,336	46,941	53,996	72,190	72,648	38,736
Total Value	3,289	3,499	3,973	5,851	6,515	4,088

P : Preliminary

Table 14 Copper Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : *Million Baht*

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Matte & Cement	37	-	-	-	0	0
Value	3	-	-	-	0	0
2. Scrap	26,942	22,449	54,920	51,322	58,257^{E3}	30,383
Value	1,121	1,251	2,181	4,546	7,117	5,823
3. Unwrought	394	181	659	4,596	20,668	21,993
Copper	5	13	18	3,893	19,944	21,233
Copper alloys	389	168	641	703	724	760
Value	29	20	52	564	2,684	2,956
4. Powders & Flakes	35	50	60	94	101	34
Value	9	11	14	20	1,246	10
5. Bars, Rods & Profiles	10,806	9,812	7,886	10,185	9,958	6,193
Copper	10,420	9,099	7,046	8,970	9,561	6,102
Copper alloys	387	712	840	1,216	397	91
Value	1,163	907	751	1,359	1,727	1,442
6. Wire	2,243	571	613	889	5,345	622
Copper	1,797	147	324	560	4,878	232
Copper alloys	446	424	289	329	467	390
Value	273	163	168	168	303	124
7. Plates, Sheets & Strip (t>0.15 mm)	898	1,812	5,127	6,890	6,818	5,790
Copper	380	1,034	1,418	1,975	1,889	1,733
Copper alloys	519	779	3,709 ^{E1}	4,915 ^{E2}	4,929	4,056
Value	105	141	474	1,005	1,066	1,239
8. Foil (t<=0.15 mm)	6,944	7,862	6,762	7,390	9,212	4,981
Not backed	1,736	1,443	1,251	1,521	1,884	952
Backed	5,208	6,420	5,511	5,869	7,328	4,029
Value	1,117	983	834	883	1,799	962
9. Tubes, Pipes & Fittings	21,779	25,189	27,596	31,319	23,056	13,468
Tubes & Pipes	18,348	21,420	23,251	25,984	18,699	11,029
Fittings	3,431	3,769	4,346	5,335	4,357	2,439
Value	3,176	3,678	3,865	5,551	4,800	3,660
Total Quantity	70,078	67,927	103,622	112,686	133,416	83,463
Total Value	6,995	7,153	8,341	14,096	20,741	16,214

P : Preliminary

E1 : Estimates (Source of Customs Department : Quantity of Copper Plates, Sheets & Strips is 21,334 tonnes)

E2 : Estimates (Source of Customs Department : Quantity of Copper Plates, Sheets & Strips is 18,916 tonnes)

E3 : Estimates (Source of Customs Department : Quantity of Scrap is 58,257 tonnes)

Table 15 Iron and Steel Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Pig Iron/DRI/HBI	13,562	17,100	19,172	24,006	24,822	43,744
Value	362	373	438	545	525	272
2. Ferro-alloys	121	9	26	21	61	0
Ferro-chromium	-	-	-	-	23	-
Ferro-manganese	1	-	1	10	0	-
Ferro-silico-manganese	-	-	-	-	-	-
Ferro-silicon	121	9	25	11	38	0
Other	0	-	0	-	0	-
Value	2	1	2	1	5	0
3. Scrap	102,465	87,122	117,927	154,321	172,693	95,866
Carbon Steel	56,332	43,870	61,808	87,721	95,802	46,308
Cast Iron	51	131	129	1,554	3,345	2,639
Stainless Steel	35,569	39,784	51,806	57,703	66,168	36,690
Other Alloy Steel	3,470	3,337	4,185	7,343	7,378	10,157
Other	7,043	-	-	-	-	72
Value	1,116	1,414	2,198	3,303	3,972	1,966
4. Semi-Finished Products	9,824	1,007	84,442	72,334	39,654	12,064
Billet	5,478	18	62,541	54,909	39,245	11,913
Billet & Slab (>= 0.25 C)	0	-	18,344	15,898	71	-
Ingot	14	415	48	499	236	112
Slab	41	1	0	-	101	2
Other	4,290	573	3,508	1,028	2	37
Value	91	10	897	993	555	189
5. Long Products	732,827	536,414	568,314	615,732	514,821	299,338
Angles, Shapes & Sections	261,759	250,743	288,344	285,984	257,993	126,563
Bars	261,230	57,773	50,274	54,806	40,194	41,045
Cold-drawn Bars	119,574	131,798	122,918	154,154	91,095	67,377
Wire Rods	13,855	10,788	6,957	9,345	7,588	3,257
Wires	76,409	85,312	99,820	111,442	117,952	61,098
Value	8,403	9,155	10,741	16,348	15,331	7,748
6. Hot Rolled Flat Product	79,826	236,520	275,923	626,613	775,106	253,644
Coil	50,605	216,009	253,549	470,561	460,417	133,806
Plate & Sheet	28,833	20,403	20,619	153,904	313,812	119,347
Strip	388	108	1,756	2,148	877	491
Value	822	3,242	3,941	13,742	15,774	4,760

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
7. Cold Rolled Flat Product	494,486	534,571	641,576	525,762	376,732	156,885
Coil	473,250	428,350	487,786	390,074	276,907	95,835
Plate & Sheet	19,377	105,011	151,864	126,878	95,360	60,466
Strip	1,859	1,211	1,926	8,810	4,464	584
Value	9,793	10,928	15,677	16,527	15,327	5,373
8. Coated Products	122,423	136,062	150,963	141,605	85,694	82,041
Chromium Plate	288	72	49	36	42	63
Electro Galvanized	27,864	46,470	46,336	44,698	17,571	10,609
Hot dip Galvanized	38,714	33,451	52,627	52,153	30,560	32,874
Tinplate	14,071	1,540	1,061	5,668	1,792	2,548
Other	41,485	19,822	10,112	9,799	11,802	14,343
Zincalume/ Color Coated	-	34,707	40,777	29,251	23,927	21,605
Value	2,373	3,047	3,965	4,043	3,968	2,705
9. Pipes & Fittings	284,012	266,659	237,540	287,193	266,299	136,906
Fittings	54,151	56,613	61,034	68,864	64,754	33,339
Seam Pipes	201,940	180,354	142,401	177,245	165,642	90,690
Seamless Pipes	27,921	29,691	34,106	41,085	35,902	12,876
Value	8,732	8,498	9,308	12,852	15,359	7,051
10. Sheet Piling	13,328	14,139	23,749	8,050	22,636	14,276
Stainless Steel	58	0	49	12	48	4
Other Alloy Steel	0	0	0	-	-	-
Other	13,269	14,138	23,701	8,038	22,589	14,272
Value	166	171	360	183	527	313
11. Rails and Accessories	1,715	1,615	1,385	1,171	901	170
Value	50	77	48	54	45	9
Finished Steel Products Total^{1/}	1,728,617	1,725,980	1,899,450	2,206,125	2,042,189	943,259
Finished Steel Products Value^{1/}	30,339	35,118	44,041	63,748	66,330	27,959
Total Quantity	1,854,589	1,831,218	2,121,016	2,456,806	2,279,420	1,094,933
Total Value	31,910	36,915	47,575	68,590	71,387	30,386

1/ : Excludes item 1 - 4

P : Preliminary

Table 16 Lead Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Scrap	761	819	687	964	290	136
Value	47	44	60	84	29	19
2. Unwrought	54	1	144	912	766	666
Lead	12 ^E	0	24	9	100	368
Lead alloys	42	1	120	903	666	298
Value	1	1	4	29	15	32
3. Powders & Flakes	0	0	-	0	0	0
Value	0	0	-	1	0	0
4. Bars, Rods, Profiles & Wire	3	10	15	10	3	0
Value	1	1	2	2	1	0
5. Plates, Sheets, Strip & Foil	6	0	8	38	22	28
Value	0	0	1	5	4	2
6. Tubes, Pipes & Fittings	9	0	2	2	1	0
Value	1	0	0	0	0	0
Total Quantity	834	830	857	1,926	1,082	830
Total Value	51	46	67	121	49	53

P : Preliminary

E : Estimates (Source of Customs Department : Quantity of Lead Unwrought is 5,403 tonnes)

Table 17 Nickel Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Matte & Sinters	-	-	-	-	1	-
Value	-	-	-	-	0	-
2. Scrap	148	138	906	1,137	1,216	476
Value	5	6	82	183	236	88
3. Unwrought	23	0	1	5	7	55
Nickel	23	0	1	5	7	55
Nickel alloys	-	-	-	0	-	-
Value	7	0	0	3	4	31
4. Powders & Flakes	1	-	0	25	46	23
Value	0	-	0	2	5	1
5. Bars, Rods & Profiles	-	-	0	0	8	0
Value	-	-	0	0	3	0
6. Wire	15	0	2	1	2	1
Value	5	0	1	0	1	0
7. Plates, Sheets & Strip	13	6	0	6	2	7
Value	4	6	8	13	3	3
8. Foil	-	-	0	1	0	-
Value	-	-	0	0	0	-
9. Tubes, Pipes & Fittings	1	-	4	3	-	-
Value	0	-	2	1	-	-
Total Quantity	200	144	912	1,178	1,282	561
Total Value	21	13	92	202	253	123

P : Preliminary

Table 18 Tin Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Scrap	168	76	144	207	323	96
Value	2	1	2	4	11	4
2. Unwrought	18,945	12,758	9,837	13,571	24,927	11,431
Tin	18,714	12,661	9,762	13,514	24,855	11,406
Tin alloys	231	97	75	57	72	25
Value	3,649	2,241	1,989	4,681	7,642	3,618
3. Powders & Flakes	-	-	0	30	57	26
Value	-	-	0	11	22	9
4. Bars, Rods, & Profiles	40	263	628	839	1,760	1,703
Value	9	70	176	307	626	548
5. Wire	8	0	2	1	21	40
Value	0	0	1	0	7	14
6. Plates, Sheets & Strip (t>0.2mm)	40	0	-	2	5	19
Value	4	0	-	0	0	1
7. Foil	0	-	-	1	1	0
Value	0	-	-	1	0	0
8. Tubes, Pipes & Fittings	1	0	-	1	-	-
Value	0	0	-	1	-	-
9. Other	553	420	431	444	324	112
Value	240	222	230	246	237	90
Total Quantity	19,755	13,516	11,042	15,097	27,419	13,425
Total Value	3,904	2,536	2,398	5,250	8,545	4,285

P : Preliminary

Table 19 Zinc Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Scrap	510	1,077	1,736	2,088	1,123	1,210
Value	8	26	40	53	29	49
2. Unwrought	66,191	20,334	24,044	17,139	15,628	970
Zinc	60,369	9,170	7,902	2,819	176	119
Zinc alloys	5,823	11,163	16,142	14,321	15,453	852
Value	1,124	756	897	767	864	101
3. Dust, Powders & Flakes	96	748	1,172	1,422	1,544	573
Value	3	14	16	21	27	19
4. Bars, Rods, & Profiles	17	157	17	23	5	2
Value	1	5	1	1	0	0
5. Wire	29	21	129	53	22	14
Value	1	0	3	3	1	0
6. Plates, Sheets & Strip	3,973	6,516	11,277	8,649	12,372	4,211
Value	95	134	274	215	400	134
7. Foil	0	-	0	1	0	84
Value	0	-	0	0	0	2
8. Tubes, Pipes & Fittings	601	422	451	565	419	181
Value	74	49	55	74	72	17
Total Quantity	71,401	29,118	38,809	29,940	31,113	7,244
Total Value	1,305	980	1,284	1,133	1,394	324

P : Preliminary

Table 20 Precious Metals Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Silver	2,427	1,973	2,227	1,745	1,444	791
Metal product	2,418	1,909	201	209	85	79
Jewellery	9	64	2,027	1,536	1,359	711
Value	12,287	13,904	17,502	20,432	21,061	10,380
2. Gold	259	128	173	101	155	103
Metal product	5	42 ^E	49	23	32	38
Jewellery	254	86	124	78	123	65
Value	31,143	38,771	46,161	37,909	54,679	33,197
3. Platinum - Group^{1/}	15	6	17	9	16	17
Metal product	0	0	0	1	2	2
Jewellery	14	6	17	8	14	15
Others ^{2/}	0	-	0	1	0	-
Value	1,566	542	664	657	1,816	764
Total Quantity	2,701	2,107	2,417	1,855	1,614	910
Total Value	44,996	53,218	64,327	58,998	77,556	44,341

1/ : Includes Palladium, Rhodium, Iridium, Osmium and Ruthenium

2/ : Catalyst, Reports, Dishes and Laboratory Product etc.

E : Estimates (Source of Customs Department : Quantity of Gold Metal Products is 1,874 tonnes)

P : Preliminary

Table 21 Others Export Statistics 2001 - 2006 (Jan-Jun)

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
1. Antimony	130	123	370	-	171	117
Value	6	12	34	-	22	23
2. Beryllium	-	-	-	0	-	-
Value	-	-	-	0	-	-
3. Bismuth	-	-	-	0	-	-
Value	-	-	-	1	-	-
4. Cadmium	-	2	1	-	7	0
Value	-	0	0	-	1	0
5. Chromium	-	-	0	0	0	0
Value	-	-	0	0	0	0
6. Cobalt	0	0	0	-	20	0
Value	0	1	0	-	2	0
7. Germanium	-	-	-	0	-	-
Value	-	-	-	0	-	-
8. Magnesium	35	3	30	11	14	-
Unwrought	-	-	30	11	13	-
Scrap	20	-	-	0	-	-
Other	15	3	0	-	0	-
Value	3	0	2	1	0	-
9. Manganese	-	-	-	2,900	-	0
Value	-	-	-	8	-	0
10. Molybdenum	0	0	0	1	5	0
Powders	-	0	-	-	1	-
Wire	-	-	-	-	-	-
Other	0	-	0	1	4	-
Value	0	0	1	2	8	0
11. Tantalum	81	265	108	226	102	91
Value	1,550	1,976	1,288	2,233	826	774
12. Titanium	3	8	4	2	23	18
Value	9	24	16	10	35	16
13. Tungsten	6	16	21	30	60	115
Powders	1	11	6	3	0	4
Wire	0	0	0	1	1	4
Other	4	4	16	26	59	108
Value	4	13	26	61	60	67

ITEM	2001	2002	2003	2004	2005 ^P	2006 ^P (Jan-Jun)
14. Vanadium	-	-	-	-	-	-
<i>Value</i>	-	-	-	-	-	-
15. Zirconium	1	-	-	-	0	0
<i>Value</i>	0	-	-	-	0	0
16. Other	-	3	-	0	-	-
<i>Value</i>	-	2	-	0	-	-
Total Quantity	255	420	535	3,170	401	342
Total Value	1,573	2,028	1,366	2,316	954	881

P : Preliminary

DOMESTIC PRICE

Table 22 Metals Domestic Price Statistics 2006 (Jan-Jul)

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Avg
1. Aluminium	90	110	110	125	130	109	112
2. Antimony	170	165	180	230	230	209	197
3. Brass	130	130	140	150	160	138	141
4. Copper	190	220	220	260	230	296	236
5. Gold^{1/}	675	682	677	722	800	718	712
6. Lead	53	55	54	53	52	51	53
7. Nickel	700	700	650	750	870	833	751
8. Tin	320	330	350	380	385	325	348
9. Zinc	93	105	95	136	160	137	121

Gold Bullion : Weight 1 Baht = 15.244 g

1/ : Unit in Baht/g. Source : Bank of Thailand

Source : Local Market Trader

Table 23 Iron and Steel Domestic Price Statistics 2006 (Jan-Jul)

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Avg
1. Scrap^{1/}	9.06	9.00	9.03	10.01	9.98	10.00	9.51
2. Round Bars							
SR.24 Ø 6 mm.	18.46	18.50	19.66	20.54	20.98	21.14	19.88
3. Round Bars							
SR.24 Ø 12 mm.	17.00	17.08	18.32	19.20	19.64	19.82	18.51
4. Deformed Bars							
SD.30 Ø 12	16.94	17.60	18.28	19.12	19.58	19.68	18.53
5. Deformed Bars							
SD.40 Ø 12	17.14	17.26	18.44	19.32	19.78	19.94	18.65
6. Angle (Size 40x40x4 mm.)	19.57	19.66	21.02	21.50	21.76	21.67	20.86
7. Channel (Size 75x40 mm	19.67	19.76	21.39	21.51	21.81	22.17	21.05
8. Wires (No. 18)	24.20	23.88	25.63	25.38	26.25	26.70	25.34
9. P.C. WIRE	38.83	37.00	37.17	37.17	37.83	37.50	37.58
10. P.C. STRAND	39.50	37.67	37.83	37.83	38.50	38.33	38.28
11. HR coil	18.60	17.38	18.96	21.60	21.74	21.74	20.00

Source: 1/ Entrepreneur

: Bureau of Trade and Economic Indicies

APPENDIX I

METALS WORLD PRICE STATISTICS

Table I-1 Aluminium World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	1,207	1,202	1,152	1,109	1,124	1,163	1,203	1,172	1,116	1,087	1,040	1,095	1,139
1994	1,175	1,270	1,289	1,279	1,323	1,401	1,493	1,460	1,570	1,698	1,893	1,879	1,478
1995	2,061	1,901	1,806	1,849	1,763	1,780	1,860	1,889	1,761	1,675	1,655	1,657	1,805
1996	1,589	1,592	1,612	1,587	1,589	1,482	1,459	1,463	1,407	1,336	1,449	1,500	1,505
1997	1,575	1,580	1,631	1,561	1,625	1,568	1,592	1,711	1,611	1,608	1,599	1,531	1,599
1998	1,486	1,466	1,438	1,419	1,365	1,308	1,310	1,311	1,342	1,304	1,295	1,249	1,358
1999	1,219	1,187	1,182	1,279	1,324	1,316	1,404	1,432	1,493	1,475	1,473	1,155	1,328
2000	1,681	1,671	1,577	1,458	1,467	1,507	1,564	1,528	1,602	1,501	1,474	1,566	1,550
2001	1,616	1,605	1,510	1,497	1,539	1,467	1,417	1,377	1,345	1,283	1,328	1,345	1,444
2002	1,369	1,369	1,405	1,370	1,343	1,354	1,338	1,292	1,301	1,311	1,372	1,375	1,350
2003	1,378	1,422	1,389	1,332	1,398	1,410	1,436	1,456	1,416	1,474	1,508	1,555	1,431
2004	1,606	1,686	1,656	1,730	1,623	1,678	1,709	1,692	1,724	1,820	1,814	1,849	1,716
2005	1,834	1,882	1,982	1,894	1,743	1,731	1,778	1,867	1,840	1,928	2,050	2,247	1,898
2006	2,377	2,455	2,429	2,621	2,861	2,477							2,537

Source : London Metal Exchange (LME)

Table I-2 Antimony World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	1,710	1,709	1,688	1,700	1,666	1,619	1,595	1,609	1,613	1,618	1,643	1,654	1,652
1994	1,694	1,729	1,837	2,056	2,663	3,461	4,756	5,231	5,622	5,914	6,005	5,722	3,891
1995	5,206	5,113	4,769	3,979	3,094	3,039	4,322	4,971	4,807	3,817	3,572	3,386	4,173
1996	3,339	3,531	3,648	3,522	3,088	3,006	2,843	2,806	2,611	2,178	2,048	2,167	2,899
1997	2,345	2,412	2,237	2,390	2,253	2,149	2,039	1,966	1,943	1,910	1,773	1,621	2,087
1998	1,715	1,661	1,611	1,573	1,527	1,450	1,352	1,274	1,356	1,381	1,421	1,262	1,465
1999	1,550	1,550	1,538	1,483	1,425	1,425	1,375	1,375	1,325	1,325	1,275	1,300	1,412
2000	1,225	1,195	1,144	1,080	1,107	1,247	1,511	1,724	1,804	1,698	1,657	1,543	1,411
2001	1,500	1,460	1,445	1,404	1,294	1,177	1,105	1,050	1,408	1,462	1,450	1,295	1,338
2002	1,500	1,450	1,450	1,450	1,450	1,450	1,640	1,990	2,305	3,275	3,275	2,645	1,990
2003	2,608	2,431	2,538	2,591	2,589	2,413	2,350	2,350	2,350	2,260	2,113	2,215	2,401
2004	2,511	2,678	2,933	2,891	2,800	2,706	2,583	3,031	3,033	3,022	3,050	2,888	2,844
2005	2,988	3,144	3,150	3,089	3,156	3,828	3,528	3,667	3,847	3,850	3,850	3,850	3,496
2006	3,890	4,200	4,983	5,682	5,523	4,886							4,861

Source : MB Free Market

Table I-3 Cadmium (99.99%) World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Pound

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	0.65	0.65	0.61	0.55	0.55	0.58	0.58	0.58	0.53	0.53	0.52	0.50	0.57
1994	0.56	0.76	0.72	0.82	0.88	0.82	0.90	1.51	1.79	2.21	2.00	1.88	1.24
1995	1.77	1.69	1.60	1.50	1.41	1.49	2.11	2.28	2.22	2.22	2.30	2.19	1.90
1996	2.08	1.94	1.71	1.60	1.27	1.11	1.23	1.21	1.19	0.96	0.81	0.81	1.33
1997	0.84	0.82	0.78	0.67	0.67	0.63	0.65	0.62	0.56	0.51	0.50	0.44	0.64
1998	0.40	0.44	0.32	0.40	0.67	0.35	0.33	0.31	0.24	0.21	0.22	0.24	0.34
1999	0.24	0.27	0.28	0.27	0.25	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.23
2000	0.21	0.21	0.21	0.21	0.20	0.23	0.21	0.20	0.20	0.20	0.20	0.20	0.21
2001	0.20	0.20	0.24	0.36	0.50	0.46	0.45	0.57	0.60	0.60	0.55	0.40	0.43
2002	0.40	0.40	0.39	0.33	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.38
2003	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.69	0.65	0.65	0.75
2004	0.62	0.60	0.60	0.60	0.61	0.65	0.67	0.73	0.75	0.75	0.75	0.75	0.67
2005	0.78	0.89	0.92	0.95	1.06	1.59	2.15	2.23	2.10	2.03	2.03	2.01	1.56
2006	1.71	1.43	1.15	1.29	1.66	1.81							1.51

Source : MB Free Market

Table I-4 Copper World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	2,259	2,212	2,154	1,952	1,795	1,853	1,927	1,947	1,862	1,651	1,630	1,724	1,914
1994	1,805	1,866	1,915	1,882	2,151	2,364	2,458	2,406	2,506	2,548	2,802	2,985	2,307
1995	3,009	2,878	2,924	2,904	2,773	2,995	3,076	3,037	2,916	2,813	2,977	2,926	2,936
1996	2,615	2,637	2,560	2,595	2,657	2,170	1,984	2,008	1,941	1,961	2,230	2,267	2,302
1997	2,434	2,404	2,421	2,390	2,514	2,613	2,450	2,251	2,107	2,052	1,917	1,762	2,276
1998	1,688	1,665	1,748	1,801	1,733	1,660	1,651	1,621	1,648	1,586	1,574	1,474	1,654
1999	1,431	1,411	1,378	1,466	1,511	1,422	1,640	1,648	1,750	1,724	1,727	1,765	1,573
2000	1,844	1,801	1,739	1,679	1,786	1,753	1,799	1,788	1,960	1,899	1,795	1,851	1,808
2001	1,788	1,766	1,739	1,664	1,682	1,608	1,525	1,464	1,426	1,377	1,428	1,471	1,578
2002	1,504	1,562	1,605	1,590	1,595	1,647	1,589	1,479	1,478	1,483	1,582	1,595	1,559
2003	1,647	1,683	1,659	1,587	1,648	1,686	1,710	1,760	1,789	1,920	2,055	2,201	1,779
2004	2,423	2,759	3,008	2,947	2,733	2,686	2,807	2,845	2,894	3,011	3,122	3,145	2,865
2005	3,169	3,253	3,379	3,394	3,248	3,523	3,614	3,797	3,857	4,059	4,269	4,576	3,678
2006	4,734	4,982	5,102	6,386	8,044	7,196							6,074

Source : London Metal Exchange (LME)

Table I-5 Gold World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	329	329	330	342	367	372	392	380	356	364	374	383	360
1994	387	382	384	378	381	386	385	380	391	390	384	379	384
1995	379	377	382	391	385	388	386	383	383	383	385	387	384
1996	399	405	397	393	392	385	383	388	383	381	378	369	388
1997	355	347	352	344	344	341	324	324	323	325	307	289	331
1998	289	297	296	308	299	292	293	284	289	297	294	290	294
1999	287	287	286	282	277	261	256	257	267	311	293	283	279
2000	284	300	286	280	275	286	282	274	274	270	266	272	279
2001	266	262	263	261	272	270	268	273	285	283	277	276	271
2002*	282	296	294	303	315	321	313	310	319	317	319	343	311
2003	357	360	341	328	355	356	351	360	379	379	389	407	364
2004	414	405	407	404	384	393	380	401	405	420	438	442	408
2005	424	423	434	429	423	431	424	438	457	470	475	510	445
2006	549	555	557	610	674	596							590

Source : London Metal Exchange (LME)

: *World Gold Council

Table I-6 Lead World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	437	414	406	421	407	395	388	388	376	384	400	461	406
1994	490	485	451	440	474	525	580	571	614	642	667	634	548
1995	667	580	586	609	596	612	622	624	593	637	714	732	631
1996	709	769	817	815	840	796	783	815	796	741	716	688	774
1997	692	670	694	642	618	615	634	608	634	600	563	526	625
1998	532	517	560	573	543	528	546	537	520	493	494	501	529
1999	492	514	508	519	541	496	496	503	507	497	478	479	503
2000	472	452	441	421	412	419	452	473	487	486	468	462	454
2001	478	502	498	477	467	444	462	483	465	468	486	483	476
2002	513	480	480	472	452	440	446	423	421	418	442	443	452
2003	444	475	456	437	463	468	514	496	521	587	622	692	515
2004	758	888	886	753	808	870	939	921	935	932	967	974	886
2005	952	977	1,005	985	988	986	854	887	932	1,004	1,018	1,124	976
2006	1,256	1,276	1,192	1,170	1,166	963							1,171

Source : London Metal Exchange (LME)

Table I-7 Nickel World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	5,933	6,041	5,974	5,975	5,765	5,543	5,039	4,723	4,355	4,451	4,636	5,121	5,296
1994	5,580	5,827	5,590	5,410	6,089	6,284	6,230	5,861	6,367	6,750	7,559	8,560	6,342
1995	9,596	8,509	7,536	7,400	7,236	7,874	8,599	8,947	8,408	8,065	8,509	8,094	8,231
1996	7,862	8,216	8,022	8,043	8,027	7,709	7,203	7,054	7,318	7,031	6,943	6,679	7,509
1997	7,170	7,734	7,895	7,315	7,483	7,065	6,838	6,747	6,504	6,380	6,137	5,945	6,934
1998	5,494	5,390	5,399	5,397	5,023	4,479	4,329	4,084	4,106	3,875	4,135	3,881	4,633
1999	4,273	4,630	5,015	5,106	5,403	5,198	5,704	6,452	7,031	7,325	7,953	8,087	6,015
2000	8,314	9,658	10,284	9,731	10,134	8,415	8,164	8,007	8,642	7,683	7,344	7,319	8,641
2001	6,999	6,528	6,138	6,333	7,065	6,645	5,940	5,525	5,030	4,828	5,082	5,267	5,948
2002	6,043	6,029	6,538	6,958	6,761	7,120	7,143	6,717	6,640	6,804	7,314	7,193	6,772
2003	8,026	8,623	8,379	7,910	8,331	8,875	8,797	9,351	9,965	11,047	12,087	14,163	9,630
2004	15,327	15,145	13,715	12,848	11,118	13,534	15,023	13,680	13,271	14,404	14,045	13,769	13,823
2005	14,501	15,345	16,185	16,136	16,920	16,154	14,571	14,887	14,223	12,397	12,111	13,426	14,738
2006	14,550	14,975	14,893	17,932	21,065	20,747							17,360

Source : London Metal Exchange (LME)

Table I-8 Platinum World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	359	359	350	369	385	384	403	393	362	368	375	383	374
1994	388	394	400	397	398	401	411	412	417	419	413	410	405
1995	414	414	416	449	437	438	433	425	430	413	413	410	424
1996	416	420	411	404	401	392	393	400	390	384	382	370	397
1997	359	364	380	371	389	431	416	425	425	424	393	367	395
1998	375	386	399	414	389	356	378	370	360	351	347	350	373
1999	355	365	370	358	356	356	349	349	372	423	435	440	377
2000	473	517	481	497	546	560	560	577	591	580	593	610	549
2001	620	600	584	595	610	579	525	457	459	434	436	460	530
2002*	472	471	512	541	534	556	526	546	556	581	588	596	540
2003	630	682	677	625	650	662	682	693	705	732	760	808	692
2004	851	846	899	881	810	807	809	847	848	843	854	849	845
2005	859	865	868	865	867	880	874	899	915	931	963	979	897
2006	1,029	1,041	1,042	1,102	1,264	1,189							1,111

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-9 Palladium World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	110	110	106	115	120	127	139	137	121	130	128	125	122
1994	124	132	133	134	136	137	146	152	153	155	157	154	143
1995	156	157	163	170	161	159	155	150	144	137	134	132	152
1996	129	139	138	137	132	129	132	127	122	118	117	117	128
1997	121	136	149	154	171	204	179	215	191	205	208	199	178
1998	226	236	262	321	354	284	307	288	283	283	277	297	285
1999	322	352	353	361	330	321	332	340	362	387	401	423	357
2000	441	604	730	570	572	654	704	760	728	740	793	917	684
2001	1,042	972	779	698	656	614	525	455	442	335	336	399	604
2002*	410	374	375	370	357	335	323	325	328	317	286	243	337
2003	255	253	226	163	167	180	173	182	211	202	197	198	201
2004	216	235	268	297	246	229	221	216	211	218	214	192	230
2005	186	182	197	199	190	187	184	187	189	208	246	266	202
2006	274	289	310	353	369	316							318

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-10 Silver World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	3.68	3.66	3.65	3.96	4.46	4.37	5.02	4.84	4.22	4.34	4.53	4.97	4.31
1994	5.14	5.25	5.43	5.31	5.42	5.39	5.28	5.19	5.52	5.46	5.19	4.78	5.28
1995	4.77	4.72	4.65	5.50	5.54	5.35	5.17	5.39	5.44	5.37	5.32	5.18	5.20
1996	5.47	5.62	5.53	5.41	5.37	5.16	5.06	5.13	5.04	4.93	4.83	4.79	5.20
1997	4.76	5.09	5.20	4.76	4.76	4.75	4.36	4.51	4.72	5.01	5.06	5.72	4.89
1998	5.84	6.72	6.24	6.32	5.56	5.27	5.46	5.18	4.99	5.13	4.98	4.86	5.55
1999	5.15	5.52	5.19	5.07	5.28	5.00	5.20	5.30	5.30	5.40	5.20	5.10	5.23
2000	5.18	5.06	5.06	5.00	5.00	4.99	4.97	4.85	4.89	4.83	4.68	4.64	4.93
2001	4.66	4.55	4.40	4.37	4.43	4.36	4.26	4.20	4.36	4.40	4.18	4.34	4.38
2002*	4.52	4.42	4.53	4.57	4.71	4.89	4.92	4.54	4.55	4.40	4.51	4.67	4.60
2003	4.86	4.68	4.55	4.54	4.75	4.56	4.86	5.03	5.21	5.04	5.21	5.65	4.91
2004	6.37	6.48	7.29	7.09	5.88	5.88	6.08	6.71	6.42	7.15	7.51	7.12	6.67
2005	6.66	7.07	7.28	7.16	7.05	7.34	7.04	7.03	7.19	7.70	7.86	8.69	7.34
2006	9.18	9.52	10.38	12.64	13.37	10.77							10.98

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-11 Steel World Price Statistics 2006 (Jan-Jul)

Unit : US\$/Metric Ton

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
US Steel Import													
Rebar													
Min	na	na	na	na	430	na							430
Max	430	431	432	433	500	500							454
Merchant bars													
Min	530	530	530	530	550	570							540
Max	550	550	550	550	565	580							558
Wire rod													
Min	na	na	na	na	460	510							485
Max	460	460	460	460	520	520							480
CR coil													
Min	600	600	600	600	600	na							600
Max	620	620	620	620	720	720							653
HR coil													
Min	520	520	520	520	520	na							520
Max	530	530	530	530	620	620							560
Galvanized coil													
Min	na	na	na	na	750	800							775
Max	750	751	752	753	860	860							788
China													
Billet													
Min	na	318	348	355	395	395							362
Max	na	329	360	365	405	405							373
CR coil													
Min	na	480	480	480	480	533							491
Max	na	490	490	490	490	563							505
HR coil													
Min	na	378	443	455	490	557							465
Max	na	398	453	465	520	567							481

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
<u>Latin America</u>													
Wire rods													
Min	380	390	405	405	430	430							407
Max	400	408	416	410	500	500							439
HR coil													
Min	400	403	410	415	460	460							425
Max	420	425	440	450	480	480							449
CR coil													
Min	500	500	500	510	na	na							503
Max	540	540	540	550	560	560							548
Galvanized coil													
Min	580	580	580	580	580	580							580
Max	600	600	600	600	600	600							600
<u>CIS*</u>													
Slab													
Min	285	285	285	285	369	460							328
Max	340	340	340	340	405	480							374
Billet													
Min	310	306	331	350	371	403							345
Max	330	326	345	360	383	417							360
Rebars													
Min	358	365	384	400	415	440							394
Max	375	380	401	420	426	452							409
Wire rods													
Min	365	365	380	400	415	445							395
Max	375	375	398	420	428	455							409
CR coil													
Min	455	468	493	500	570	590							513
Max	500	524	535	535	630	640							561
HR coil													
Min	343	363	405	420	505	550							431
Max	393	420	455	470	549	570							476
<u>Brussel</u>													
Merchant bars													
Min	420	420	425	430	464	463							437
Max	440	440	445	450	483	483							457
Wire rod													
Min	400	400	405	410	443	450							418
Max	420	420	423	425	460	468							436

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
CR coil													
Min	530	530	548	560	568	580							553
Max	550	550	568	580	588	600							573
ECSC**													
Merchant bars													
Min	na	480	493	580	580	580							na
Max	na	500	513	600	600	600							na
Wire rod													
Min	425	420	461	490	490	500							464
Max	435	440	479	500	500	520							479
HR coil													
Min	360	360	390	430	430	430							400
Max	410	410	455	500	500	500							463
CR coil													
Min	490	490	515	520	520	520							509
Max	540	540	555	560	560	560							553
Galvanized coil													
Min	550	550	575	610	610	610							584
Max	570	570	600	650	650	650							615
Stainless Steel: Asia													
Grade 304 2mm CR Coil													
Min	2,075	2,138	2,400	2,425	2,725	3,000							na
Max	2,250	2,325	2,500	2,525	2,900	3,200							na

Source : Metal Bulletin

* : Commonwealth of Independent States

** : European Coal and Steel Community

Table I-12 Tin World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	5,901	5,791	5,659	5,591	5,504	4,972	4,973	4,809	4,491	4,681	4,641	4,778	5,149
1994	4,943	5,443	5,405	5,386	5,504	5,509	5,311	5,162	5,321	5,474	6,161	5,947	5,464
1995	6,199	5,478	5,532	5,872	5,926	6,671	6,669	6,992	6,328	6,221	6,387	6,290	6,214
1996	6,274	6,192	6,192	6,477	6,409	6,189	6,247	6,107	6,098	5,939	5,989	5,833	6,162
1997	5,875	5,881	5,906	5,745	5,708	5,366	5,443	5,426	5,494	5,561	5,651	5,514	5,631
1998	5,206	5,243	5,477	5,714	5,874	5,970	5,654	5,692	5,486	5,432	5,478	5,258	5,540
1999	5,109	5,269	5,360	5,393	5,649	5,266	5,216	5,230	5,343	5,431	5,842	5,721	5,402
2000	5,928	5,646	5,458	5,384	5,451	5,457	5,341	5,301	5,474	5,282	5,270	5,234	5,436
2001	5,170	5,122	5,046	4,949	4,945	4,828	4,351	3,896	3,695	3,751	4,042	4,018	4,484
2002	3,859	3,728	3,840	4,021	4,147	4,283	4,328	3,831	3,954	4,239	4,227	4,234	4,058
2003	4,433	4,568	4,601	4,563	4,734	4,692	4,736	4,819	4,909	5,233	5,359	6,054	4,892
2004	6,481	6,668	7,616	8,944	9,448	9,189	9,032	9,013	9,010	9,036	9,062	8,549	8,504
2005	7,729	8,083	8,426	8,134	8,119	7,615	7,165	7,183	6,778	6,420	6,154	6,710	7,376
2006	7,046	7,819	7,932	8,846	8,830	7,889							8,060

Source : London Metal Exchange (LME)

Table I-13 Zinc World Price Statistics 1993 - 2006 (Jan-Jul)

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1993	1,061	1,072	996	1,005	982	927	928	884	875	915	929	975	962
1994	997	969	936	924	956	967	964	945	993	1,059	1,152	1,115	998
1995	1,157	1,033	1,023	1,062	1,037	1,010	1,027	1,015	987	980	1,031	1,018	1,032
1996	1,019	1,036	1,064	1,045	1,036	1,008	1,000	1,007	1,000	1,003	1,046	1,036	1,025
1997	1,086	1,179	1,255	1,240	1,311	1,354	1,518	1,654	1,641	1,280	1,117	1,102	1,311
1998	1,097	1,045	1,048	1,097	1,061	1,010	1,040	1,030	1,000	940	967	959	1,025
1999	933	1,017	1,030	1,019	1,041	1,000	1,072	1,131	1,123	1,148	1,147	1,183	1,070
2000	1,179	1,059	1,116	1,128	1,157	1,118	1,136	1,169	1,224	1,096	1,059	1,060	1,125
2001	1,033	1,021	1,005	970	938	895	852	828	799	762	773	755	886
2002	793	771	819	808	769	767	794	747	756	754	765	797	778
2003	781	785	791	754	775	790	827	817	818	898	914	977	827
2004	1,017	1,087	1,105	1,032	1,028	1,021	988	975	975	1,064	1,095	1,180	1,047
2005	1,246	1,326	1,377	1,300	1,243	1,275	1,194	1,298	1,397	1,488	1,611	1,821	1,381
2006	2,090	2,219	2,416	3,084	3,565	3,225							2,766

Source : London Metal Exchange (LME)