

**Statistics Report
BPI 1/2008**

**THAILAND
METAL STATISTICS YEAR 2007**

**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 2007" 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 2005-2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	Quantities			Value ^E		
	2005	2006	2007	2005	2006	2007
1. Antimony	460	544	271	64	115	60
2. Lead	61,100	61,160	73,159	2,385	3,670	7,755
3. Steel^{1/}	11,617	10,134	10,659	230,887	207,750	268,500
4. Tantalum Powder	150	230	142	1,215	2,570	1,429
5. Tin	31,600	27,540	23,104	9,323	10,050	12,453
6. Zinc	104,500	94,779	99,337	5,773	12,700	12,914
7. Gold and Silver	18.5	16.1	10.4	2,940	3,225	2,194
- Gold	4.4	4.3	3.0	2,807	3,070	2,094
- Silver	14.1	11.8	7.4	133	155	100
8. Copper	15,800	27,050	12,714	2,324	7,275	3,445

1/ : Unit in 1,000 Tonnes

E : Estimate

PRODUCTION

Table 2 Nonferrous Production Statistics 2003 - 2007

Unit : Metric Tonnes

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Antimony	12	2	460	544	271	-50
2. Lead	45,300	57,500	61,100	61,160	73,159	20
3. Tantalum Powder	168	317	150	230	142	-38
4. Tin	15,400	20,800	31,600	27,540	23,104	-16
5. Zinc	116,400	115,500	104,500	94,780	99,337	5
6. Gold and Silver	16.8	15.2	18.5	16.1	10.4	-35
- Gold	4.3	4.5	4.4	4.3	3.0	
- Silver	12.5	10.7	14.1	11.8	7.4	
7. Copper	-	5,800	15,800	27,050	12,714	-53

1/ : % Changes as compared with 2006

Table 3 Steel Production Statistics 2003 - 2007

Unit : 1,000 Tonnes

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Semi-finished Products	2,472	4,144	4,232	5,050	5,894	17
2. Long Products^{E1}	3,534	4,907	4,578	3,280	3,912	19
3. Flat Products	5,246	5,783	5,757	5,375	5,304	-1
Hot-Rolled Coils	3,321	3,840	4,434	3,995	3,979	
Hot-Rolled Plates						
Cold-Rolled Coils	1,925	1,943	1,323	1,380	1,315	
4. Others Products^{2/}	24	17	26	49	45	-8
5. Coated Steel	997	1,042	850	1,010	984	-3
Tinplates	274	335	228	300	216	
Tin Free Steel	137	137	129	150	158	
Galvanized Sheets	468	440	311	320	304	
Zincalume, Colorbond, ShutterEx and Paint	119	129	182	240	306	
6. Pipes & Tubes^{E2}	435	436	406	420	414	-1
Steel Products Total^{3/}	10,236	12,185	11,617	10,134	10,659	5

1/ : % Changes as compared with 2006

2/ : Electric Arc Furnace - EAF

3/ : Excludes Item 1

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

E2 : Bank of Thailand

IMPORT

Table 4 Aluminium Import Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	% Δ ^{1/}
1. Scrap	22,364	31,177	31,784	53,405	49,837	-7
Value	1,158	1,768	1,893	3,923	3,576	-9
2. Unwrought	330,317	392,748	386,924	418,445	420,857	1
Aluminium	144,159	184,760 ^E	165,084	197,606	205,877	4
Aluminium alloys	186,158	207,988	221,841	220,838	214,980	-3
Value	20,128	28,092	30,586	41,012	40,043	-2
3. Powders & Flakes	864	1,021	434	546	648	19
Value	78	75	92	110	116	6
4. Bars, Rods & Profiles	4,278	4,141	5,905	9,472	9,919	5
Aluminium	641	650	527	405	700	73
Aluminium alloys	3,638	3,490	5,378	9,067	9,219	2
Value	575	680	970	1,400	1,505	8
5. Wire	2,634	3,258	2,685	2,952	3,438	16
Aluminium	308	225	175	90	94	4
Aluminium alloys	2,326	3,033	2,510	2,862	3,344	17
Value	311	366	339	466	522	12
6. Plates, Sheets & Strip (t>0.2mm)	70,755	80,949	47,690	31,918	40,411	27
Aluminium	7,930	9,670	9,356	9,899	10,953	11
Aluminium alloys	62,825	71,278	38,333	22,019	29,458	34
Value	7,804	9,354	5,809	4,621	5,570	21
7. Foil (t=\leq0.2mm)	26,571	33,275	13,517	12,836	15,001	17
Not backed	22,278	28,054	9,086	8,031	10,297	28
Backed	4,293	5,221	4,431	4,806	4,704	-2
Value	4,290	5,493	2,057	1,968	2,299	17
8. Tubes, Pipes & Fittings	2,391	3,091	6,142	6,670	6,893	3
Tubes & Pipes	2,191	2,839	5,781	6,158	6,441	5
Fittings	200	251	361	512	452	-12
Value	890	1,102	1,875	2,121	1,841	-13
Total Quantity	460,174	549,659	495,081	536,244	547,004	2
Total Value	35,234	46,929	43,621	55,621	55,472	0

1/ : % Changes as compared with 2006

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

Table 5 Copper Import Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Matte & Cement	1	1	1	71	403	471
Value	0	0	0	3	12	329
2. Scrap	4,757	6,560	5,015	6,426	7,583	18
Value	360	608	602	1,227	1,646	34
3. Unwrought	217,016	282,313	246,279	310,884	363,637	17
Copper	205,187	229,840	235,715	301,123	357,575	19
Copper alloys	11,829	52,473	10,564	9,761	6,062	-38
Value	16,243	27,838	35,596	69,499	64,667	-7
4. Powders & Flakes	587	721	1,242	1,090	2,553	134
Value	118	167	1,655	278	687	147
5. Bars, Rods & Profiles	7,705	7,733	11,227	13,422	12,157	-9
Copper	934	946	2,219	1,802	1,245	-31
Copper alloys	6,771	6,786	9,008	11,620	10,912	-6
Value	888	1,255	1,664	3,001	2,996	0
6. Wire	45,421	52,436	39,097	39,950	37,845	-5
Copper	41,128	49,166	35,934	36,437	34,224	-6
Copper alloys	4,293	3,270	3,163	3,513	3,621	3
Value	4,171	6,838	6,431	10,838	13,206	22
7. Plates, Sheets & Strip (t>0.15 mm)	28,732	34,939	35,374	39,949	39,158	-2
Copper	8,594	11,217	11,836	12,592	14,375	14
Copper alloys	20,139	23,722	23,539	27,357	24,783	-9
Value	4,585	7,027	8,048	11,976	12,442	4
8. Foil (t=<0.15 mm)	14,517	15,844	13,215	13,486	14,594	8
Not backed	6,725	7,519	8,012	8,112	7,974	-2
Backed	7,791	8,325	5,203	5,373	6,620	23
Value	3,524	4,159	4,461	5,312	6,075	14
9. Tubes, Pipes & Fittings	11,578	13,778	14,943	17,793	20,988	18
Tubes & Pipes	11,172	13,268	13,898	16,530	19,441	18
Fittings	406	510	1,046	1,263	1,547	22
Value	1,953	2,698	3,293	4,732	6,397	35
Total Quantity	330,314	414,323	366,394	443,071	498,918	13
Total Value	31,844	50,590	61,750	106,865	108,128	1

1/ : % Changes as compared with 2006

Table 6 Iron and Steel Import Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Pig Iron/DRI/HBI	369,589	918,151	967,640	574,104	924,055	61
<i>Value</i>	<i>3,216</i>	<i>8,204</i>	<i>11,740</i>	<i>7,387</i>	<i>12,271</i>	66
2. Ferro-alloys	72,017	84,389	79,975	97,021	106,645	10
Ferro-chromium	8,628	11,031	15,616	18,317	23,252	27
Ferro-manganese	8,070	12,209	9,597	14,476	12,935	-11
Ferro-silicon	26,423	26,240	24,142	27,348	29,999	10
Ferro-silicon-manganese	27,511	32,602	27,748	34,377	36,350	6
Other	1,385	2,307	2,873	2,503	4,109	64
<i>Value</i>	<i>1,834</i>	<i>3,494</i>	<i>3,191</i>	<i>3,229</i>	<i>4,533</i>	40
3. Scrap	1,279,889	1,849,787	1,683,042	1,372,761	1,784,006	30
Carbon Steel	1,220,880	1,696,333	1,451,420	1,179,579	1,330,248	13
Cast Iron	13,463	78,531	194,201	139,908	360,120	157
Stainless Steel	3,970	4,650	3,646	5,496	5,364	-2
Other Alloy Steel	41,562	70,009	33,624	47,631	88,171	85
Other	15	263	152	147	102	-30
<i>Value</i>	<i>9,926</i>	<i>21,383</i>	<i>19,527</i>	<i>14,796</i>	<i>21,329</i>	44
4. Semi-Finished Products	4,166,099	5,012,311	5,709,947	3,924,818	2,444,718	-38
Billet	1,619,441	2,151,221	1,825,237	1,525,704	817,677	-46
Billet & Slab (>= 0.25 C)	313,445	470,573	366,324	281,691	194,266	-31
Ingot	2,009	732	475	523	1,433	174
Slab	2,173,120	2,317,763	3,475,634	2,083,935	1,294,888	-38
Other	58,083	72,022	42,277	32,966	136,454	314
<i>Value</i>	<i>46,177</i>	<i>79,227</i>	<i>95,353</i>	<i>57,676</i>	<i>41,166</i>	-29
5. Long Products	843,077	930,379	1,301,349	1,562,096	1,360,198	-13
Angles, Shapes & Sections	20,262	12,991	21,695	16,739	42,122	152
Bars	268,056	334,562	400,010	811,642	405,171	-50
Cold-drawn Bars	39,203	43,618	51,840	54,472	60,684	11
Wire Rods	443,191	448,759	715,663	553,703	645,724	17
Wires	72,364	90,450	112,141	125,539	206,497	64
<i>Value</i>	<i>20,353</i>	<i>27,549</i>	<i>21,695</i>	<i>38,726</i>	<i>43,242</i>	12
6. Hot Rolled Flat Product	2,990,162	2,718,985	2,940,612	2,362,645	2,934,373	24
Coil	2,565,333	2,466,459	2,597,199	2,140,582	2,654,457	24
Plate & Sheet	418,366	210,669	173,881	174,226	271,510	56
Strip	6,463	41,856	169,533	47,837	8,407	-82
<i>Value</i>	<i>45,038</i>	<i>60,749</i>	<i>84,206</i>	<i>66,241</i>	<i>82,869</i>	25

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
7. Cold Rolled Flat Product	666,749	738,613	857,447	841,489	638,460	-24
Coil	463,986	521,280	551,868	587,060	442,346	-25
Plate & Sheet	165,722	168,302	233,430	186,783	148,733	-20
Strip	37,041	49,032	72,149	67,645	47,381	-30
Value	18,828	24,553	34,134	32,550	26,252	-19
8. Coated Products	895,727	1,086,426	1,459,211	1,529,278	1,702,817	11
Chromium Plate	30,752	33,492	30,832	37,227	49,208	32
Electro Galvanized	131,125	131,444	151,667	153,402	153,236	0
Hot dip Galvanized	462,214	555,110	865,591	804,205	926,608	15
Tinplate	84,085	99,193	75,319	100,506	132,601	32
Other	55,054	132,604	201,851	281,408	165,303	-41
Zincalume/ Color Coated	132,497	134,583	133,951	152,530	275,862	81
Value	21,529	31,689	51,360	46,856	52,957	13
9. Pipes & Fittings	232,664	329,144	500,451	1,075,658	488,636	-55
Fittings	15,444	17,132	22,187	26,072	30,856	18
Seam Pipes	55,786	104,856	114,549	102,611	293,210	186
Seamless Pipes	161,434	207,157 ^E	363,715	946,974	164,570	-83
Value	11,305	18,301	29,663	44,461	30,694	-31
10. Sheet Piling	1,191	714	150	76	2,967	-
Stainless Steel	0	-	0	3	20	-
Other Alloy Steel	0	-	-	-	-	-
Other	1,191	714	149	73	2,947	-
Value	19	14	6	10	263	-
11. Rails and Accessories	24,679	10,909	17,889	22,655	14,837	-35
Value	434	266	712	658	548	-17
Finished Steel Products Total^{2/}	5,654,248	5,815,170	7,077,109	7,393,894	7,142,288	1
Finished Steel Products Value^{2/}	117,505	163,121	221,775	229,502	236,827	7
Total Quantity	11,541,842	13,679,807	15,517,712	13,362,598	12,401,711	-20
Total Value	178,659	275,429	351,586	312,589	316,126	-10

1/ : % Changes as compared with 2006

2/ : Excludes item 1 - 4

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 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Scrap	45	29	3	1	4,877	-
<i>Value</i>	1	3	2	0	227	-
2. Unwrought	84,598	81,244	74,918	87,142	73,971	-15
Lead	76,951	75,086	66,554	78,136	65,853	-16
Lead alloys	7,647	6,159	8,364	9,006	8,118	-10
<i>Value</i>	1,892	3,194	3,275	4,404	6,949	58
3. Powders & Flakes	0	7	94	27	50	83
<i>Value</i>	0	7	5	2	4	98
4. Bars, Rods, Profiles & Wire	408	483	364	306	269	-12
<i>Value</i>	83	167	160	203	212	4
5. Plates, Sheets, Strip & Foil	69	114	92	84	74	-11
<i>Value</i>	13	25	18	15	22	46
6. Tubes, Pipes & Fittings	12	6	0	2	8	311
<i>Value</i>	1	1	0	1	1	121
Total Quantity	85,132	81,884	75,471	87,562	79,249	-9
Total Value	1,990	3,398	3,460	4,625	7,415	60

1/ : % Changes as compared with 2006

Table 8 Nickel Import Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Matte & Sinters	1	0	8,717	1,557	312	-80
<i>Value</i>	0	0	206	146	8	-94
2. Scrap	60	64	89	80	116	45
<i>Value</i>	21	39	47	68	137	100
3. Unwrought	1,903	2,478	2,822	2,403	2,140	-11
Nickel	1,861	2,425	2,756	2,353	2,025	-14
Nickel alloys	41	53	66	50	115	131
<i>Value</i>	718	1,437	1,743	1,871	2,889	54
4. Powders & Flakes	79	125	154	222	109	-51
<i>Value</i>	56	101	107	152	126	-17
5. Bars, Rods & Profiles	9	22	22	29	22	-22
<i>Value</i>	12	22	28	42	38	-11
6. Wire	259	162	216	206	133	-36
<i>Value</i>	121	101	155	156	164	5
7. Plates, Sheets & Strip	113	101	133	316	398	26
<i>Value</i>	29	49	116	288	507	76
8. Foil	1	0	1	4	5	29
<i>Value</i>	2	1	3	9	8 ^E	-9
9. Tubes, Pipes & Fittings	21	62	73	77	33	-57
<i>Value</i>	32	33	62	54	41	-25
Total Quantity	2,445	3,013	12,227	4,894	3,268	-33
Total Value	991	1,782	2,466	2,787	3,917	41

1/ : % Changes as compared with 2006

E : Estimates (Source of Customs Department : Value of Nickel foil is 2,360,879 baht.)

Table 9 Tin Import Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Scrap	-	10	-	-	0	-
<i>Value</i>	-	1	-	-	0	-
2. Unwrought	1,933	9,950	17,377	21,264	15,935	-25
Tin	1,414	9,684	17,142	20,753	15,000	-28
Tin alloys	518	266	235	511	935	83
<i>Value</i>	444	3,393	5,139	6,812	8,099	19
3. Powders & Flakes	6	2	6	5	11	107
<i>Value</i>	2	1	3	3	7	154
4. Bars, Rods, & Profiles	130	215	219	159	334	110
<i>Value</i>	63	144	161	117	221	89
5. Wire	147	132	125	113	93	-18
<i>Value</i>	18	12	18	11	18	54
6. Plates, Sheets & Strip (t>0.2mm)	8	17	194	323	711	120
<i>Value</i>	4	11	28	24	35	43
7. Foil	1	1	10	10	0	-95
<i>Value</i>	1	0	1	1	1	-19
8. Other	15	37	32	37	76	106
<i>Value</i>	16	40	33	40	61	53
Total Quantity	2,240	10,365	17,962	21,910	17,159	-22
Total Value	550	3,603	5,383	7,009	8,407	20

1/ : % Changes as compared with 2006

Table 10 Zinc Import Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Scrap	-	58	65	223	160	-28
<i>Value</i>	-	1	3	14	12	-14
2. Unwrought	34,029	42,702	33,053	33,758	21,057	-38
Zinc	20,944	31,577	23,407	23,073	12,316	-47
Zinc alloys	13,085	11,125	9,646	10,685	8,741	-18
<i>Value</i>	1,220	2,004	1,895	3,896	2,644	-32
3. Dust, Powders & Flakes	1,566	1,678	2,197	2,219	2,535	14
<i>Value</i>	91	112	164	308	365	19
4. Bars, Rods, & Profiles	170	221	34	49	8	-84
<i>Value</i>	18	76	13	7	1	-86
5. Wire	741	854	810	801	609	-24
<i>Value</i>	54	67	69	113	100	-11
6. Plates, Sheets & Strip	130	666	1,283	517	302	-42
<i>Value</i>	17	58	58	20	30	47
7. Foil	0	3	120	0	79	na
<i>Value</i>	0	2	4	0	9	na
8. Tubes, Pipes & Fittings	12	7	3	62	404	551
<i>Value</i>	1	2	2	6	12	123
Total Quantity	36,648	46,189	37,566	37,629	25,154	-33
Total Value	1,401	2,321	2,207	4,364	3,172	-27

1/ : % Changes as compared with 2006

Table 11 Precious Metals Import Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Silver	1,752	2,060	2,384	1,569	2,556	63
Metal product	1,520	1,960 ^E	1,817	1,472	2,300	56
Jewellery	232	100	568	97	256	164
Value	8,717	12,937	14,118	15,097	19,303	28
2. Gold	158	156	154	128	157	23
Metal product	145	142	144	115	111	-3
Jewellery	12	14	10	13	46	251
Value	34,320	51,320	84,978	75,015	62,348	-17
3. Platinum	-	-	-	-	1	na
Unwrought / Powder					0	
Other					1	
Value	-	-	-	-	822	na
4. Palladium	-	-	-	-	0	na
Unwrought / Powder					0	
Other					0	
Value	-	-	-	-	127	na
5. Rhodium	-	-	-	-	0	na
Unwrought / Powder					0	
Other					0	
Value	-	-	-	-	13	na
6. Other	8	25	44	59	1,801	na
Unwrought / Powder					0	
Other					1,801	
Value	1,043	1,200	1,393	1,360	566	na
Total Quantity	1,918	2,242	2,583	1,756	4,515	157
Total Value	44,080	65,457	100,489	91,472	83,179	-9

1/ : % Changes as compared with 2006

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

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

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

Table 12 Others Import Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Antimony	501	755	318	558	506	-9
<i>Value</i>	49	86	44	111	97	-13
2. Beryllium	0.7	0.9	1.5	1.3	2.8	115
<i>Value</i>	1.5	1.8	1.5	1.4	2.5	79
3. Bismuth	13	18	14	26	45	75
<i>Value</i>	7	10	23	41	72	76
4. Cadmium	0	0	0	0	1	-
<i>Value</i>	1	0	0	0	4	-
5. Chromium	23	31	31	32	59	83
<i>Value</i>	16	28	47	57	57	0
6. Cobalt	118	123	175	243	215	-12
<i>Value</i>	111	232	292	360	392	9
7. Germanium	0	0	0	0	-	na
<i>Value</i>	1	1	6	11	-	na
8. Magnesium	941	1,354	1,351	1,450	1,107	-24
<i>Value</i>	78	126	116	120	112	-7
9. Manganese	216	234	679	1,695	1,074	-37
<i>Value</i>	16	17	53	94	136	44
10. Molybdenum	40	48	51	45	55	22
<i>Value</i>	184	159	236	190	249	31
11. Tantalum	41	83	68	91	111	22
<i>Value</i>	826	1,229	1,177	1,450	1,555	7
12. Titanium	110	104	237	200	241	21
<i>Value</i>	182	371	602	549	466	-15
13. Tungsten	120	148	198	249	273	10
<i>Value</i>	280	382	552	583	435	-25
14. Zirconium	89	143	249	217	224	3
<i>Value</i>	10	12	24	30	20	-34
15. Other	0	0	20	42	68	61
<i>Value</i>	2	2	10	8	29	260
Total Quantity	2,214	3,043	3,392	4,850	3,982	-18
Total Value	1,764	2,657	3,183	3,606	3,627	1

1/ : % Changes as compared with 2006

EXPORT

Table 13 Aluminium Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Scrap	17,489	20,623	21,298	26,311	30,076	14
Value	735	944	1,103	1,864	1,849	-1
2. Unwrought	6,905	12,312	13,295	11,414	19,749	73
Aluminium	657	1,339	172	230	847	268
Aluminium alloys	6,249	10,974	13,123	11,184	18,903	69
Value	452	902	1,111	1,136	1,670	47
3. Powders & Flakes	143	161	8	789	305	-61
Value	10	12	1	137	46	-66
4. Bars, Rods & Profiles	17,052	22,489	20,587	28,956	33,609	16
Aluminium	10,558	14,301	15,447	24,648	30,491	24
Aluminium alloys	6,494	8,188	5,140	4,308	3,118	-28
Value	1,224	1,746	1,829	3,097	3,330	8
5. Wire	149	347	47	59	133	127
Aluminium	108	272	0	0	0	329
Aluminium alloys	41	75	47	59	133	127
Value	11	14	8	10	25	153
6. Plates, Sheets & Strip (t>0.2mm)	7,610	9,927	11,714	12,377	11,629	-6
Aluminium	6,686	6,736	8,046	8,997	11,322	26
Aluminium alloys	925	3,191	3,668	3,380	307	-91
Value	664	1,023	1,173	1,421	1,277	-10
7. Foil (t<=0.2mm)	2,322	3,524	2,292	2,924	4,997	71
Not backed	1,924	2,611	511	907	1,681	85
Backed	398	913	1,781	2,017	3,316	64
Value	346	544	348	494	1,234	150
8. Tubes, Pipes & Fittings	2,325	2,808	3,406	3,799	3,311	-13
Tubes & Pipes	1,883	2,352	2,762	3,197	2,552	-20
Fittings	442	456	644	602	759	26
Value	530	666	943	1,149	998	-13
Total Quantity	53,996	72,190	72,648	86,628	103,809	20
Total Value	3,973	5,851	6,515	9,307	10,430	12

1/ : % Changes as compared with 2006

Table 14 Copper Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Matte & Cement	-	-	0	0	26	-
Value	-	-	0	0	5	-
2. Scrap	54,920	51,322	58,257	60,410	68,900 ^{E3}	14
Value	2,181	4,546	7,117	12,364	13,338	8
3. Unwrought	659	4,596	20,668	54,288	58,335	7
Copper	18	3,893	19,944	53,214	57,338	8
Copper alloys	641	703	724	1,074	997	-7
Value	52	564	2,684	8,926	9,091	2
4. Powders & Flakes	60	94	101	169	7,732	4,476
Value	14	20	1,246	25	609	2,356
5. Bars, Rods & Profiles	7,886	10,185	9,958	14,828	19,249	30
Copper	7,046	8,970	9,561	14,544	18,975	30
Copper alloys	840	1,216	397	284	274	-4
Value	751	1,359	1,727	4,109	5,375	31
6. Wire	613	889	5,345	1,215	3,702	205
Copper	324	560	4,878	544	3,103	470
Copper alloys	289	329	467	670	599	-11
Value	168	168	303	308	1,072	248
7. Plates, Sheets & Strip (t>0.15 mm)	5,127	6,890	6,818	11,331	12,361	9
Copper	1,418	1,975	1,889	3,909	4,222	8
Copper alloys	3,709 ^{E1}	4,915 ^{E2}	4,929	7,422	8,139	10
Value	474	1,005	1,066	2,875	3,242	13
8. Foil (t<=0.15 mm)	6,762	7,390	9,212	10,501	10,358	-1
Not backed	1,251	1,521	1,884	2,117	2,531	20
Backed	5,511	5,869	7,328	8,384	7,827	-7
Value	834	883	1,799	1,943	2,028	4
9. Tubes, Pipes & Fittings	27,596	31,319	23,056	27,611	44,210	60
Tubes & Pipes	23,251	25,984	18,699	22,986	40,889	78
Fittings	4,346	5,335	4,357	4,625	3,321	-28
Value	3,865	5,551	4,800	8,596	11,595	35
Total Quantity	103,622	112,686	133,416	180,353	224,873	25
Total Value	8,341	14,096	20,741	39,146	46,355	18

1/ : % Changes as compared with 2006

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 106,897 tonnes)

Table 15 Iron and Steel Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Pig Iron/DRI/HBI	19,172	24,006	24,822	99,998	52,031	-48
Value	438	545	525	634	730	15
2. Ferro-alloys	26	21	61	33	13,129	na
Ferro-chromium	-	-	23	-	10,466	na
Ferro-manganese	1	10	0	0	40	na
Ferro-silico-manganese	-	-	-	-	0	na
Ferro-silicon	25	11	38	32	2,049	na
Other	0	-	0	0	574	na
Value	2	1	5	2	808	na
3. Scrap	117,927	154,321	172,693	245,428	298,202	22
Carbon Steel	61,808	87,721	95,802	134,364	169,968	26
Cast Iron	129	1,554	3,345	4,406	9,993	127
Stainless Steel	51,806	57,703	66,168	72,774	54,704	-25
Other Alloy Steel	4,185	7,343	7,378	33,812	63,537	88
Other	-	-	-	72	-	100
Value	2,198	3,303	3,972	5,478	8,066	47
4. Semi-Finished Products	84,442	72,334	39,654	18,471	132,499	617
Billet	62,541	54,909	39,245	18,101	93,222	415
Billet & Slab (>= 0.25 C)	18,344	15,898	71	8	37,669	-
Ingot	48	499	236	300	1,525	409
Slab	0	-	101	2	78	-
Other	3,508	1,028	2	61	6	-91
Value	897	993	555	349	2,467	606
5. Long Products	568,314	615,732	514,821	625,388	606,421	-3
Angles, Shapes & Sections	288,344	285,984	257,993	279,774	271,353	-3
Bars	50,274	54,806	40,194	83,394	114,726	38
Cold-drawn Bars	122,918	154,154	91,095	124,257	100,564	-19
Wire Rods	6,957	9,345	7,588	8,654	26,309	204
Wires	99,820	111,442	117,952	129,310	93,470	-28
Value	10,741	16,348	15,331	17,134	16,796	-2
6. Hot Rolled Flat Product	275,923	626,613	775,106	736,422	898,304	22
Coil	253,549	470,561	460,417	465,745	704,176	51
Plate & Sheet	20,619	153,904	313,812	269,711	193,144	-28
Strip	1,756	2,148	877	966	984	2
Value	3,941	13,742	15,774	15,277	18,062	18

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
7. Cold Rolled Flat Product	641,576	525,762	376,732	282,145	417,016	48
Coil	487,786	390,074	276,907	153,797	186,108	21
Plate & Sheet	151,864	126,878	95,360	126,486	228,694	81
Strip	1,926	8,810	4,464	1,862	2,214	19
Value	15,677	16,527	15,327	11,537	15,027	30
8. Coated Products	150,963	141,605	85,694	160,227	238,453	49
Chromium Plate	49	36	42	204	494	142
Electro Galvanized	46,336	44,698	17,571	20,804	21,572	4
Hot dip Galvanized	52,627	52,153	30,560	45,565	56,426	24
Tinplate	1,061	5,668	1,792	3,830	3,245	-15
Other	10,112	9,799	11,802	36,130	41,049	14
Zincalume/ Color Coated	40,777	29,251	23,927	53,693	115,668	115
Value	3,965	4,043	3,968	5,212	7,543	45
9. Pipes & Fittings	237,540	287,193	266,299	285,661	285,800	0
Fittings	61,034	68,864	64,754	72,187	77,924	8
Seam Pipes	142,401	177,245	165,642	192,872	189,337	-2
Seamless Pipes	34,106	41,085	35,902	20,602	18,540	-10
Value	9,308	12,852	15,359	17,675	18,745	6
10. Sheet Piling	23,749	8,050	22,636	25,770	36,989	44
Stainless Steel	49	12	48	12	42	250
Other Alloy Steel	0	-	-	34	5	100
Other	23,701	8,038	22,589	25,723	36,942	44
Value	360	183	527	587	964	64
11. Rails and Accessories	1,385	1,171	901	703	593	-16
Value	48	54	45	35	46	32
Finished Steel Products Total^{2/}	1,899,450	2,206,125	2,042,189	2,116,316	2,483,575	17
Finished Steel Products Value^{2/}	44,041	63,748	66,330	67,456	77,182	14
Total Quantity	2,121,016	2,456,806	2,279,420	2,480,246	2,979,436	20
Total Value	47,575	68,590	71,387	73,920	89,253	21

1/ : % Changes as compared with 2006

2/ : Excludes item 1 - 4

Table 16 Lead Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Scrap	687	964	290	271	229	-16
<i>Value</i>	<i>60</i>	<i>84</i>	<i>29</i>	<i>39</i>	<i>57</i>	48
2. Unwrought	144	912	766	2,174	1,172	-46
Lead	24	9	100	893	495	-45
Lead alloys	120	903	666	1,281	677	-47
<i>Value</i>	<i>4</i>	<i>29</i>	<i>15</i>	<i>113</i>	<i>101</i>	-11
3. Powders & Flakes	-	0	0	170	0	na
<i>Value</i>	-	1	0	11	0	na
4. Bars, Rods, Profiles & Wire	15	10	3	0	52	na
<i>Value</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>0</i>	<i>15</i>	na
5. Plates, Sheets, Strip & Foil	8	38	22	33	22	-34
<i>Value</i>	<i>1</i>	<i>5</i>	<i>4</i>	<i>4</i>	<i>3</i>	-28
6. Tubes, Pipes & Fittings	2	2	1	0	4	1,266
<i>Value</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	380
Total Quantity	857	1,926	1,082	2,648	1,479	-44
Total Value	67	121	49	167	176	6

1/ : % Changes as compared with 2006

Table 17 Nickel Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Matte & Sinters	-	-	1	2	0	-100
Value	-	-	0	1	0	-100
2. Scrap	906	1,137	1,216	994	1,056	6
Value	82	183	236	258	1,096	326
3. Unwrought	1	5	7	55	0	-100
Nickel	1	5	7	55	0	-99
Nickel alloys	-	0	-	-	0	na
Value	0	3	4	31	1	-98
4. Powders & Flakes	0	25	46	46	41	-10
Value	0	2	5	2	7	335
5. Bars, Rods & Profiles	0	0	8	0	0	na
Value	0	0	3	0	0	na
6. Wire	2	1	2	1	9	na
Value	1	0	1	0	1	na
7. Plates, Sheets & Strip	0	6	2	7	0	na
Value	8	13	3	4	0	na
8. Foil	0	1	0	0	1 ^E	na
Value	0	0	0	0	1	na
9. Tubes, Pipes & Fittings	4	3	-	27	484	na
Value	2	1	-	6	37	na
Total Quantity	912	1,178	1,282	1,132	1,592	41
Total Value	92	202	253	301	1,144	281

1/ : % Changes as compared with 2006

E : Estimates (Source of Customs Department : Quantity of Nickel foil is 8.8 ton.)

Table 18 Tin Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Scrap	144	207	323	328	1,226	274
<i>Value</i>	2	4	11	11	286	2,455
2. Unwrought	9,837	13,571	24,927	19,913	18,898	-5
Tin	9,762	13,514	24,855	19,857	18,813	-5
Tin alloys	75	57	72	55	85	54
<i>Value</i>	1,989	4,681	7,642	6,502	9,523	46
3. Powders & Flakes	0	30	57	73	0	na
<i>Value</i>	0	11	22	25	0	na
4. Bars, Rods, & Profiles	628	839	1,760	2,400	1,093	-54
<i>Value</i>	176	307	626	816	547	-33
5. Wire	2	1	21	60	98	64
<i>Value</i>	1	0	7	22	40	85
6. Plates, Sheets & Strip (t>0.2mm)	-	2	5	26	15	-42
<i>Value</i>	-	0	0	2	15	696
7. Foil	-	1	1	0	10	na
<i>Value</i>	-	1	0	0	6	na
8. Other	431	444	324	244	224	-8
<i>Value</i>	230	246	237	190	216	14
Total Quantity	11,042	15,097	27,419	23,044	21,564	-6
Total Value	2,398	5,250	8,545	7,568	10,631	40

1/ : % Changes as compared with 2006

Table 19 Zinc Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Scrap	1,736	2,088	1,123	3,563	5,600	57
<i>Value</i>	40	53	29	182	126	-31
2. Unwrought	24,044	17,139	15,628	4,855	14,307	195
Zinc	7,902	2,819	176	2,468	6,323	156
Zinc alloys	16,142	14,321	15,453	2,386	7,984	235
<i>Value</i>	897	767	864	704	1,726	145
3. Dust, Powders & Flakes	1,172	1,422	1,544	1,576	1,951	24
<i>Value</i>	16	21	27	85	74	-13
4. Bars, Rods, & Profiles	17	23	5	6	2	-64
<i>Value</i>	1	1	0	0	0	na
5. Wire	129	53	22	62	56	-10
<i>Value</i>	3	3	1	2	3	24
6. Plates, Sheets & Strip	11,277	8,649	12,372	4,812	1,588	-67
<i>Value</i>	274	215	400	149	33	-78
7. Foil	0	1	0	84	23	-72
<i>Value</i>	0	0	0	2	2	10
8. Tubes, Pipes & Fittings	451	565	419	520	841	62
<i>Value</i>	55	74	72	40	43	8
Total Quantity	38,809	29,940	31,113	15,478	24,368	57
Total Value	1,284	1,133	1,394	1,165	2,009	72

1/ : % Changes as compared with 2006

Table 20 Precious Metals Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Silver	2,227	1,745	1,444	2,885	4,083	42
Metal product	201	209	85	192	279	45
Jewellery	2,027	1,536	1,359	2,693	3,804	41
Value	17,502	20,432	21,061	22,875	28,714	26
2. Gold	173	101	155	51	165	224
Metal product	49	23	32	51	78	52
Jewellery	124	78	123	239 ^E	88	-63
Value	46,161	37,909	54,679	61,888	93,798	52
3. Platinum	-	-	-	-	6	na
Unwrought / Powder					2	
Other					4	
Value	-	-	-	-	713	na
4. Palladium	-	-	-	-	6	na
Unwrought / Powder					0	
Other					6	
Value	-	-	-	-	4	na
5. Rhodium	-	-	-	-	12	na
Unwrought / Powder					12	
Other					0	
Value	-	-	-	-	18	na
6. Other	17	9	16	376	2,865	na
Unwrought / Powder					0	
Other					2,865	
Value	664	657	1,816	1,538	1,897	na
Total Quantity	2,417	1,855	1,614	5,702	7,137	25
Total Value	64,327	58,998	77,556	86,300	125,144	45

1/ : % Changes as compared with 2006

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

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

E : Estimates (Source of Customs Department : Quantity of Gold Jewellery Products is 2,390 tonnes)

Table 21 Others Export Statistics 2003 - 2007

Unit : Metric Tonnes

Value : Million Baht

ITEM	2003	2004	2005	2006	2007	%Δ ^{1/}
1. Antimony	370	-	171	170	90	-47
Value	34	-	22	33	12	-65
2. Beryllium	-	0	-	-	0	na
Value	-	0	-	-	0	na
3. Bismuth	-	0	-	0	48	na
Value	-	1	-	3	1	na
4. Cadmium	1	-	7	4	1	na
Value	0	-	1	0	0	na
5. Chromium	0	0	0	0	4	na
Value	0	0	0	0	0	na
6. Cobalt	0	-	20	0	2	na
Value	0	-	2	0	3	na
7. Germanium	-	0	-	-	-	na
Value	-	0	-	-	-	na
8. Magnesium	30	11	14	6	11	na
Value	2	1	0	0	0	na
9. Manganese	-	2,900	-	1	0	na
Value	-	8	-	0	0	na
10. Molybdenum	0	1	5	0	1	na
Value	1	2	8	0	2	na
11. Tantalum	108	226	102	168	79	-53
Value	1,288	2,233	826	1,574	795	-49
12. Titanium	4	2	23	26	71	177
Value	16	10	35	24	61	154
13. Tungsten	21	30	60	240	255	6
Value	26	61	60	105	65	-38
14. Zirconium	-	-	0	0	28	na
Value	-	-	0	0	1	na
15. Other	-	0	-	0	0	na
Value	-	0	-	1	0	na
Total Quantity	535	3,170	401	615	591	-4
Total Value	1,366	2,316	954	1,742	940	-46

1/ : % Changes as compared with 2006

DOMESTIC PRICE

Table 22 Metals Domestic Price Statistics 2007

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1. Aluminium	120	115	112	114	113	109	109	103	98	100	102	98	108
2. Antimony	227	217	215	230	231	231	232	196	216	216	216	216	220
3. Brass	216	207	212	231	240	260	267	250	267	275	267	249	245
4. Copper	229	221	237	298	280	285	302	286	291	304	265	252	271
5. Gold^{1/}	704	735	718	736	723	708	700	707	752	827	849	842	750
6. Lead	78	75	81	84	87	99	124	125	129	147	138	105	106
7. Nickel	1,392	1,544	1,713	1,858	1,925	1,543	1,239	1,022	1,095	1,151	1,133	962	1,381
8. Tin	453	493	521	527	530	529	552	567	562	501	624	608	539
9. Zinc	155	133	130	146	151	143	141	130	116	119	103	97	130

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 2007

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1. Scrap^{1/}	10.0	10.0	10.0	11.0	11.0	11.0	13.0	13.0	13.0	13.0	13.0	15.0	11.9
2. Round Bars SR.24 Ø 12 mm.	19.0	19.5	20.5	20.4	20.3	20.7	20.4	20.1	20.4	22.0	23.1	23.4	20.8
3. Deformed Bars SD.30 Ø 12 mm.	19.0	19.4	20.4	20.3	20.3	20.7	20.3	19.9	20.2	21.6	22.7	23.1	20.7
4. Deformed Bars SD.40 Ø 12 mm.	19.2	19.6	20.5	20.5	20.4	20.7	20.4	20.1	20.3	21.8	22.8	23.3	20.8
5. Angle (Size 40x40x4 mm.)	20.9	22.0	22.7	22.2	21.8	22.4	22.3	21.6	22.4	24.3	25.2	25.9	22.8
6. Channel (Size 75x40x40x5 mm.)	22.0	22.6	23.3	23.3	22.3	22.8	22.2	21.9	22.2	23.8	25.2	25.7	23.1
7. Wires (No. 18)	25.6	26.0	26.5	27.5	28.3	29.2	26.0	25.6	26.4	27.5	29.0	29.7	27.3
8. P.C. WRE	36.8	36.8	36.8	37.0	37.0	37.3	37.3	37.3	37.3	37.5	37.5	37.7	37.2
9. P.C. STRAND	37.5	37.5	37.5	37.7	37.7	38.0	38.0	38.0	38.0	38.2	38.2	38.3	37.9
10. HR coil (2 mm.)	20.4	20.8	20.8	21.2	21.2	21.2	20.5	20.3	20.8	22.4	24.0	24.5	21.5
11. Stainless steel sheet (1.5 mm.)	157.8	162.7	169.5	191.1	199.0	190.1	186.3	156.8	149.0	152.9	154.0	149.0	168.2

Source: 1/ Entrepreneur

: Bureau of Trade and Economic Indicies

APPENDIX I

METALS WORLD PRICE STATISTICS

Table I-1 Aluminium World Price Statistics 1994 - 2007

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	2,512	2,459	2,472	2,654	2,702	2,813	2,569
2007	2,818	2,831	2,762	2,815	2,793	2,677	2,679	2,517	2,391	2,442	2,507	2,383	2,635

Source : London Metal Exchange (LME)

Table I-2 Antimony World Price Statistics 1998 - 2007

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	5,234	5,450	5,359	5,360	5,485	5,500	5,129
2007	5,550	5,550	5,575	5,550	5,519	5,375	5,400	5,500	5,560	5,613	5,625	5,613	5,536

Source : MB Free Market

Table I-3 Cadmium (99.99%) World Price Statistics 1998 - 2007

Unit : US\$/Pound

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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.	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	1.70	1.66	1.41	1.36	1.56	1.85	1.55
2007	1.96	2.33	2.40	2.73	4.63	5.95	5.78	4.50	4.16	3.62	3.68	3.68	3.79

Source : MB Free Market

Table I-4 Copper World Price Statistics 1998 - 2007

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	7,710	7,694	7,601	7,499	7,028	6,199	6,681
2007	5,639	5,680	6,180	7,766	7,674	7,476	7,974	7,510	7,649	8,008	6,934	6,567	7,088

Source : London Metal Exchange (LME)

Table I-5 Gold World Price Statistics 1998 - 2007

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	635	632	597	586	627	630	604
2007	624	660	651	679	625	659	661	666	707	746	807	803	691

Source : London Metal Exchange (LME)

: *World Gold Council

Table I-6 Lead World Price Statistics 1998 - 2007

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	1,052	1,173	1,342	1,531	1,624	1,724	1,289
2007	1,660	1,782	1,914	2,001	2,102	2,426	3,084	3,112	3,227	3,720	3,314	2,589	2,578

Source : London Metal Exchange (LME)

Table I-7 Nickel World Price Statistics 1998 - 2007

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	26,569	30,728	30,117	32,693	32,100	33,540	24,159
2007	35,567	41,273	46,325	50,267	52,113	41,719	33,426	27,529	28,919	31,055	30,561	25,897	37,054

Source : London Metal Exchange (LME)

Table I-8 Platinum World Price Statistics 1998 - 2007

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	1,229	1,234	1,184	1,084	1,183	1,117	1,141
2007	1,145	1,200	1,224	1,272	1,309	1,289	1,298	1,281	1,288	1,393	1,451	1,475	1,302

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-9 Palladium World Price Statistics 1998 - 2007

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	329	322	313	325	328	320
2007	337	342	352	366	370	371	369	354	334	362	371	352	357

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-10 Silver World Price Statistics 1998 - 2007

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	11.21	12.25	11.60	11.62	12.98	13.00	11.54
2007	12.24	13.96	13.16	13.73	13.17	13.16	12.93	12.37	12.89	13.72	14.68	14.31	13.36

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-11 Steel World Price Statistics 2007

Unit : US\$/Metric Ton

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
US													
Pig iron	309	313	313	313	313	313	313	313	313	313	313	353	316
Scrap (HMS 1&2)	257	274	301	310	292	289	275	265	268	268	268	289	280
Rebars	490	564	626	645	638	578	550	550	550	546	534	535	567
Wire rods	500	508	555	630	633	645	640	640	600	600	615	620	599
CR coil	615	614	679	691	685	653	600	600	605	610	610	610	631
HR coil	520	514	584	618	611	580	540	540	520	520	520	520	549
Galvanized coil	830	830	830	830	830	830	830	830	830	830	830	830	830
China													
Billet	411	418	473	483	499	507	500	503	544	524	510	510	490
Rebars	-	-	-	-	-	-	525	526	548	537	530	530	533
Wire rods	-	-	-	-	-	-	515	547	558	543	540	540	541
CR coil	577	582	583	586	590	592	594	599	611	613	624	628	598
HR coil	470	481	560	561	591	583	528	530	556	563	578	605	551
Galvanized sheet	780	780	780	780	780	780	780	780	780	780	780	780	780
CIS*													
Pig iron	300	318	344	353	353	353	353	353	340	340	340	340	341
Slab	433	435	455	499	538	535	535	535	528	530	530	534	507
Billet	424	476	525	539	508	490	476	481	512	499	498	531	497
Rebars	456	497	575	591	575	549	544	550	568	555	543	569	548
Wire rods	449	483	507	554	558	554	555	555	545	545	544	559	534
CR coil	570	600	630	630	630	620	615	660	635	635	634	639	625
HR coil	513	526	554	566	565	553	550	590	563	583	588	593	562
EU (Brussel)													
Scrap (HMS 1&2)	267	283	322	317	305	301	284	286	295	295	295	311	297
Rebars	445	445	451	491	523	530	530	523	523	530	530	535	505
Wire rods	478	478	478	505	538	545	550	555	558	570	570	570	533
CR coil	625	625	625	643	655	658	658	649	649	665	665	673	649
HR coil	520	520	520	541	558	560	558	555	562	584	580	588	554
Galvanized sheet	683	683	684	722	743	753	757	755	766	775	775	783	740
Stainless Steel													
CR Coil 2 mm. (304)													
ASIA	4,225	4,313	4,475	4,860	5,200	5,300	4,925	4,140	3,900	3,960	3,975	3,925	4,433
EU	4,400	4,350	4,500	4,350	5,175	5,200	5,200	5,200	5,200	5,200	5,200	5,200	4,931

Source : Metal Bulletin

* : Commonwealth of Independent States

Table I-12 Tin World Price Statistics 1998 - 2007

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	8,410	8,492	9,031	9,759	10,070	11,615	8,812
2007	11,391	12,992	13,893	14,053	14,145	14,107	14,747	15,160	15,023	16,071	16,703	16,274	14,547

Source : London Metal Exchange (LME)

Table I-13 Zinc World Price Statistics 1998 - 2007

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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	3,339	3,346	3,402	3,822	4,381	4,258	3,262
2007	3,735	3,302	3,271	3,557	3,821	3,603	3,547	3,261	2,881	2,975	2,532	2,349	3,236

Source : London Metal Exchange (LME)