

Statistics Report
BPI 8/2006

THAILAND
METAL STATISTICS YEAR 2005

Bureau of Primary Industries
Department of Primary Industries and Mines

Director General- Department of Primary Industries and Mines
Mr. Anusorn Nuangpolmak

Director - Bureau of Primary Industries
Mr.Surapong Chiengtong

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Department of Primary Industries and Mines,
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PREFACE

The publication of metal statistics entitled "Thailand Metal Statistics Year 2005" 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 2003-2005**Unit : Metric Tonnes****Value : Million Baht**

ITEM	Quantities			Value ^E		
	2003	2004	2005	2003	2004	2005
1. Antimony	12	2	460	1	0	64
2. Lead	45,300	57,500	61,100	930	2,010	2,385
3. Steel^{1/}	10,236	12,185		186,500	267,800	230,887
4. Tantalum Powder	168	317	150	2,190	4,120	1,215
5. Tin	15,400	20,800	31,600	3,100	6,780	9,323
6. Zinc	116,400	115,500	104,500	3,850	4,620	5,773
7. Gold and Silver	16.8	15.2	18.5	2,184	2,342	2,940
- Gold	4.3	4.5	4.4	2,077	2,250	2,807
- Silver	12.5	10.7	14.1	107	92	133
8. Copper	-	5,800	15,800	-	725	2,324

1/ : Unit in 1,000 Tonnes

E : Estimate

PRODUCTION

Table 2 Nonferrous Production Statistics 2001 - 2005

Unit : Metric Tonnes

ITEM	2001	2002	2003	2004	2005	%Δ ^{1/}
1. Antimony	12	0	12	2	460	22,900
2. Lead	30,000	42,900	45,300	57,500	61,100	6
3. Tantalum Powder	150	102	168	317	150	-53
4. Tin	22,900	18,600	15,400	20,800	31,600	52
5. Zinc	104,300	104,800	116,400	115,500	104,500	-10
6. Gold and Silver	1.5	23.0	16.8	15.2	18.5	22
- Gold	0.3	4.9	4.3	4.5	4.4	-2
- Silver	1.2	18.0	12.5	10.7	14.1	32
7. Copper	-	-	-	5,800	15,800	-

1/ : % Changes as compared with 2004

Table 3 Steel Production Statistics 2001 - 2005

Unit : 1,000 Tonnes

ITEM	2001	2002	2003	2004	2005	%Δ ^{1/}
1. Semi-finished Products	1,711	2,008	2,472	4,144	4,232	2
2. Long Products ^{E1}	2,500	3,343	3,534	4,907	4,578	-7
3. Flat Products	3,358	4,617	5,246	5,783	5,757	0
Hot-Rolled Coils	1,895	2,952	3,321	3,840	4,434	15
Hot-Rolled Plates						
Cold-Rolled Coils	1,464	1,665	1,925	1,943	1,323	-32
4. Others Products ^{2/}	46	46	24	17	26	53
5. Coated Steel	825	944	997	1,042	850	-18
Tinplates	212	244	274	335	228	-32
Tin Free Steel	104	109	137	137	129	-6
Galvanized Sheets	326	444	468	440	311	-29
Zincalume, Colorbond, ShutterEx and Paint	183	147	119	129	182	41
6. Pipes & Tubes ^{E2}	510	511	435	436	406	-7
Steel Products Total ^{3/}	7,240	9,461	10,236	12,185	11,617	-5

1/ : % Changes as compared with 2004

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 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Scrap	13,126	17,602	22,364	31,177	31,784	2
Value	699	890	1,158	1,768	1,893	7
2. Unwrought	234,692	259,324	330,317	392,748	386,924	-1
Aluminium	125,858	124,554	144,159	184,760 ^E	165,084	-11
Aluminium alloys	108,834	134,769	186,158	207,988	221,841	7
Value	17,122	16,343	20,128	28,092	30,586	9
3. Powders & Flakes	580	671	864	1,021	434	-58
Value	64	62	78	75	92	21
4. Bars, Rods & Profiles	3,416	2,615	4,278	4,141	5,905	43
Aluminium	1,609	432	641	650	527	-19
Aluminium alloys	1,807	2,184	3,638	3,490	5,378	54
Value	431	359	575	680	970	43
5. Wire	2,528	2,741	2,634	3,258	2,685	-18
Aluminium	231	205	308	225	175	-22
Aluminium alloys	2,297	2,536	2,326	3,033	2,510	-17
Value	356	314	311	366	339	-7
6. Plates, Sheets & Strip (t>0.2mm)	56,166	61,025	70,755	80,949	47,690	-41
Aluminium	7,124	7,612	7,930	9,670	9,356	-3
Aluminium alloys	49,042	53,413	62,825	71,278	38,333	-46
Value	6,689	6,805	7,804	9,354	5,809	-38
7. Foil (t≤0.2mm)	20,407	21,686	26,571	33,275	13,517	-59
Not backed	16,457	17,574	22,278	28,054	9,086	-68
Backed	3,950	4,112	4,293	5,221	4,431	-15
Value	3,683	3,693	4,290	5,493	2,057	-63
8. Tubes, Pipes & Fittings	1,866	2,160	2,391	3,091	6,142	99
Tubes & Pipes	1,746	1,843	2,191	2,839	5,781	104
Fittings	120	317	200	251	361	44
Value	786	742	890	1,102	1,875	70
Total Quantity	332,781	367,824	460,174	549,659	495,081	-10
Total Value	29,830	29,209	35,234	46,929	43,621	-7

1/ : % Changes as compared with 2004

P : Preliminary

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

Table 5 Copper Import Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Matte & Cement	15	176	1	1	1	53
Value	3	3	0	0	0	62
2. Scrap	4,210	4,245	4,757	6,560	5,015	-24
Value	287	208	360	608	602	-1
3. Unwrought	175,331	195,465	217,016	282,313	246,279	-13
Copper	166,795	186,633	205,187	229,840	235,715	3
Copper alloys	8,535	8,832	11,829	52,473	10,564	-80
Value	13,693	14,153	16,243	27,838	35,596	28
4. Powders & Flakes	450	559	587	721	1,242	72
Value	80	101	118	167	1,655	892
5. Bars, Rods & Profiles	4,074	6,202	7,705	7,733	11,227	45
Copper	407	671	934	946	2,219	134
Copper alloys	3,666	5,530	6,771	6,786	9,008	33
Value	513	692	888	1,255	1,664	33
6. Wire	26,680	36,362	45,421	52,436	39,097	-25
Copper	23,140	31,792	41,128	49,166	35,934	-27
Copper alloys	3,540	4,570	4,293	3,270	3,163	-3
Value	2,632	2,837	4,171	6,838	6,431	-6
7. Plates, Sheets & Strip (t>0.15 mm)	18,170	26,365	28,732	34,939	35,374	1
Copper	5,828	8,058	8,594	11,217	11,836	6
Copper alloys	12,342	18,308	20,139	23,722	23,539	-1
Value	3,968	3,956	4,585	7,027	8,048	15
8. Foil (t≤0.15 mm)	12,102	14,154	14,517	15,844	13,215	-17
Not backed	6,111	5,870	6,725	7,519	8,012	7
Backed	5,991	8,284	7,791	8,325	5,203	-38
Value	2,826	2,881	3,524	4,159	4,461	7
9. Tubes, Pipes & Fittings	10,585	9,619	11,578	13,778	14,943	8
Tubes & Pipes	10,190	9,365	11,172	13,268	13,898	5
Fittings	396	254	406	510	1,046	105
Value	1,863	1,649	1,953	2,698	3,293	22
Total Quantity	251,616	293,148	330,314	414,323	366,394	-12
Total Value	25,865	26,481	31,844	50,590	61,750	22

1/ : % Changes as compared with 2004

P : Preliminary

Table 6 Iron and Steel Import Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Pig Iron/DRI/HBI	113,478	203,968	369,589	918,151	967,640	5
Value	987	1,586	3,216	8,204	11,740	43
2. Ferro-alloys	48,185	54,457	72,017	84,389	79,975	-5
Ferro-chromium	4,218	5,471	8,628	11,031	15,616	42
Ferro-manganese	6,593	7,221	8,070	12,209	9,597	-21
Ferro-silicon	17,291	18,223	26,423	26,240	24,142	-8
Ferro-silicon-manganese	19,040	22,047	27,511	32,602	27,748	-15
Other	1,043	1,495	1,385	2,307	2,873	25
Value	1,231	1,326	1,834	3,494	3,191	-9
3. Scrap	696,512	977,555	1,279,889	1,849,787	1,683,042	-9
Carbon Steel	636,004	945,155	1,220,880	1,696,333	1,451,420	-14
Cast Iron	65	197	13,463	78,531	194,201	147
Stainless Steel	343	4,038	3,970	4,650	3,646	-22
Other Alloy Steel	52,280	28,090	41,562	70,009	33,624	-52
Other	7,821	75	15	263	152	-42
Value	4,675	6,697	9,926	21,383	19,527	-9
4. Semi-Finished Products	2,791,793	5,014,269	4,166,099	5,012,311	5,709,947	14
Billet	1,044,638	1,759,849	1,619,441	2,151,221	1,825,237	-15
Billet & Slab (>= 0.25 C)	180,475	250,427	313,445	470,573	366,324	-22
Ingot	255	719	2,009	732	475	-35
Slab	1,492,175	2,939,626	2,173,120	2,317,763	3,475,634	50
Other	74,250	63,649	58,083	72,022	42,277	-41
Value	22,476	41,979	46,177	79,227	95,353	20
5. Long Products	623,088	822,073	843,077	930,379	1,301,349	40
Angles, Shapes & Sections	35,110	14,027	20,262	12,991	21,695	67
Bars	183,006	239,440	268,056	334,562	400,010	20
Cold-drawn Bars	21,048	21,152	39,203	43,618	51,840	19
Wire Rods	329,709	473,352	443,191	448,759	715,663	59
Wires	54,215	74,101	72,364	90,450	112,141	24
Value	16,703	18,528	20,353	27,549	21,695	-21
6. Hot Rolled Flat Product	2,372,782	2,426,063	2,990,162	2,718,985	2,940,612	8
Coil	2,176,596	2,281,682	2,565,333	2,466,459	2,597,199	5
Plate & Sheet	189,975	138,958	418,366	210,669	173,881	-17
Strip	6,212	5,422	6,463	41,856	169,533	305
Value	32,991	34,386	45,038	60,749	84,206	39

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
7. Cold Rolled Flat Product	716,117	586,447	666,749	738,613	857,447	16
Coil	448,546	323,506	463,986	521,280	551,868	6
Plate & Sheet	233,397	224,822	165,722	168,302	233,430	39
Strip	34,174	38,119	37,041	49,032	72,149	47
Value	18,056	15,216	18,828	24,553	34,134	39
8. Coated Products	556,119	885,420	895,727	1,086,426	1,459,211	34
Chromium Plate	14,385	39,916	30,752	33,492	30,832	-8
Electro Galvanized	129,088	145,435	131,125	131,444	151,667	15
Hot dip Galvanized	302,374	360,630	462,214	555,110	865,591	56
Tinplate	62,592	111,640	84,085	99,193	75,319	-24
Other	47,679	23,887	55,054	132,604	201,851	52
Zincalume/ Color Coated	-	203,911	132,497	134,583	133,951	0
Value	14,163	18,025	21,529	31,689	51,360	62
9. Pipes & Fittings	146,034	162,497	232,664	329,144	500,451	52
Fittings	10,365	12,376	15,444	17,132	22,187	30
Seam Pipes	62,376	50,478	55,786	104,856	114,549	9
Seamless Pipes	73,293	99,644	161,434	207,157 ^E	363,715	76
Value	7,921	7,976	11,305	18,301	29,663	62
10. Sheet Piling	1,339	2,104	1,191	714	150	-79
Stainless Steel	0	-	0	-	0	-
Other Alloy Steel	-	-	0	-	-	-
Other	1,339	2,104	1,191	714	149	-79
Value	28	29	19	14	6	-58
11. Rails and Accessories	29,387	37,248	24,679	10,909	17,889	64
Value	927	751	434	266	712	167
Finished Steel Products Total^{2/}	4,444,866	4,921,853	5,654,248	5,815,170	7,077,109	22
Finished Steel Products Value^{2/}	90,789	94,912	117,505	163,121	221,775	36
Total Quantity	8,094,834	11,172,101	11,541,842	13,679,807	15,517,712	13
Total Value	120,158	146,501	178,659	275,429	351,586	28

1/ : % Changes as compared with 2004

2/ : 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 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Scrap	142	41	45	29	3	-89
Value	3	0	1	3	2	-43
2. Unwrought	57,466	68,797	84,598	81,244	74,918	-8
Lead	41,513	59,918	76,951	75,086	66,554	-11
Lead alloys	15,953	8,879	7,647	6,159	8,364	36
Value	1,306	1,465	1,892	3,194	3,275	3
3. Powders & Flakes	6	3	0	7	94	1,182
Value	3	1	0	7	5	-27
4. Bars, Rods, Profiles & Wire	590	634	408	483	364	-25
Value	137	133	83	167	160	-4
5. Plates, Sheets, Strip & Foil	137	110	69	114	92	-19
Value	28	23	13	25	18	-29
6. Tubes, Pipes & Fittings	1	5	12	6	0	-93
Value	0	1	1	1	0	-87
Total Quantity	58,341	69,590	85,132	81,884	75,471	-8
Total Value	1,477	1,623	1,990	3,398	3,460	2

1/ : % Changes as compared with 2004

P : Preliminary

Table 8 Nickel Import Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Matte & Sinters	-	0	1	0	8,717	17,433,362
Value	-	0	0	0	206	#####
2. Scrap	39	11	60	64	89	38
Value	11	4	21	39	47	23
3. Unwrought	1,411	1,721	1,903	2,478	2,822	14
Nickel	1,359	1,693	1,861	2,425	2,756	14
Nickel alloys	52	28	41	53	66	25
Value	459	519	718	1,437	1,743	21
4. Powders & Flakes	64	87	79	125	154	24
Value	51	56	56	101	107	6
5. Bars, Rods & Profiles	126	8	9	22	22	2
Value	19	10	12	22	28	23
6. Wire	236	156	259	162	216	33
Value	111	74	121	101	155	53
7. Plates, Sheets & Strip	45	284	113	101	133	32
Value	27	35	29	49	116	138
8. Foil	8	1	1	0	1	47
Value	3	9	2	1	3	365
9. Tubes, Pipes & Fittings	14	9	21	62	73	18
Value	58	11	32	33	62	90
Total Quantity	1,943	2,278	2,445	3,013	12,227	306
Total Value	739	718	991	1,782	2,466	38

1/ : % Changes as compared with 2004

P : Preliminary

Table 9 Tin Import Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Scrap	-	-	-	10	-	-
<i>Value</i>	-	-	-	1	-	-
2. Unwrought	199	544	1,933	9,950	17,377	75
Tin	20	182	1,414	9,684	17,142	77
Tin alloys	179	362	518	266	235	-12
<i>Value</i>	41	125	444	3,393	5,139	51
3. Powders & Flakes	5	3	6	2	6	243
<i>Value</i>	2	1	2	1	3	209
4. Bars, Rods, & Profiles	-	91	130	215	219	2
<i>Value</i>	-	14	63	144	161	11
5. Wire	147	206	147	132	125	-6
<i>Value</i>	13	22	18	12	18	49
6. Plates, Sheets & Strip (t>0.2mm)	188	26	8	17	194	1017
<i>Value</i>	9	4	4	11	28	156
7. Foil	71	6	1	1	10	693
<i>Value</i>	4	1	1	0	1	161
8. Tubes, Pipes & Fittings	-	-	-	-	-	-
<i>Value</i>	-	-	-	-	-	-
9. Other	19	7	15	37	32	-16
<i>Value</i>	9	8	16	40	33	-18
Total Quantity	629	885	2,240	10,365	17,962	73
Total Value	78	175	550	3,603	5,383	49

1/ : % Changes as compared with 2004

P : Preliminary

Table 10 Zinc Import Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Scrap	4	-	-	58	65	12
<i>Value</i>	0	-	-	1	3	344
2. Unwrought	24,049	35,980	34,029	42,702	33,053	-23
Zinc	15,698	24,477	20,944	31,577	23,407	-26
Zinc alloys	8,351	11,503	13,085	11,125	9,646	-13
<i>Value</i>	1,131	1,285	1,220	2,004	1,895	-5
3. Dust, Powders & Flakes	894	949	1,566	1,678	2,197	31
<i>Value</i>	67	61	91	112	164	47
4. Bars, Rods, & Profiles	132	232	170	221	34	-85
<i>Value</i>	9	15	18	76	13	-83
5. Wire	510	579	741	854	810	-5
<i>Value</i>	43	41	54	67	69	4
6. Plates, Sheets & Strip	54	120	130	666	1283	93
<i>Value</i>	8	18	17	58	58	0
7. Foil	-	3	0	3	120	3551
<i>Value</i>	-	1	0	2	4	131
8. Tubes, Pipes & Fittings	11	3	12	7	3	-61
<i>Value</i>	1	1	1	2	2	-17
Total Quantity	25,654	37,867	36,648	46,189	37,566	-19
Total Value	1,259	1,422	1,401	2,321	2,207	-5

1/ : % Changes as compared with 2004

P : Preliminary

Table 11 Precious Metals Import Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Silver	1,015	926	1,752	2,060	2,384	16
Metal product	852	896	1,520	1,960 ^E	1,817	-7
Jewellery	164	30	232	100	568	466
Value	4,800	5,069	8,717	12,937	14,118	9
2. Gold	297	147	158	156	154	-2
Metal product	283	137	145	142	144	1
Jewellery	14	11	12	14	10	-31
Value	40,000	38,120	34,320	51,320	84,978	66
3. Platinum - Group^{2/}	20	5	8	25	44	73
Metal product	7	1	1	1	1	47
Jewellery	13	3	7	16	36	132
Others ^{3/}	0	1	0	9	7	-25
Value	1,146	900	1,043	1,200	1,393	16
Total Quantity	1,332	1,078	1,918	2,242	2,583	15
Total Value	45,946	44,089	44,080	65,457	100,489	54

1/ : % Changes as compared with 2004

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

3/ : 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 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Antimony	443	370	501	755	318	-87
Value	20	20	49	86	44	-85
2. Beryllium	0	6	1	1	2	84
Value	1	3	1	2	2	-19
3. Bismuth	11	14	13	18	14	-32
Value	6	6	7	10	23	181
4. Cadmium	0	0	0	0	0	-37
Value	0	0	1	0	0	-3
5. Chromium	19	21	23	31	31	0
Value	12	23	16	28	47	115
6. Cobalt	100	83	118	123	175	44
Value	121	68	111	232	292	53
7. Germanium	-	0	0	0	0	1,050
Value	-	0	1	1	6	826
8. Magnesium	521	786	941	1,354	1,351	0
Unwrought	431	638	696	938	790	-21
Scrap	42	118	169	372	526	91
Other	49	30	76	44	35	-12
Value	46	65	78	126	116	-14
9. Manganese	190	185	216	234	679	206
Value	18	13	16	17	53	223
10. Molybdenum	17	14	40	48	51	7
Powders	3	2	2	2	12	419
Wire	6	5	5	9	4	-78
Other	8	7	33	37	35	-8
Value	64	69	184	159	236	42
11. Tantalum	23	27	41	83	68	-37
Value	674	634	826	1,229	1,177	-6
12. Titanium	129	190	110	104	237	121
Value	688	301	182	371	602	127
13. Tungsten	80	97	120	148	198	42
Powders	33	41	50	63	93	60
Wire	22	25	23	28	39	49
Other	26	32	47	57	66	19
Value	166	195	280	382	552	61

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
14. Vanadium	0	0	0	0	0	303
<i>Value</i>	0	0	0	0	0	462
15. Zirconium	100	169	89	143	249	118
<i>Value</i>	8	15	10	12	24	122
16. Other	5	5	0	0	20	9,564
<i>Value</i>	7	6	2	2	10	470
Total Quantity	1,638	1,967	2,214	3,043	3,392	16
Total Value	1,831	1,417	1,764	2,657	3,183	30

1/ : % Changes as compared with 2004

P : Preliminary

EXPORT

Table 13 Aluminium Export Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Scrap	13,389	15,321	17,489	20,623	21,298	3
Value	658	708	735	944	1,103	17
2. Unwrought	5,139	9,535	6,905	12,312	13,295	8
Aluminium	168	140	657	1,339	172	-87
Aluminium alloys	4,971	9,395	6,249	10,974	13,123	20
Value	333	586	452	902	1,111	23
3. Powders & Flakes	4	12	143	161	8	-95
Value	1	2	10	12	1	-92
4. Bars, Rods & Profiles	13,124	13,949	17,052	22,489	20,587	-8
Aluminium	5,026	4,309	10,558	14,301	15,447	8
Aluminium alloys	8,098	9,640	6,494	8,188	5,140	-37
Value	1,085	1,020	1,224	1,746	1,829	5
5. Wire	494	167	149	347	47	-86
Aluminium	357	121	108	272	0	-100
Aluminium alloys	138	46	41	75	47	-37
Value	53	11	11	14	8	-43
6. Plates, Sheets & Strip (t>0.2mm)	4,642	3,871	7,610	9,927	11,714	18
Aluminium	3,723	3,542	6,686	6,736	8,046	19
Aluminium alloys	919	329	925	3,191	3,668	15
Value	551	372	664	1,023	1,173	15
7. Foil (t≤0.2mm)	1,354	2,321	2,322	3,524	2,292	-35
Not backed	1,041	2,022	1,924	2,611	511	-80
Backed	313	299	398	913	1,781	95
Value	282	341	346	544	348	-36
8. Tubes, Pipes & Fittings	1,190	1,764	2,325	2,808	3,406	21
Tubes & Pipes	1,030	1,495	1,883	2,352	2,762	17
Fittings	159	269	442	456	644	41
Value	327	458	530	666	943	42
Total Quantity	39,336	46,941	53,996	72,190	72,648	1
Total Value	3,289	3,499	3,973	5,851	6,515	11

1/ : % Changes as compared with 2004

P : Preliminary

Table 14 Copper Export Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Matte & Cement	37	-	-	-	0	-
Value	3	-	-	-	0	-
2. Scrap	26,942	22,449	54,920	51,322	58,257^{E3}	452
Value	1,121	1,251	2,181	4,546	7,117	57
3. Unwrought	394	181	659	4,596	20,668	350
Copper	5	13	18	3,893	19,944	412
Copper alloys	389	168	641	703	724	3
Value	29	20	52	564	2,684	376
4. Powders & Flakes	35	50	60	94	101	8
Value	9	11	14	20	1,246	6,052
5. Bars, Rods & Profiles	10,806	9,812	7,886	10,185	9,958	-2
Copper	10,420	9,099	7,046	8,970	9,561	7
Copper alloys	387	712	840	1,216	397	-67
Value	1,163	907	751	1,359	1,727	27
6. Wire	2,243	571	613	889	5,345	501
Copper	1,797	147	324	560	4,878	771
Copper alloys	446	424	289	329	467	42
Value	273	163	168	168	303	80
7. Plates, Sheets & Strip (t>0.15 mm)	898	1,812	5,127	6,890	6,818	-1
Copper	380	1,034	1,418	1,975	1,889	-4
Copper alloys	519	779	3,709 ^{E1}	4,915 ^{E2}	4,929	33
Value	105	141	474	1,005	1,066	6
8. Foil (t<=0.15 mm)	6,944	7,862	6,762	7,390	9,212	25
Not backed	1,736	1,443	1,251	1,521	1,884	24
Backed	5,208	6,420	5,511	5,869	7,328	25
Value	1,117	983	834	883	1,799	104
9. Tubes, Pipes & Fittings	21,779	25,189	27,596	31,319	23,056	-26
Tubes & Pipes	18,348	21,420	23,251	25,984	18,699	-28
Fittings	3,431	3,769	4,346	5,335	4,357	-18
Value	3,176	3,678	3,865	5,551	4,800	-14
Total Quantity	70,078	67,927	103,622	112,686	133,416	18
Total Value	6,995	7,153	8,341	14,096	20,741	47

1/ : % Changes as compared with 2004

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 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Pig Iron/DRI/HBI	13,562	17,100	19,172	24,006	24,822	3
Value	362	373	438	545	525	-4
2. Ferro-alloys	121	9	26	21	61	190
Ferro-chromium	-	-	-	-	23	-
Ferro-manganese	1	-	1	10	0	-43
Ferro-silico-manganese	-	-	-	-	-	-
Ferro-silicon	121	9	25	11	38	51
Other	0	-	0	-	0	-75
Value	2	1	2	1	5	299
3. Scrap	102,465	87,122	117,927	154,321	172,693	12
Carbon Steel	56,332	43,870	61,808	87,721	95,802	9
Cast Iron	51	131	129	1,554	3,345	115
Stainless Steel	35,569	39,784	51,806	57,703	66,168	15
Other Alloy Steel	3,470	3,337	4,185	7,343	7,378	0
Other	7,043	-	-	-	-	-
Value	1,116	1,414	2,198	3,303	3,972	20
4. Semi-Finished Products	9,824	1,007	84,442	72,334	39,654	-45
Billet	5,478	18	62,541	54,909	39,245	-29
Billet & Slab (>= 0.25 C)	0	-	18,344	15,898	71	-100
Ingot	14	415	48	499	236	-53
Slab	41	1	0	-	101	-
Other	4,290	573	3,508	1,028	2	-100
Value	91	10	897	993	555	-44
5. Long Products	732,827	536,414	568,314	615,732	514,821	-16
Angles, Shapes & Sections	261,759	250,743	288,344	285,984	257,993	-10
Bars	261,230	57,773	50,274	54,806	40,194	-27
Cold-drawn Bars	119,574	131,798	122,918	154,154	91,095	-41
Wire Rods	13,855	10,788	6,957	9,345	7,588	-19
Wires	76,409	85,312	99,820	111,442	117,952	6
Value	8,403	9,155	10,741	16,348	15,331	-6
6. Hot Rolled Flat Product	79,826	236,520	275,923	626,613	775,106	24
Coil	50,605	216,009	253,549	470,561	460,417	-2
Plate & Sheet	28,833	20,403	20,619	153,904	313,812	104
Strip	388	108	1,756	2,148	877	-59
Value	822	3,242	3,941	13,742	15,774	15

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
7. Cold Rolled Flat Product	494,486	534,571	641,576	525,762	376,732	-28
Coil	473,250	428,350	487,786	390,074	276,907	-29
Plate & Sheet	19,377	105,011	151,864	126,878	95,360	-25
Strip	1,859	1,211	1,926	8,810	4,464	-49
Value	9,793	10,928	15,677	16,527	15,327	-7
8. Coated Products	122,423	136,062	150,963	141,605	85,694	-39
Chromium Plate	288	72	49	36	42	17
Electro Galvanized	27,864	46,470	46,336	44,698	17,571	-61
Hot dip Galvanized	38,714	33,451	52,627	52,153	30,560	-41
Tinplate	14,071	1,540	1,061	5,668	1,792	-68
Other	41,485	19,822	10,112	9,799	11,802	20
Zincalume/ Color Coated	-	34,707	40,777	29,251	23,927	-18
Value	2,373	3,047	3,965	4,043	3,968	-2
9. Pipes & Fittings	284,012	266,659	237,540	287,193	266,299	-7
Fittings	54,151	56,613	61,034	68,864	64,754	-6
Seam Pipes	201,940	180,354	142,401	177,245	165,642	-7
Seamless Pipes	27,921	29,691	34,106	41,085	35,902	-13
Value	8,732	8,498	9,308	12,852	15,359	20
10. Sheet Piling	13,328	14,139	23,749	8,050	22,636	181
Stainless Steel	58	0	49	12	48	288
Other Alloy Steel	0	0	0	-	-	-
Other	13,269	14,138	23,701	8,038	22,589	181
Value	166	171	360	183	527	189
11. Rails and Accessories	1,715	1,615	1,385	1,171	901	-23
Value	50	77	48	54	45	-16
Finished Steel Products Total^{2/}	1,728,617	1,725,980	1,899,450	2,206,125	2,042,189	-7
Finished Steel Products Value^{2/}	30,339	35,118	44,041	63,748	66,330	4
Total Quantity	1,854,589	1,831,218	2,121,016	2,456,806	2,279,420	-7
Total Value	31,910	36,915	47,575	68,590	71,387	4

1/ : % Changes as compared with 2004

2/ : Excludes item 1 - 4

P : Preliminary

Table 16 Lead Export Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Scrap	761	819	687	964	290	-70
Value	47	44	60	84	29	-65
2. Unwrought	54	1	144	912	766	-16
Lead	12 ^E	0	24	9	100	1,031
Lead alloys	42	1	120	903	666	-26
Value	1	1	4	29	15	-50
3. Powders & Flakes	0	0	-	0	0	-85
Value	0	0	-	1	0	-100
4. Bars, Rods, Profiles & Wire	3	10	15	10	3	-65
Value	1	1	2	2	1	-26
5. Plates, Sheets, Strip & Foil	6	0	8	38	22	-42
Value	0	0	1	5	4	-20
6. Tubes, Pipes & Fittings	9	0	2	2	1	-73
Value	1	0	0	0	0	-48
Total Quantity	834	830	857	1,926	1,082	-44
Total Value	51	46	67	121	49	-59

1/ : % Changes as compared with 2004

P : Preliminary

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

Table 17 Nickel Export Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Matte & Sinters	-	-	-	-	1	-
Value	-	-	-	-	0	-
2. Scrap	148	138	906	1,137	1,216	7
Value	5	6	82	183	236	29
3. Unwrought	23	0	1	5	7	38
Nickel	23	0	1	5	7	40
Nickel alloys	-	-	-	0	-	-
Value	7	0	0	3	4	37
4. Powders & Flakes	1	-	0	25	46	85
Value	0	-	0	2	5	221
5. Bars, Rods & Profiles	-	-	0	0	8	7,838
Value	-	-	0	0	3	2,448
6. Wire	15	0	2	1	2	56
Value	5	0	1	0	1	214
7. Plates, Sheets & Strip	13	6	0	6	2	-73
Value	4	6	8	13	3	-73
8. Foil	-	-	0	1	0	-66
Value	-	-	0	0	0	-73
9. Tubes, Pipes & Fittings	1	-	4	3	-	-
Value	0	-	2	1	-	-
Total Quantity	200	144	912	1,178	1,282	9
Total Value	21	13	92	202	253	25

1/ : % Changes as compared with 2004

P : Preliminary

Table 18 Tin Export Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Scrap	168	76	144	207	323	56
Value	2	1	2	4	11	170
2. Unwrought	18,945	12,758	9,837	13,571	24,927	84
Tin	18,714	12,661	9,762	13,514	24,855	84
Tin alloys	231	97	75	57	72	27
Value	3,649	2,241	1,989	4,681	7,642	63
3. Powders & Flakes	-	-	0	30	57	91
Value	-	-	0	11	22	104
4. Bars, Rods, & Profiles	40	263	628	839	1,760	110
Value	9	70	176	307	626	104
5. Wire	8	0	2	1	21	1,475
Value	0	0	1	0	7	3184
6. Plates, Sheets & Strip (t>0.2mm)	40	0	-	2	5	185
Value	4	0	-	0	0	1421
7. Foil	0	-	-	1	1	33
Value	0	-	-	1	0	-44
8. Tubes, Pipes & Fittings	1	0	-	1	-	-
Value	0	0	-	1	-	-
9. Other	553	420	431	444	324	-27
Value	240	222	230	246	237	-3
Total Quantity	19,755	13,516	11,042	15,097	27,419	82
Total Value	3,904	2,536	2,398	5,250	8,545	63

1/ : % Changes as compared with 2004

P : Preliminary

Table 19 Zinc Export Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Scrap	510	1,077	1,736	2,088	1,123	-46
Value	8	26	40	53	29	-46
2. Unwrought	66,191	20,334	24,044	17,139	15,628	-9
Zinc	60,369	9,170	7,902	2,819	176	-94
Zinc alloys	5,823	11,163	16,142	14,321	15,453	8
Value	1,124	756	897	767	864	13
3. Dust, Powders & Flakes	96	748	1,172	1,422	1,544	9
Value	3	14	16	21	27	31
4. Bars, Rods, & Profiles	17	157	17	23	5	-79
Value	1	5	1	1	0	-96
5. Wire	29	21	129	53	22	-58
Value	1	0	3	3	1	-56
6. Plates, Sheets & Strip	3,973	6,516	11,277	8,649	12,372	43
Value	95	134	274	215	400	86
7. Foil	0	-	0	1	0	-
Value	0	-	0	0	0	-
8. Tubes, Pipes & Fittings	601	422	451	565	419	-26
Value	74	49	55	74	72	-2
Total Quantity	71,401	29,118	38,809	29,940	31,113	4
Total Value	1,305	980	1,284	1,133	1,394	23

1/ : % Changes as compared with 2004

P : Preliminary

Table 20 Precious Metals Export Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Silver	2,427	1,973	2,227	1,745	1,444	-17
Metal product	2,418	1,909	201	209	85	-59
Jewellery	9	64	2,027	1,536	1,359	-12
Value	12,287	13,904	17,502	20,432	21,061	3
2. Gold	259	128	173	101	155	54
Metal product	5	42 ^E	49	23	32	40
Jewellery	254	86	124	78	123	58
Value	31,143	38,771	46,161	37,909	54,679	44
3. Platinum - Group^{2/}	15	6	17	9	16	75
Metal product	0	0	0	1	2	195
Jewellery	14	6	17	8	14	78
Others ^{3/}	0	-	0	1	0	-89
Value	1,566	542	664	657	1,816	177
Total Quantity	2,701	2,107	2,417	1,855	1,614	-13
Total Value	44,996	53,218	64,327	58,998	77,556	31

1/ : % Changes as compared with 2004

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 Metal Products is 1,874 tonnes)

P : Preliminary

Table 21 Others Export Statistics 2001 - 2005

Unit : Metric Tonnes

Value : Million Baht

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
1. Antimony	130	123	370	-	171	-
Value	6	12	34	-	22	-
2. Beryllium	-	-	-	0	-	-
Value	-	-	-	0	-	-
3. Bismuth	-	-	-	0	-	-
Value	-	-	-	1	-	-
4. Cadmium	-	2	1	-	7	-
Value	-	0	0	-	1	-
5. Chromium	-	-	0	0	0	123
Value	-	-	0	0	0	120
6. Cobalt	0	0	0	-	20	-
Value	0	1	0	-	2	-
7. Germanium	-	-	-	0	-	-
Value	-	-	-	0	-	-
8. Magnesium	35	3	30	11	14	29
Unwrought	-	-	30	11	13	25
Scrap	20	-	-	0	-	-
Other	15	3	0	-	0	-
Value	3	0	2	1	0	-35
9. Manganese	-	-	-	2,900	-	-
Value	-	-	-	8	-	-
10. Molybdenum	0	0	0	1	5	793
Powders	-	0	-	-	1	-
Wire	-	-	-	-	-	-
Other	0	-	0	1	4	656
Value	0	0	1	2	8	235
11. Tantalum	81	265	108	226	102	-55
Value	1,550	1,976	1,288	2,233	826	-63
12. Titanium	3	8	4	2	23	995
Value	9	24	16	10	35	254
13. Tungsten	6	16	21	30	60	101
Powders	1	11	6	3	0	-97
Wire	0	0	0	1	1	-18
Other	4	4	16	26	59	128
Value	4	13	26	61	60	-2

ITEM	2001	2002	2003	2004	2005 ^P	%Δ ^{1/}
14. Vanadium	-	-	-	-	-	-
<i>Value</i>	-	-	-	-	-	-
15. Zirconium	1	-	-	-	0	-
<i>Value</i>	0	-	-	-	0	-
16. Other	-	3	-	0	-	-
<i>Value</i>	-	2	-	0	-	-
Total Quantity	255	420	535	3,170	401	-87
Total Value	1,573	2,028	1,366	2,316	954	-59

1/ : % Changes as compared with 2004

P : Preliminary

DOMESTIC PRICE

Table 22 Metals Domestic Price Statistics 2005

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1. Aluminium	85	85	87	85	85	85	86	85	85	87	90	90	86
2. Antimony	135	130	130	130	138	145	155	150	160	175	170	160	148
3. Brass	95	95	95	100	100	100	100	100	110	120	120	135	106
4. Copper	140	150	170	150	160	160	160	170	180	180	190	190	167
5. Gold ^{1/}	513	507	520	524	521	541	547	558	578	597	604	646	555
6. Lead	42	42	44	44	44	45	44	44	42	45	47	48	44
7. Nickel	600	650	650	640	650	650	670	670	700	700	650	650	657
8. Tin	350	330	360	350	360	360	330	340	330	310	300	330	338
9. Zinc	60	62	65	65	63	65	66	62	65	75	78	85	68

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 2005

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1. Scrap ^{1/}	9.03	10.10	10.42	10.94	10.65	9.98	9.61	9.34	7.48	na	na	na	9.73
2. Round Bars SR.24 Ø 6 mm.	21.55	21.46	21.76	21.68	20.94	18.78	19.02	18.86	19.62	19.54	19.12	18.90	20.41
3. Round Bars SR.24 Ø 12 mm.	19.86	19.82	20.02	20.26	19.56	17.26	17.70	17.54	18.24	18.04	17.68	17.50	18.92
4. Deformed Bars SD.30 Ø 12	19.84	19.78	19.80	19.94	19.32	17.12	17.58	17.58	18.16	18.04	17.58	17.42	18.79
5. Deformed Bars SD.40 Ø 12	19.98	19.94	20.00	20.12	19.52	17.28	17.74	17.74	18.34	18.24	17.76	17.62	18.96
6. Angle (Size 40x40x4 mm.)	23.28	23.10	22.98	23.07	22.52	21.03	20.79	20.14	20.88	20.91	20.29	20.64	21.98
7. Channel (Size 75x40 mm	21.60	21.60	21.25	21.25	20.89	19.76	19.66	19.19	19.99	19.99	19.19	19.04	20.58
8. Wires (No. 18)	29.33	29.33	29.33	29.33	29.33	28.67	28.33	28.33	28.67	27.83	25.33	25.00	28.96
9. P.C. WIRE	38.00	38.00	41.33	41.50	40.17	40.17	40.17	40.00	40.00	40.17	39.17	39.17	39.93
10. P.C. STRAND	38.50	38.50	42.00	42.17	41.00	41.00	41.00	40.83	40.83	41.83	40.00	40.00	40.65
11. HR coil	24.47	24.47	24.47	24.47	24.89	24.25	22.39	21.81	21.81	20.43	20.32	18.91	23.67

Source: 1/ Entrepreneur

: Bureau of Trade and Economic Indicies

APPENDIX I

METALS WORLD PRICE STATISTICS

Table I-1 Aluminium World Price Statistics 1992 - 2005

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	1,178	1,267	1,281	1,316	1,307	1,276	1,311	1,305	1,268	1,174	1,159	1,204	1,254
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

Source : London Metal Exchange (LME)

Table I-2 Antimony World Price Statistics 1992 - 2005

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	1,728	1,720	1,721	1,741	1,750	1,748	1,749	1,748	1,738	1,731	1,737	1,706	1,735
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

Source : MB Free Market

Table I-3 Cadmium (99.99%) World Price Statistics 1992 - 2005

Unit : US\$/Pound

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	1.84	1.56	1.39	1.35	1.24	1.02	1.05	1.01	0.96	0.90	0.84	0.67	1.15
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

Source : MB Free Market

Table I-4 Copper World Price Statistics 1992 - 2005

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	2,140	2,206	2,228	2,218	2,217	2,300	2,519	2,520	2,417	2,255	2,159	2,210	2,282
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

Source : London Metal Exchange (LME)

Table I-5 Gold World Price Statistics 1992 - 2005

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	354	354	345	339	337	341	352	344	345	344	335	335	344
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

Source : London Metal Exchange (LME)

: *World Gold Council

Table I-6 Lead World Price Statistics 1992 - 2005

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	515	505	521	533	522	548	622	654	621	538	461	456	541
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

Source : London Metal Exchange (LME)

Table I-7 Nickel World Price Statistics 1992 - 2005

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	7,520	7,865	7,420	7,423	7,325	7,195	7,489	7,271	6,899	6,281	5,567	5,721	6,998
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

Source : London Metal Exchange (LME)

Table I-8 Platinum World Price Statistics 1992 - 2005

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	341	362	357	348	358	369	383	360	362	358	356	362	360
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

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-9 Palladium World Price Statistics 1992 - 2005

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	83	86	84	84	83	81	87	86	91	95	95	107	89
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

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-10 Silver World Price Statistics 1992 - 2005

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	4.12	4.15	4.11	4.05	4.07	4.06	3.97	3.82	3.77	3.75	3.77	3.73	3.95
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

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-11 Steel World Price Statistics 2005

Unit : US\$/Metric Ton

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
US Steel Import													
Rebar													
Min	450	na	na	na	400	390	na	398	400	420	420	na	411
Max	460	450	450	430	440	400	390	410	410	430	430	430	428
Merchant bars													
Min	587	580	580	560	530	510	500	500	500	520	528	530	535
Max	607	600	600	580	550	530	520	520	520	540	548	550	555
Wire rod													
Min	497	490	490	470	435	430	410	410	410	430	430	na	446
Max	507	500	500	490	455	450	430	430	430	450	458	460	463
CR coil													
Min	na	710	700	na	600	580	na	540	540	600	600	600	608
Max	720	720	710	700	700	600	560	553	550	620	620	620	639
HR coil													
Min	620	613	600	na	500	450	na	430	na	510	518	520	529
Max	640	633	620	600	600	500	430	450	450	520	528	530	542
Galvanized coil													
Min	790	797	800	800	715	617	610	608	600	na	na	na	704
Max	800	807	810	810	725	627	620	618	610	750	751	752	723
China													
Slab													
Min	540	550	533	480	480	na	na	na	na	na	na	na	517
Max	550	600	583	530	530	na	na	na	na	na	na	na	559
Billet													
Min	360	380	380	380	380	na	na	na	na	na	na	na	376
Max	380	390	390	390	390	na	na	na	na	na	na	na	388
CR coil													
Min	730	730	730	730	730	600	600	600	600	600	na	na	665
Max	770	750	760	770	770	620	620	620	620	620	na	na	692
HR coil													
Min	690	643	620	615	615	450	450	450	450	450	na	na	543
Max	700	653	630	630	630	460	460	460	460	460	na	na	554

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
<u>Latin America</u>													
Wire rods													
Min	410	400	410	410	410	403	390	370	370	370	373	370	391
Max	427	420	420	420	420	413	400	380	380	380	383	380	402
HR coil													
Min	577	570	570	570	545	473	420	410	410	400	380	380	475
Max	600	600	600	590	558	497	450	430	430	420	400	400	498
CR coil													
Min	670	683	690	687	660	555	510	500	500	475	476	475	573
Max	700	707	718	697	675	580	530	520	520	510	500	500	596
Galvanized coil													
Min	740	740	740	730	700	600	na	na	na	na	na	na	708
Max	800	800	800	777	730	700	600	600	600	580	580	580	679
<u>CIS*</u>													
Slab													
Min	475	475	479	467	410	387	300	285	270	285	285	285	367
Max	498	490	503	487	430	420	320	320	na	320	310	310	401
Billet													
Min	330	355	356	360	330	293	295	310	333	333	320	320	328
Max	353	365	366	370	340	310	304	318	340	342	335	335	340
Rebars													
Min	400	410	413	420	385	370	320	340	360	372	355	355	375
Max	410	420	423	430	404	387	340	355	370	380	370	370	388
Wire rods													
Min	420	420	420	420	399	383	340	355	370	375	365	365	386
Max	440	440	440	440	419	400	360	370	380	387	375	375	402
CR coil													
Min	570	570	593	607	580	557	453	468	485	490	475	460	526
Max	663	650	673	680	640	605	473	485	500	510	495	480	571
HR coil													
Min	480	485	507	512	480	440	373	378	385	390	375	360	430
Max	587	580	590	567	510	462	383	390	400	415	403	390	473
<u>Brussel</u>													
Merchant bars													
Min	457	450	450	447	440	433	418	410	410	410	418	420	430
Max	477	470	470	467	460	453	438	430	430	430	438	440	450
Wire rod													
Min	477	480	480	470	450	440	413	400	400	400	400	400	434
Max	503	500	500	490	470	457	424	414	413	415	419	420	452

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
CR coil													
Min	657	700	700	693	680	660	603	545	540	550	535	530	616
Max	677	760	740	725	700	680	623	569	563	575	556	550	643
ECSC**													
Merchant bars													
Min	na	na	na	na	na	na	na	na	na	na	na	na	na
Max	na	na	na	na	na	na	na	na	na	na	na	na	na
Wire rod													
Min	480	470	460	447	420	420	420	420	420	420	420	420	435
Max	510	480	470	457	430	430	430	430	430	430	430	430	446
HR coil													
Min	573	570	570	570	520	447	388	374	360	360	360	360	454
Max	602	600	600	600	550	480	435	420	410	410	410	410	494
CR coil													
Min	667	660	660	660	610	517	495	490	490	490	490	490	560
Max	698	695	695	695	695	607	559	540	540	540	540	540	612
Galvanized coil													
Min	667	650	650	650	600	560	560	560	550	550	550	550	591
Max	710	700	699	700	650	600	589	580	570	570	570	570	626

Source : Metal Bulletin

* : Commonwealth of Independent States

** : European Coal and Steel Community

Table I-12 Tin World Price Statistics 1992 - 2005

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	5,477	5,616	5,632	5,839	6,109	6,619	7,001	6,780	6,627	5,998	5,736	5,754	6,099
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

Source : London Metal Exchange (LME)

Table I-13 Zinc World Price Statistics 1992 - 2005

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1992	1,154	1,131	1,215	1,305	1,368	1,386	1,314	1,361	1,363	1,172	1,047	1,058	1,240
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

Source : London Metal Exchange (LME)