

**Statistics Report
BPI 1/2010**

**THAILAND
METAL STATISTICS YEAR 2009**

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PREFACE

The publication of metal statistics entitled "Thailand Metal Statistics Year 2009" 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 2007-2009**Unit : Metric Tonnes****Value : Million Baht**

ITEM	Quantities			Value ^E		
	2007	2008	2009	2007	2008	2009
1. Antimony	271	422	555	60	95	100
2. Lead	73,159	73,303	55,504	7,755	6,744	3,288
3. Steel^{1/}	10,659	9,994	8,166	268,500	299,820	154,812
4. Tantalum Powder	142	158	50	1,429	1,821	500
5. Tin	23,104	21,860	19,423	12,453	14,668	9,076
6. Zinc	99,337	107,753	104,695	12,914	9,159	5,974
7. Gold and Silver	10.4	8.3	20.7	2,194	2,671	6,072
- Gold	3.0	2.8	5.4	2,094	2,582	5,824
- Silver	7.4	5.5	15.3	100	89	248
8. Copper	12,714	438	490	3,445	116	87

1/ : Unit in 1,000 Tonnes

E : Estimate

PRODUCTION

Table 2 Nonferrous Production Statistics 2005 - 2009

Unit : Metric Tonnes

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Antimony	460	544	271	422	555	32
2. Lead	61,100	61,160	73,159	73,303	55,504	-24
3. Tantalum Powder	150	230	142	158	50	-68
4. Tin	31,600	27,540	23,104	21,860	19,423	-11
5. Zinc	104,500	94,780	99,337	107,753	104,695	-3
6. Gold and Silver	18.5	16.1	10.4	8.3	20.7	149
- Gold	4.4	4.3	3.0	2.8	5.4	
- Silver	14.1	11.8	7.4	5.5	15.3	
7. Copper	15,800	27,050	12,714	438	490	12

1/ : % Changes as compared with 2008

Table 3 Steel Production Statistics 2005 - 2009

Unit : 1,000 Tonnes

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Semi-finished Products	4,232	5,050	5,894	5,429	3,960	-27
2. Long Products ^{E1}	4,578	3,280	3,912	3,054	2,691	-12
3. Flat Products	5,757	5,375	5,310	5,475	4,316	-21
Hot-Rolled Coils / Plates	4,434	3,995	3,995	3,670	3,204	
Cold-Rolled Coils	1,323	1,380	1,315	1,805	1,112	
4. Others Products ^{2/}	26	49	45	49	61	24
5. Coated Steel	850	1,010	984	984	754	-23
Tinplates	228	300	216	253	230	
Tin Free Steel	129	150	158	156	140	
Galvanized Sheets	311	320	304	288	251	
Zincalume, Colorbond, ShutterEx and Paint	182	240	306	287	133	
6. Pipes & Tubes ^{E2}	406	420	414	434	344	-21
Steel Products Total ^{3/}	11,617	10,134	10,665	9,996	8,166	-18

1/ : % Changes as compared with 2008

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 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Scrap	31,784	53,405	49,837	101,207	71,939	-29
Value	1,893	3,923	3,576	6,781	3,222	-52
2. Unwrought	386,924	418,445	420,857	437,359	368,687	-16
Aluminium	165,084	197,606	205,877	199,079	184,733	-7
Aluminium alloys	221,841	220,838	214,980	238,280	183,954	-23
Value	30,586	41,012	40,043	40,759	23,406	-43
3. Powders & Flakes	434	546	648	744	499	-33
Value	92	110	116	141	107	-24
4. Bars, Rods & Profiles	5,905	9,472	9,919	10,013	7,138	-29
Aluminium	527	405	700	1,182	679	-43
Aluminium alloys	5,378	9,067	9,219	8,831	6,459	-27
Value	970	1,400	1,505	1,476	897	-39
5. Wire	2,685	2,952	3,438	3,882	3,231	-17
Aluminium	175	90	94	86	168	95
Aluminium alloys	2,510	2,862	3,344	3,796	3,063	-19
Value	339	466	522	541	365	-33
6. Plates, Sheets & Strip (t>0.2mm)	47,690	31,918	40,411	36,059	22,540	-37
Aluminium	9,356	9,899	10,953	12,977	9,365	-28
Aluminium alloys	38,333	22,019	29,458	23,082	13,175	-43
Value	5,809	4,621	5,570	5,512	2,610	-53
7. Foil (t≤0.2mm)	13,517	12,836	15,001	16,920	14,901	-12
Not backed	9,086	8,031	10,297	11,105	10,025	-10
Backed	4,431	4,806	4,704	5,815	4,876	-16
Value	2,057	1,968	2,299	2,657	2,244	-16
8. Tubes, Pipes & Fittings	6,142	6,670	6,893	9,775	6,726	-31
Tubes & Pipes	5,781	6,158	6,441	9,363	6,371	-32
Fittings	361	512	452	412	355	-14
Value	1,875	2,121	1,841	2,370	1,579	-33
Total Quantity	495,081	536,244	547,004	615,959	495,661	-20
Total Value	43,621	55,621	55,472	60,236	34,430	-43

1/ : % Changes as compared with 2008

Table 5 Copper Import Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Matte & Cement	1	71	403	1,175	665	-43
Value	0	3	12	13	6	-54
2. Scrap	5,015	6,426	7,583	9,187	9,416	2
Value	602	1,227	1,646	1,994	1,448	-27
3. Unwrought	246,279	310,884	363,637	273,849	221,321	-19
Copper	235,715	301,123	357,575	266,968	216,969	-19
Copper alloys	10,564	9,761	6,062	6,881	4,352	-37
Value	35,596	69,499	64,667	67,781	41,085	-39
4. Powders & Flakes	1,242	1,090	2,553	2,205	836	-62
Value	1,655	278	687	702	255	-64
5. Bars, Rods & Profiles	11,227	13,422	12,157	14,530	13,922	-4
Copper	2,219	1,802	1,245	957	3,086	222
Copper alloys	9,008	11,620	10,912	13,573	10,836	-20
Value	1,664	3,001	2,996	3,492	2,493	-29
6. Wire	39,097	39,950	37,845	36,446	30,191	-17
Copper	35,934	36,437	34,224	31,678	26,931	-15
Copper alloys	3,163	3,513	3,621	4,768	3,260	-32
Value	6,431	10,838	13,206	9,681	5,941	-39
7. Plates, Sheets & Strip (t>0.15 mm)	35,374	39,949	39,158	44,693	32,534	-27
Copper	11,836	12,592	14,375	17,571	11,330	-36
Copper alloys	23,539	27,357	24,783	27,122	21,204	-22
Value	8,048	11,976	12,442	15,012	8,964	-40
8. Foil (t≤0.15 mm)	13,215	13,486	14,594	15,579	12,745	-18
Not backed	8,012	8,112	7,974	7,633	5,159	-32
Backed	5,203	5,373	6,620	7,946	7,586	-5
Value	4,461	5,312	6,075	6,547	4,129	-37
9. Tubes, Pipes & Fittings	14,943	17,793	20,988	23,131	15,574	-33
Tubes & Pipes	13,898	16,530	19,441	21,923	14,559	-34
Fittings	1,046	1,263	1,547	1,208	1,015	-16
Value	3,293	4,732	6,397	8,182	4,237	-48
Total Quantity	366,394	443,071	498,918	420,795	337,204	-20
Total Value	61,750	106,865	108,128	113,404	68,558	-40

1/ : % Changes as compared with 2008

Table 6 Iron and Steel Import Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Pig Iron/DRI/HBI	967,640	574,104	924,055	792,194	432,135	-45
Value	11,740	7,387	12,271	17,039	5,670	-67
2. Ferro-alloys	79,975	97,021	106,645	106,916	72,777	-32
Ferro-chromium	15,616	18,317	23,252	22,213	13,810	-38
Ferro-manganese	9,597	14,476	12,935	9,606	5,841	-39
Ferro-silicon	24,142	27,348	29,999	34,624	20,659	-40
Ferro-silicon-manganese	27,748	34,377	36,350	37,930	30,636	-19
Other	2,873	2,503	4,109	2,543	1,831	-28
Value	3,191	3,229	4,533	7,460	3,606	-52
3. Scrap	1,683,042	1,372,761	1,784,006	2,577,354	1,323,324	-49
Carbon Steel	1,451,420	1,179,579	1,330,248	1,863,758	980,599	-47
Cast Iron	194,201	139,908	360,120	651,193	303,991	-53
Stainless Steel	3,646	5,496	5,364	5,153	2,448	-52
Other Alloy Steel	33,624	47,631	88,171	57,250	33,730	-41
Other	152	147	102	0	2,556	na.
Value	19,527	14,796	21,329	45,849	14,720	-68
4. Semi-Finished Products	5,709,947	3,924,818	2,444,718	3,428,102	3,577,048	4
Billet	1,825,237	1,525,704	817,677	1,068,921	1,340,050	25
Billet & Slab (≥ 0.25 C)	366,324	281,691	194,266	109,297	0	na.
Ingot	475	523	1,433	7,740	699	-91
Slab	3,475,634	2,083,935	1,294,888	2,096,285	2,224,819	6
Other	42,277	32,966	136,454	145,859	11,480	-92
Value	95,353	57,676	41,166	86,789	54,842	-37
5. Long Products	1,301,349	1,562,096	1,360,198	1,518,679	936,494	-38
Angles, Shapes & Sections	21,695	16,739	42,122	55,579	32,774	-41
Bars	400,010	811,642	405,171	492,821	277,496	-44
Cold-drawn Bars	51,840	54,472	60,684	108,831	43,217	-60
Wire Rods	715,663	553,703	645,724	628,291	483,227	-23
Wires	112,141	125,539	206,497	233,157	99,780	-57
Value	21,695	38,726	43,242	79,991	35,085	-56
6. Hot Rolled Flat Product	2,940,612	2,362,645	2,934,373	3,137,655	1,871,246	-40
Coil	2,597,199	2,140,582	2,654,457	2,885,701	1,711,670	-41
Plate & Sheet	173,881	174,226	271,510	244,692	152,760	-38
Strip	169,533	47,837	8,407	7,262	6,816	-6
Value	84,206	66,241	82,869	106,397	49,805	-53

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
7. Cold Rolled Flat Product	857,447	841,489	638,460	609,498	337,903	-45
Coil	551,868	587,060	442,346	402,116	206,215	-49
Plate & Sheet	233,430	186,783	148,733	154,140	90,091	-42
Strip	72,149	67,645	47,381	53,242	41,597	-22
Value	34,134	32,550	26,252	28,911	15,085	-48
8. Coated Products	1,459,211	1,529,278	1,702,817	826,985	484,654	-41
Chromium Plate	30,832	37,227	49,208	60,145	29,952	-50
Electro Galvanized	151,667	153,402	153,236	165,833	115,636	-30
Hot dip Galvanized	865,591	804,205	926,608	105,275	6,695	-94
Tinplate	75,319	100,506	132,601	140,601	136,193	-3
Other	201,851	281,408	165,303	194,378	115,761	-40
Zincalume/ Color Coated	133,951	152,530	275,862	160,753	80,417	-50
Value	51,360	46,856	52,957	30,559	16,622	-46
9. Pipes & Fittings	500,451	1,075,658	488,636	463,549	336,434	-27
Fittings	22,187	26,072	30,856	46,214	27,546	-40
Seam Pipes	114,549	102,611	293,210	167,065	163,063	-2
Seamless Pipes	363,715	946,974	164,570	250,270	145,825	-42
Value	29,663	44,461	30,694	44,603	32,861	-26
10. Sheet Piling	150	76	2,967	2,156	1,533	-29
Stainless Steel	0	3	20	1	0	-100
Other Alloy Steel	-	-	-	-	-	-
Other	149	73	2,947	2,155	1,533	-29
Value	6	10	263	118	54	-54
11. Rails and Accessories	17,889	22,655	14,837	12,340	14,912	21
Value	712	658	548	691	552	-20
Finished Steel Products Total^{2/}	7,077,109	7,393,894	7,142,288	6,570,862	3,983,176	-44
Finished Steel Products Value^{2/}	221,775	229,502	236,827	291,270	150,064	-37
Total Quantity	15,517,712	13,362,598	12,401,711	13,475,428	9,388,460	-24
Total Value	351,586	312,589	316,126	448,407	228,902	-28

1/ : % Changes as compared with 2008

2/ : Excludes item 1 - 4

Table 7 Lead Import Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Scrap	3	1	4,877	3,330	187	-94
Value	2	0	227	127	8	-94
2. Unwrought	74,918	87,142	73,971	62,341	81,349	30
Lead	66,554	78,136	65,853	53,818	69,373	29
Lead alloys	8,364	9,006	8,118	8,523	11,976	41
Value	3,275	4,404	6,949	5,268	4,965	-6
3. Powders & Flakes	94	27	50	34	138	306
Value	5	2	4	4	10	131
4. Bars, Rods, Profiles & Wire	364	306	269	69	448	549
Value	160	203	212	45	95	111
5. Plates, Sheets, Strip & Foil	92	84	74	121	165	36
Value	18	15	22	28	25	-11
6. Tubes, Pipes & Fittings	0	2	8	3	7	133
Value	0	1	1	1	1	0
Total Quantity	75,471	87,562	79,249	65,898	82,294	25
Total Value	3,460	4,625	7,415	5,473	5,104	-7

1/ : % Changes as compared with 2008

Table 8 Nickel Import Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Matte & Sinters	8,717	1,557	312	6	11	96
Value	206	146	8	5	6	25
2. Scrap	89	80	116	131	47	-64
Value	47	68	137	117	26	-78
3. Unwrought	2,822	2,403	2,140	2,451	1,663	-32
Nickel	2,756	2,353	2,025	2,333	1,588	-32
Nickel alloys	66	50	115	118	75	-36
Value	1,743	1,871	2,889	2,079	905	-56
4. Powders & Flakes	154	222	109	334	101	-70
Value	107	152	126	192	95	-51
5. Bars, Rods & Profiles	22	29	22	24	47	96
Value	28	42	38	41	46	12
6. Wire	216	206	133	217	205	-6
Value	155	156	164	403	262	-35
7. Plates, Sheets & Strip	133	316	398	447	318	-29
Value	116	288	507	381	211	-45
8. Foil	1	4	5	3	1	-77
Value	3	9	8 ^E	4	0	-97
9. Tubes, Pipes & Fittings	73	77	33	63	83	32
Value	62	54	41	53	201	279
Total Quantity	12,227	4,894	3,268	3,676	2,475	-33
Total Value	2,466	2,787	3,917	3,275	1,752	-46

1/ : % Changes as compared with 2008

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

Table 9 Tin Import Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Scrap	-	-	0	0	0	0
Value	-	-	0	0	0	0
2. Unwrought	17,377	21,264	15,935	12,956	10,508	-19
Tin	17,142	20,753	15,000	12,345	10,368	-16
Tin alloys	235	511	935	611	140	-77
Value	5,139	6,812	8,099	8,346	4,671	-44
3. Powders & Flakes	6	5	11	6	6	-9
Value	3	3	7	6	4	-33
4. Bars, Rods, & Profiles	219	159	334	141	303	115
Value	161	117	221	315	176	-44
5. Wire	125	113	93	37	86	132
Value	18	11	18	27	58	119
6. Plates, Sheets & Strip (t>0.2mm)	194	323	711	198	73	-63
Value	28	24	35	10	4	-62
7. Foil	10	10	0	0	10	na.
Value	1	1	1	0	7	na.
8. Other	32	37	76	40	29	-28
Value	33	40	61	39	7	-82
Total Quantity	17,962	21,910	17,159	13,379	11,015	-18
Total Value	5,383	7,009	8,407	8,743	4,927	-44

1/ : % Changes as compared with 2008

Table 10 Zinc Import Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Scrap	65	223	160	95	290	207
Value	3	14	12	5	6	28
2. Unwrought	33,053	33,758	21,057	31,045	17,821	-43
Zinc	23,407	23,073	12,316	20,559	12,324	-40
Zinc alloys	9,646	10,685	8,741	10,486	5,497	-48
Value	1,895	3,896	2,644	2,342	1,124	-52
3. Dust, Powders & Flakes	2,197	2,219	2,535	3,474	2,371	-32
Value	164	308	365	336	213	-37
4. Bars, Rods, & Profiles	34	49	8	338	947	180
Value	13	7	1	14	37	156
5. Wire	810	801	609	884	477	-46
Value	69	113	100	99	39	-61
6. Plates, Sheets & Strip	1,283	517	302	598	1,145	92
Value	58	20	30	66	70	7
7. Foil	120	0	79	214	17	-92
Value	4	0	9	8	2	-76
8. Tubes, Pipes & Fittings	3	62	404	221	72	-67
Value	2	6	12	21	25	19
Total Quantity	37,566	37,629	25,154	36,869	23,140	-37
Total Value	2,207	4,364	3,172	2,892	1,516	-48

1/ : % Changes as compared with 2008

Table 11 Precious Metals Import Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Silver	2,384	1,569	2,556	1,652	1,458	-12
Metal product	1,817	1,472	2,300	1,599	1,398	-13
Jewellery	568	97	256	54	60	12
Value	14,118	15,097	19,303	20,146	19,572	-3
2. Gold	154	128	157	250	135	-46
Metal product	144	115	111	240	123	-49
Jewellery	10	13	46	10	12	22
Value	84,978	75,015	62,348	220,147	144,433	-34
3. Platinum	-	-	1	3	3	11
Unwrought / Powder			0	1	0	-96
Other			1	2	3	109
Value	-	-	822	1,059	1,200	13
4. Palladium	-	-	0	0	0	-51
Unwrought / Powder			0	0	0	33
Other			0	0	0	-59
Value	-	-	127	123	84	-32
5. Rhodium	-	-	0	0	0	340
Unwrought / Powder			0	0	0	0
Other			0	0	0	280
Value	-	-	13	2	7	304
6. Other	44	59	1,801	620	208	-66
Unwrought / Powder			0	0	0	0
Other			1,801	620	208	-66
Value	1,393	1,360	566	1,418	384	-73
Total Quantity	2,583	1,756	4,515	2,525	1,804	-29
Total Value	100,489	91,472	83,179	242,895	165,680	-32

1/ : % Changes as compared with 2008

Table 12 Others Import Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Antimony	318	558	506	255	282	11
Value	44	111	97	53	52	-2
2. Beryllium	2	1	3	2	0	-68
Value	2	1	3	3	1	-50
3. Bismuth	14	26	45	41	24	-43
Value	23	41	72	60	33	-45
4. Cadmium	0	0	1	2	0	-97
Value	0	0	4	0	0	-56
5. Chromium	31	32	59	55	25	-55
Value	47	57	57	56	34	-38
6. Cobalt	175	243	215	202	491	144
Value	292	360	392	572	317	-45
7. Magnesium	1,351	1,450	1,107	1,229	1,123	-9
Value	116	120	112	206	115	-44
8. Manganese	679	1,695	1,074	716	1,098	53
Value	53	94	136	74	63	-15
9. Molybdenum	51	45	55	44	26	-41
Value	236	190	249	190	102	-47
10. Tantalum	68	91	111	101	78	-23
Value	1,177	1,450	1,555	1,482	1,214	-18
11. Titanium	237	200	241	278	269	-3
Value	602	549	466	587	825	41
12. Tungsten	198	249	273	239	134	-44
Value	552	583	435	466	250	-46
13. Zirconium	249	217	224	145	28	-81
Value	24	30	20	27	15	-43
14. Other	20	42	68	46	28	-40
Value	10	8	29	32	30	-5
Total Quantity	3,392	4,850	3,982	3,353	3,604	7
Total Value	3,183	3,606	3,627	3,807	3,051	-20

1/ : % Changes as compared with 2008

EXPORT

Table 13 Aluminium Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Scrap	21,298	26,311	30,076	30,655	23,511	-23
Value	1,103	1,864	1,849	2,069	987	-52
2. Unwrought	13,295	11,414	19,749	29,117	38,337	32
Aluminium	172	230	847	248	385	55
Aluminium alloys	13,123	11,184	18,903	28,869	37,952	31
Value	1,111	1,136	1,670	2,559	2,830	11
3. Powders & Flakes	8	789	305	13	20	55
Value	1	137	46	0	9	na.
4. Bars, Rods & Profiles	20,587	28,956	33,609	32,033	26,282	-18
Aluminium	15,447	24,648	30,491	29,579	22,609	-24
Aluminium alloys	5,140	4,308	3,118	2,454	3,673	50
Value	1,829	3,097	3,330	3,045	1,884	-38
5. Wire	47	59	133	35	34	-4
Aluminium	0	0	0	0	0	0
Aluminium alloys	47	59	133	35	34	-4
Value	8	10	25	13	12	-7
6. Plates, Sheets & Strip (t > 0.2mm)	11,714	12,377	11,629	13,041	16,026	23
Aluminium	8,046	8,997	11,322	13,007	15,981	23
Aluminium alloys	3,668	3,380	307	34	45	33
Value	1,173	1,421	1,277	1,469	1,382	-6
7. Foil (t ≤ 0.2mm)	2,292	2,924	4,997	5,285	5,142	-3
Not backed	511	907	1,681	1,037	221	-79
Backed	1,781	2,017	3,316	4,248	4,921	16
Value	348	494	1,234	932	1,059	14
8. Tubes, Pipes & Fittings	3,406	3,799	3,311	3,029	2,665	-12
Tubes & Pipes	2,762	3,197	2,552	2,298	2,257	-2
Fittings	644	602	759	731	408	-44
Value	943	1,149	998	1,012	724	-28
Total Quantity	72,648	86,628	103,809	113,207	112,017	-1
Total Value	6,515	9,307	10,430	11,098	8,887	-20

1/ : % Changes as compared with 2008

Table 14 Copper Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Matte & Cement	0	0	26	0	2	na.
Value	0	0	5	0	1	na.
2. Scrap	58,257	60,410	68,900 ^E	76,378	69,669	11
Value	7,117	12,364	13,338	11,115	7,383	-34
3. Unwrought	20,668	54,288	58,335	9,953	2,248	-77
Copper	19,944	53,214	57,338	9,460	15	-100
Copper alloys	724	1,074	997	494	2,233	352
Value	2,684	8,926	9,091	1,554	84	-95
4. Powders & Flakes	101	169	7,732	76	479	532
Value	1,246	25	609	30	60	102
5. Bars, Rods & Profiles	9,958	14,828	19,249	19,585	17,854	-9
Copper	9,561	14,544	18,975	19,274	17,691	-8
Copper alloys	397	284	274	311	163	-48
Value	1,727	4,109	5,375	5,325	3,663	-31
6. Wire	5,345	1,215	3,702	2,804	5,564	98
Copper	4,878	544	3,103	2,405	5,003	108
Copper alloys	467	670	599	399	561	41
Value	303	308	1,072	783	1,164	49
7. Plates, Sheets & Strip (t > 0.15 mm)	6,818	11,331	12,361	9,967	6,487	-35
Copper	1,889	3,909	4,222	3,163	1,906	-40
Copper alloys	4,929	7,422	8,139	6,804	4,581	-33
Value	1,066	2,875	3,242	2,857	1,274	-55
8. Foil (t ≤ 0.15 mm)	9,212	10,501	10,358	9,893	7,653	-23
Not backed	1,884	2,117	2,531	1,164	409	-65
Backed	7,328	8,384	7,827	8,729	7,244	-17
Value	1,799	1,943	2,028	1,474	1,217	-17
9. Tubes, Pipes & Fittings	23,056	27,611	44,210	26,309	22,756	-14
Tubes & Pipes	18,699	22,986	40,889	24,178	21,203	-12
Fittings	4,357	4,625	3,321	2,131	1,553	-27
Value	4,800	8,596	11,595	8,439	5,908	-30
Total Quantity	133,416	180,353	224,873	154,965	132,712	-14
Total Value	20,741	39,146	46,355	31,576	20,754	-34

1/ : % Changes as compared with 2008

E : Estimates (Source of Customs Department : Quantity of Scrap is 106,897 tonnes)

Table 15 Iron and Steel Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Pig Iron/DRI/HBI	24,822	99,998	52,031	72,803	31,284	-57
Value	525	634	730	1,488	783	-47
2. Ferro-alloys	61	33	2,702	1,482	961	-35
Ferro-chromium	23	-	39	78	99	27
Ferro-manganese	0	0	40	191	103	-46
Ferro-silico-manganese	-	-	0	0	0	0
Ferro-silicon	38	32	2,049	149	89	-40
Other	0	0	574	1,065	670	-37
Value	5	2	180 ^E	48	35	-73
3. Scrap	172,693	245,428	298,202	361,269	341,686	-5
Carbon Steel	95,802	134,364	169,968	203,021	243,919	20
Cast Iron	3,345	4,406	9,993	20,810	15,045	-28
Stainless Steel	66,168	72,774	54,704	66,768	59,052	-12
Other Alloy Steel	7,378	33,812	63,537	70,626	23,670	-66
Other	-	72	-	44	0	-
Value	3,972	5,478	8,066	6,120	3,481	-43
4. Semi-Finished Products	39,654	18,471	132,499	143,301	66,862	-53
Billet	39,245	18,101	93,222	135,239	64,550	-52
Billet & Slab (t ≥ 0.25 C)	71	8	37,669	55	9	-
Ingot	236	300	1,525	767	120	-84
Slab	101	2	78	5,093	2,093	-
Other	2	61	6	2,147	90	-96
Value	555	349	2,467	3,415	975	-71
5. Long Products	514,821	625,388	606,421	767,621	627,311	-18
Angles, Shapes & Sections	257,993	279,774	271,353	236,323	220,293	-7
Bars	40,194	83,394	114,726	244,484	135,872	-44
Cold-drawn Bars	91,095	124,257	100,564	148,003	85,197	-42
Wire Rods	7,588	8,654	26,309	47,723	90,754	90
Wires	117,952	129,310	93,470	91,089	95,195	5
Value	15,331	17,134	16,796	25,615	15,422	-40
6. Hot Rolled Flat Product	775,106	736,422	898,304	789,568	323,822	-59
Coil	460,417	465,745	704,176	534,275	252,572	-53
Plate & Sheet	313,812	269,711	193,144	254,012	70,161	-72
Strip	877	966	984	1,281	1,089	-15
Value	15,774	15,277	18,062	22,113	5,960	-73

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
7. Cold Rolled Flat Product	376,732	282,145	417,016	229,301	109,305	-52
Coil	276,907	153,797	186,108	113,351	33,924	-70
Plate & Sheet	95,360	126,486	228,694	112,337	70,772	-37
Strip	4,464	1,862	2,214	3,613	4,609	28
Value	15,327	11,537	15,027	10,779	4,261	-60
8. Coated Products	85,694	160,227	238,453	46,222	24,868	-46
Chromium Plate	42	204	494	159	217	37
Electro Galvanized	17,571	20,804	21,572	12	4,233	34,037
Hot dip Galvanized	30,560	45,565	56,426	6,822	2,965	-57
Tinplate	1,792	3,830	3,245	1,406	4,867	246
Other	11,802	36,130	41,049	8,900	9,120	2
Zincalume/ Color Coated	23,927	53,693	115,668	28,923	3,466	-88
Value	3,968	5,212	7,543	2,140	1,189	-44
9. Pipes & Fittings	266,299	285,661	285,800	370,587	234,706	-37
Fittings	64,754	72,187	77,924	77,108	50,361	-35
Seam Pipes	165,642	192,872	189,337	275,450	172,028	-38
Seamless Pipes	35,902	20,602	18,540	18,030	12,317	-32
Value	15,359	17,675	18,745	23,850	18,474	-23
10. Sheet Piling	22,636	25,770	36,989	28,421	28,607	1
Stainless Steel	48	12	42	211	72	-66
Other Alloy Steel	-	34	5	102	0	na.
Other	22,589	25,723	36,942	28,108	28,535	2
Value	527	587	964	853	605	-29
11. Rails and Accessories	901	703	593	1,669	1,247	-25
Value	45	35	46	80	91	14
Finished Steel Products Total^{2/}	2,042,189	2,116,316	2,483,575	2,233,388	1,349,866	-40
Finished Steel Products Value^{2/}	66,330	67,456	77,182	85,429	46,002	-46
Total Quantity	2,279,420	2,480,246	2,969,009	2,812,243	1,790,659	-36
Total Value	71,387	73,920	88,625	96,499	51,276	-47

1/ : % Changes as compared with 2008

2/ : Excludes item 1 - 4

E : Estimates (Source of Customs Department : Value of Ferro-alloys was 405 million bahts)

Table 16 Lead Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Scrap	290	271	229	314	738	135
Value	29	39	57	77	94	23
2. Unwrought	766	2,174	1,172	4,898	4,104	-16
Lead	100	893	495	1,764	2,580	46
Lead alloys	666	1,281	677	3,134	1,524	-51
Value	15	113	101	273	175	-36
3. Powders & Flakes	0	170	0	1,226	0	na
Value	0	11	0	11	0	na
4. Bars, Rods, Profiles & Wire	3	0	52	26	421	1,533
Value	1	0	15	9	32	282
5. Plates, Sheets, Strip & Foil	22	33	22	24	17	-30
Value	4	4	3	5	3	-49
6. Tubes, Pipes & Fittings	1	0	4	6	1	-90
Value	0	0	1	1	0	-94
Total Quantity	1,082	2,648	1,479	6,467	5,280	-18
Total Value	49	167	176	376	305	-19

1/ : % Changes as compared with 2008

Table 17 Nickel Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Matte & Sinters	1	2	0	0	38	0
Value	0	1	0	0	5	0
2. Scrap	1,216	994	1,056	829	689	-17
Value	236	258	1,096	209	97	-54
3. Unwrought	7	55	0	1	0	-86
Nickel	7	55	0	0	0	na
Nickel alloys	-	-	0	1	0	na
Value	4	31	1	2	0	-81
4. Powders & Flakes	46	46	41	332	2,617	689
Value	5	2	7	7	4	-43
5. Bars, Rods & Profiles	8	0	0	50	0	na
Value	3	0	0	5	0	na
6. Wire	2	1	9	0	2	na
Value	1	0	1	1	3	500
7. Plates, Sheets & Strip	2	7	0	0	1	400
Value	3	4	0	1	5	880
8. Foil	0	0	1 ^E	0	1	-72
Value	0	0	1	0	1	565
9. Tubes, Pipes & Fittings	-	27	484	2,488	2,480	0
Value	-	6	37	215	154	-28
Total Quantity	1,282	1,132	1,592	3,700	5,828	58
Total Value	253	301	1,144	438	270	-38

1/ : % Changes as compared with 2008

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

Table 18 Tin Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Scrap	323	328	1,226	1,420	1,570	11
Value	11	11	286	406	320	-21
2. Unwrought	24,927	19,913	18,898	16,756	16,051	-4
Tin	24,855	19,857	18,813	16,706	16,007	-4
Tin alloys	72	55	85	51	44	-13
Value	7,642	6,502	9,523	10,412	7,562	-27
3. Powders & Flakes	57	73	0	20	51	155
Value	22	25	0	12	28	137
4. Bars, Rods, & Profiles	1,760	2,400	1,093	0	647	na.
Value	626	816	547	0	344	na.
5. Wire	21	60	98	52	31	-40
Value	7	22	40	16	2	-88
6. Plates, Sheets & Strip (t>0.2mm)	5	26	15	7	3	-59
Value	0	2	15	4	1	-68
7. Foil	1	0	10	3	0	-90
Value	0	0	6	1	0	-91
8. Other	324	244	224	218	177	-19
Value	237	190	216	269	135	-50
Total Quantity	27,419	23,044	21,564	18,476	18,530	0
Total Value	8,545	7,568	10,631	11,120	8,392	-25

1/ : % Changes as compared with 2008

Table 19 Zinc Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Scrap	1,123	3,563	5,600	4,153	5,701	37
Value	29	182	126	88	80	-9
2. Unwrought	15,628	4,855	14,307	18,789	27,495	46
Zinc	176	2,468	6,323	11,820	23,885	102
Zinc alloys	15,453	2,386	7,984	6,969	3,610	-48
Value	864	704	1,726	1,162	1,508	30
3. Dust, Powders & Flakes	1,544	1,576	1,951	4,611	12,381	169
Value	27	85	74	126	68	-46
4. Bars, Rods, & Profiles	5	6	2	0	1	na
Value	0	0	0	0	0	na
5. Wire	22	62	56	394	838	113
Value	1	2	3	16	30	90
6. Plates, Sheets & Strip	12,372	4,812	1,588	2,653	1,006	-62
Value	400	149	33	122	48	-61
7. Foil	0	84	23	40	14	-66
Value	0	2	2	4	1	-84
8. Tubes, Pipes & Fittings	419	520	841	1,012	1,407	39
Value	72	40	43	53	60	13
Total Quantity	31,113	15,478	24,368	31,652	48,843	54
Total Value	1,394	1,165	2,009	1,570	1,795	14

1/ : % Changes as compared with 2008

Table 20 Precious Metals Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Silver	1,444	2,885	4,083	1,574	1,336	-15
Metal product	85	192	279	305	123	-60
Jewellery	1,359	2,693	3,804	1,269	1,213	-4
Value	21,061	22,875	28,714	29,622	34,164	15
2. Gold	155	51	165	190	263	39
Metal product	32	51	78	130	211 ^{E2}	62
Jewellery	123	239 ^{E1}	88	60	52	-13
Value	54,679	61,888	93,798	173,794	241,633	39
3. Platinum	-	-	6	5	14	157
Unwrought / Powder			2	4	1	-83
Other			4	2	13	751
Value	-	-	713	1,126	1,028	-9
4. Palladium	-	-	6	11	5	-50
Unwrought / Powder			0	2	5	na
Other			6	9	0	-100
Value	-	-	4	21	2	-89
5. Rhodium	-	-	12	48	38	-19
Unwrought / Powder			12	44	24	-45
Other			0	4	14	305
Value	-	-	18	86	27	-69
6. Other	16	376	2,865	131	90	-31
Unwrought / Powder			0	0	0	0
Other			2,865	131	90	-31
Value	1,816	1,538	1,897	3,399	3,481	2
Total Quantity	1,614	5,702	7,137	1,958	1,747	-11
Total Value	77,556	86,300	125,144	208,048	280,336	35

1/ : % Changes as compared with 2008

E1 : Estimates (Source of Customs Department : Quantity of Gold Jewellery Products is 2,390 tonnes)

E2 : Estimates (Source of Customs Department : Quantity of Gold Metal Products is 712 tonnes)

Table 21 Others Export Statistics 2005 - 2009

Unit : Metric Tonnes

Value : Million Baht

ITEM	2005	2006	2007	2008	2009	%Δ ^{1/}
1. Antimony	171	170	90	62	463	652
Value	22	33	12	12	86	617
2. Beryllium	-	-	0	0	0	0
Value	-	-	0	0	0	0
3. Bismuth	-	0	48	0	3	na
Value	-	3	1	0	5	na
4. Cadmium	7	4	1	2	0	na
Value	1	0	0	1	0	na
5. Chromium	0	0	4	13	0	-99
Value	0	0	0	0	1	33
6. Cobalt	20	0	2	15	3	-82
Value	2	0	3	47	5	-90
7. Magnesium	14	6	11	4	30	697
Value	0	0	0	1	1	-41
8. Manganese	-	1	0	0	70	na
Value	-	0	0	0	3	na
9. Molybdenum	5	0	1	2	10.28 ^E	314
Value	8	0	2	5	7	32
10. Tantalum	102	168	79	104	25	-76
Value	826	1,574	795	896	218	-76
11. Titanium	23	26	71	35	6	-82
Value	35	24	61	26	21	-18
12. Tungsten	60	240	255	1,090	217	-80
Value	60	105	65	118	23	-81
13. Zirconium	0	0	28	2,494	10	-100
Value	0	0	1	18	1	-97
14. Other	-	0	0	0	5	na
Value	-	1	0	0	2	na
Total Quantity	401	615	591	3,820	841	-78
Total Value	954	1,742	940	1,125	371	-67

1/ : % Changes as compared with 2008

E : Estimates (Source of Customs Department : Quantity of Molybdenum Products is 170 tonnes)

DOMESTIC PRICE

Table 22 Metals Domestic Price Statistics 2009

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1. Aluminium	64	61	62	66	66	70	74	86	81	82	85	94	74
2. Antimony	195	208	209	196	207	208	234	265	263	276	278	268	234
3. Copper	149	153	176	205	207	223	233	274	273	275	290	303	230
4. Gold^{1/}	967	1,073	1,068	1,020	1,035	1,044	1,027	1,008	1,089	1,125	1,211	1,218	1,074
5. Lead	51	51	58	64	65	75	75	84	97	97	100	101	77
6. Nickel	515	479	452	516	570	666	710	872	789	802	738	732	653
7. Tin	517	508	498	538	621	667	624	658	657	656	649	669	605
8. Zinc	54	51	57	63	67	69	70	81	83	87	95	102	73

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 2009

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1. Scrap^{1/}	9.5	10.0	8.7	8.2	9.0	8.1	10.0	10.5	11.0	10.0	8.8	10.0	9.5
2. Round Bars SR.24 Ø 12 mm.	18.1	18.8	18.0	17.8	18.1	18.4	19.3	20.1	20.4	20.0	19.3	19.1	19.0
3. Deformed Bars SD.30 Ø 12 mm.	17.7	18.5	17.5	17.4	17.7	18.0	18.9	19.7	20.0	19.8	19.0	19.0	18.6
4. Deformed Bars SD.40 Ø 12 mm.	17.9	18.6	17.7	17.5	17.8	18.1	19.0	19.8	20.1	20.1	19.2	19.1	18.7
5. Angle (Size 40x40x4 mm.)	21.1	21.4	20.2	20.2	19.4	21.0	21.4	22.3	22.9	22.1	21.1	21.6	21.2
6. Channel (Size 75x40x40x5 mm.)	21.1	22.6	21.4	21.3	19.5	21.2	21.7	22.3	23.0	22.3	21.3	21.6	21.6
7. Wires (No. 18)	29.1	29.1	28.5	28.0	27.9	26.4	26.3	26.7	28.1	28.0	27.4	27.0	27.7
8. P.C. WIRE	47.3	45.3	44.3	43.0	42.3	42.0	42.3	43.5	44.3	44.3	43.7	43.3	43.8
9. P.C. STRAND	47.7	46.3	45.3	44.0	42.7	43.0	43.3	44.5	45.3	45.3	44.7	44.3	44.7
10. HR coil (2 mm.)	23.6	22.6	22.6	22.6	20.8	21.1	21.8	22.6	22.9	23.6	22.1	22.1	22.4
11. Stainless steel sheet (1.5 mm.)	94.1	92.1	87.1	86.2	88.1	92.1	92.1	119.5	110.7	108.8	110.7	98.0	98.3

Source: 1/ Entrepreneur

: Bureau of Trade and Economic Indicies

APPENDIX I

METALS WORLD PRICE STATISTICS

Table I-1 Aluminium World Price Statistics 2000 - 2009

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	2,447	2,777	3,005	2,959	2,903	2,967	3,058	2,765	2,531	2,122	1,853	1,495	2,574
2009	1,412	1,329	1,335	1,420	1,460	1,573	1,668	1,934	1,834	1,874	1,949	2,174	1,664

Source : London Metal Exchange (LME)

Table I-2 Antimony World Price Statistics 2000 - 2009

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	5,614	6,008	5,894	6,003	6,375	6,415	6,356	6,689	6,750	6,635	5,869	4,439	6,087
2009	4,272	4,513	4,483	4,238	4,584	4,658	5,270	5,975	5,956	6,329	6,409	6,175	5,239

Source : MB Free Market

Table I-3 Cadmium (99.99%) World Price Statistics 2000 - 2009

Unit : US\$/Pound

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
2000	0.21	0.21	0.21	0.21	0.20	0.23	0.21	0.20	0.20	0.20	0.20	0.20	0.21
2001	0.20	0.20	0.24	0.36	0.50	0.46	0.45	0.57	0.60	0.60	0.55	0.40	0.43
2002	0.40	0.40	0.39	0.33	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.38
2003	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.69	0.65	0.65	0.75
2004	0.62	0.60	0.60	0.60	0.61	0.65	0.67	0.73	0.75	0.75	0.75	0.75	0.67
2005	0.78	0.89	0.92	0.95	1.06	1.59	2.15	2.23	2.10	2.03	2.03	2.01	1.56
2006	1.71	1.43	1.15	1.29	1.66	1.81	1.70	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
2008	3.38	3.34	3.36	3.45	3.32	3.16	3.03	2.55	2.55	2.50	1.58	0.74	2.75
2009	0.81	1.38	1.47	1.28	1.48	1.45	1.49	1.57	1.67	1.78	1.80	1.64	1.49

Source : MB Free Market

Table I-4 Copper World Price Statistics 2000 - 2009

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	7,061	7,888	8,439	8,685	8,383	8,261	8,414	7,635	6,990	4,926	3,717	3,095	6,958
2009	3,260	3,328	3,771	4,437	4,595	5,013	5,241	6,177	6,196	6,306	6,682	6,977	5,165

Source : London Metal Exchange (LME)

Table I-5 Gold World Price Statistics 2000 - 2009

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	888	924	971	910	889	890	941	840	825	813	758	820	872
2009	858	941	925	891	927	947	934	949	997	1,043	1,127	1,135	973

Source : London Metal Exchange (LME)

: *World Gold Council

Table I-6 Lead World Price Statistics 2000 - 2009

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	2,608	3,080	3,008	2,825	2,285	1,863	1,945	1,924	1,868	1,480	1,292	965	2,095
2009	1,130	1,099	1,238	1,381	1,439	1,673	1,679	1,900	2,205	2,233	2,309	2,323	1,717

Source : London Metal Exchange (LME)

Table I-7 Nickel World Price Statistics 2000 - 2009

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	27,669	27,957	31,225	28,763	25,735	22,549	20,162	18,928	17,672	12,140	10,702	9,632	21,095
2009	11,298	10,399	9,690	11,150	12,623	14,951	15,985	19,642	17,875	18,390	16,991	16,872	14,656

Source : London Metal Exchange (LME)

Table I-8 Platinum World Price Statistics 2000 - 2009

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	1,582	1,995	2,058	1,990	2,055	2,041	1,916	1,492	1,225	914	842	845	1,580
2009	951	1,037	1,082	1,164	1,132	1,219	1,162	1,245	1,289	1,333	1,401	1,445	1,205

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-9 Palladium World Price Statistics 2000 - 2009

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	374	464	492	447	437	450	428	316	250	191	207	177	353
2009	188	206	203	227	230	246	248	275	293	322	353	373	264

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-10 Silver World Price Statistics 2000 - 2009

Unit : US\$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	15.96	17.57	19.51	17.50	17.05	16.97	18.03	14.69	12.37	10.44	9.87	10.29	15.02
2009	11.29	13.41	13.12	12.51	14.03	14.65	13.36	14.35	16.39	17.24	17.81	17.67	14.65

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-11 Steel World Price Statistics 2009

Unit : US\$/Metric Ton

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
<u>US</u>													
Pig iron	284	328	291	245	245	245	245	245	245	245	245	245	259
Scrap (HMS 1&2)	248	259	222	212	234	217	238	278	290	270	240	272	248
Rebars	675	676	522	488	486	504	508	548	548	538	486	465	537
Wire rods	740	600	600	560	560	588	595	635	643	670	670	600	622
CR coil	628	620	566	530	508	494	565	604	668	677	616	635	593
HR coil	520	520	488	430	408	390	465	504	568	570	512	535	492
Galvanized coil	708	700	644	600	588	566	630	702	770	783	758	720	681
<u>China</u>													
Billet	618	621	568	563	584	627	654	662	556	535	567	600	596
Rebars	684	684	626	499	481	516	551	594	517	480	518	539	557
Wire rods	685	690	616	524	500	521	560	605	513	486	524	537	563
CR coil	551	561	470	453	465	528	627	649	610	567	634	678	566
HR coil	566	561	501	468	479	492	528	563	524	470	495	520	514
Galvanized sheet	673	694	602	526	548	602	666	702	668	638	664	690	639
<u>CIS*</u>													
Pig iron	279	271	235	220	233	252	281	295	329	296	301	323	276
Slab	394	355	322	306	310	318	373	397	450	500	408	410	379
Billet	383	375	314	345	365	371	402	425	445	428	389	415	388
Rebars	463	446	401	390	430	423	435	455	475	465	443	440	439
Wire rods	463	446	401	390	430	423	435	455	480	465	454	465	442
CR coil	632	478	436	425	410	450	576	602	629	637	603	608	541
HR coil	410	394	390	345	358	405	513	538	561	544	496	508	455
<u>EU (Brussel)</u>													
Scrap (HMS 1&2)	252	253	212	215	236	230	243	272	282	263	247	276	248
Rebars	413	386	332	340	369	343	472	493	547	551	500	524	439
Wire rods	413	386	332	340	369	343	472	493	547	551	500	524	439
CR coil	536	486	431	421	433	434	655	679	738	790	677	673	579
HR coil	426	423	373	365	369	375	550	577	625	680	581	547	491
Galvanized sheet	544	516	480	475	484	496	690	720	760	853	864	857	645
<u>Stainless Steel</u>													
CR Coil 2 mm. (304)													
ASIA	2,169	2,099	1,980	1,959	2,109	2,288	2,544	2,895	2,796	2,762	2,662	2,620	2,407
EU	4,010	4,010	4,010	4,010	3,126	2,243	2,243	2,243	2,243	2,243	2,243	2,243	2,906

Source : Metal Bulletin

* : Commonwealth of Independent States

Table I-12 Tin World Price Statistics 2000 - 2009

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	16,338	17,339	19,804	21,659	24,062	22,229	23,139	20,071	18,369	17,402	13,644	11,372	18,536
2009	11,338	11,016	10,665	11,718	13,764	14,964	14,039	14,870	14,869	15,052	14,942	15,430	13,556

Source : London Metal Exchange (LME)

Table I-13 Zinc World Price Statistics 2000 - 2009

Unit : US\$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
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
2008	2,340	2,438	2,533	2,264	2,182	1,895	1,853	1,723	1,736	1,302	1,153	1,101	1,877
2009	1,187	1,111	1,216	1,378	1,483	1,557	1,579	1,822	1,884	2,005	2,194	2,360	1,648

Source : London Metal Exchange (LME)