Statistics Report

THAILAND

METAL STATISTICS YEAR 2004

Bureau of Primary Industries
Department of Primary Industries and Mines

Statistics Report

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METAL STATISTICS YEAR 2004

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PREFACE

The publication of metal statistics entitled "Thailand Metal Statistics Year 2004" 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.

(Surapong Chiengtong)
Director

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Editors

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OVERALL

Table 1 Overall Metal Production Statistics 2002-2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	Quantities			Value[E]		
	2002	2003	2004	2002	2003	2004
1. Antimony	**0**	**12**	**2**	***0***	***1***	***0***
2. Lead	**42,900**	**45,300**	**57,500**	***800***	***930***	***2,010***
3. Steel[1/]	**9,460**	**10,236**	**12,185**	***137,200***	***186,500***	***267,800***
4. Tantalum Powder	**102**	**168**	**317**	***1,450***	***2,190***	***4,120***
5. Tin	**18,600**	**15,400**	**20,800**	***3,150***	***3,100***	***6,780***
6. Zinc	**104,800**	**116,400**	**115,500**	***3,440***	***3,850***	***4,620***
7. Gold and Silver	**23.0**	**16.8**	**15.2**	***2,235***	***2,184***	***2,342***
- Gold	4.9	4.3	4.5	2,123	2,077	2,250
- Silver	18.0	12.5	10.7	112	107	92
8. Copper	**-**	**-**	**5,800**	**-**	**-**	***725***

1/ : Unit in 1,000 Tonnes

E : Estimate

PRODUCTION

Table 2 Nonferrous Production Statistics 2000 - 2004

Unit : Metric Tonnes

ITEM	2000	2001	2002	2003	2004	%Δ 1/
1. Antimony	**16**	**12**	**0**	**12**	**2**	-83
2. Lead	**27,200**	**30,000**	**42,900**	**45,300**	**57,500**	27
3. Tantalum Powder	**210**	**150**	**102**	**168**	**317**	89
4. Tin	**17,100**	**22,900**	**18,600**	**15,400**	**20,800**	35
5. Zinc	**101,100**	**104,300**	**104,800**	**116,400**	**115,500**	-1
6. Gold and Silver	**-**	**1.5**	**23.0**	**16.8**	**15.2**	-9
- Gold		0.3	4.9	4.3	4.5	4
- Silver		1.2	18.0	12.5	10.7	-14
7. Copper	**-**	**-**	**-**	**-**	**5,800**	-

1/ : % Changes as compared with 2003

Table 3 Steel Production Statistics 2000 - 2004

Unit : 1,000 Tonnes

ITEM	2000	2001	2002	2003	2004	%Δ 1/
1. Semi-finished Products	**1,648**	**1,711**	**2,008**	**2,472**	**4,144**	68
2. Long Products E1	**2,210**	**2,500**	**3,343**	**3,534**	**4,907**	39
3. Flat Products	**3,660**	**3,358**	**4,617**	**5,246**	**5,783**	10
Hot-Rolled Coils Hot-Rolled Plates	2,243	1,895	2,952	3,321	3,840	16
Cold-Rolled Coils	1,417	1,464	1,665	1,925	1,943	1
4. Others Products 2/	**25**	**46**	**46**	**24**	**17**	-30
5. Coated Steel	**878**	**825**	**944**	**997**	**1,042**	4
Tinplates	208	212	244	274	335	22
Tin Free Steel	100	104	109	137	137	1
Galvanized Sheets	385	326	444	468	440	-6
Zincalume, Colorbond, ShutterEx and Paint	186	183	147	119	129	9
6. Pipes & Tubes E2	**490**	**510**	**511**	**435**	**436**	0
Steel Products Total 3/	**7,263**	**7,240**	**9,461**	**10,236**	**12,185**	**19**

1/ : % Changes as compared with 2003

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 2000 - 2004

Unit : Metric Tonnes

Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Scrap	**11,485**	**13,126**	**17,602**	**22,364**	**31,177**	39
Value	***569***	***699***	**890**	**1,158**	**1,768**	53
2. Unwrought	**236,949**	**234,692**	**259,324**	**330,317**	**392,748**	19
Aluminium	113,133	125,858	124,554	144,159	184,760[E2]	28
Aluminium alloys	123,816[E1]	108,834	134,769	186,158	207,988	12
Value	***14,280***	***17,122***	***16,343***	***20,128***	***28,092***	40
3. Powders & Flakes	**581**	**580**	**671**	**864**	**1,021**	18
Value	***59***	***64***	***62***	***78***	***75***	-3
4. Bars, Rods & Profiles	**3,911**	**3,416**	**2,615**	**4,278**	**4,141**	-3
Aluminium	1,503	1,609	432	641	650	2
Aluminium alloys	2,408	1,807	2,184	3,638	3,490	-4
Value	***499***	***431***	***359***	***575***	***680***	18
5. Wire	**2,360**	**2,528**	**2,741**	**2,634**	**3,258**	24
Aluminium	270	231	205	308	225	-27
Aluminium alloys	2,090	2,297	2,536	2,326	3,033	30
Value	***367***	***356***	***314***	***311***	***366***	18
6. Plates, Sheets & Strip (t>0.2mm)	**56,680**	**56,166**	**61,025**	**70,755**	**80,949**	14
Aluminium	16,392	7,124	7,612	7,930	9,670	22
Aluminium alloys	40,289	49,042	53,413	62,825	71,278	13
Value	***6,169***	***6,689***	***6,805***	***7,804***	***9,354***	20
7. Foil (t=<0.2mm)	**17,950**	**20,407**	**21,686**	**26,571**	**33,275**	25
Not backed	15,245	16,457	17,574	22,278	28,054	26
Backed	2,706	3,950	4,112	4,293	5,221	22
Value	***3,387***	***3,683***	***3,693***	***4,290***	***5,493***	28
8. Tubes, Pipes & Fittings	**2,140**	**1,866**	**2,160**	**2,391**	**3,091**	29
Tubes & Pipes	2,024	1,746	1,843	2,191	2,839	30
Fittings	115	120	317	200	251	26
Value	***599***	***786***	***742***	***890***	***1,102***	24
Total Quantity	**332,057**	**332,781**	**367,824**	**460,174**	**549,659**	**19**
Total Value	***25,930***	***29,830***	***29,209***	***35,234***	***46,929***	**33**

1/ : % Changes as compared with 2003

P : Preliminary

E1 : Estimates (Source of Customs Department : Quantity of Aluminium alloys unwrought is 242,964 tonnes)

E2 : Estimates (Source of Customs Department : Quantity of Aluminium unwrought is 1,182,453 tonnes)

Table 5 Copper Import Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Matte & Cement	**0**	**15**	**176**	**1**	**1**	6
Value	***0***	***3***	***3***	***0***	***0***	11
2. Scrap	**4,358**	**4,210**	**4,245**	**4,757**	**6,560**	38
Value	***247***	***287***	***208***	***360***	***608***	69
3. Unwrought	**159,067**	**175,331**	**195,465**	**217,016**	**282,313**	30
Copper	150,864	166,795	186,633	205,187	229,840	12
Copper alloys	8,203	8,535	8,832	11,829	52,473	344
Value	***11,990***	***13,693***	***14,153***	***16,243***	***27,838***	71
4. Powders & Flakes	**570**	**450**	**559**	**587**	**721**	23
Value	***79***	***80***	***101***	***118***	***167***	41
5. Bars, Rods & Profiles	**3,759**	**4,074**	**6,202**	**7,705**	**7,733**	0
Copper	669	407	671	934	946	1
Copper alloys	3,089	3,666	5,530	6,771	6,786	0
Value	***488***	***513***	***692***	***888***	***1,255***	41
6. Wire	**28,799**	**26,680**	**36,362**	**45,421**	**52,436**	15
Copper	25,379	23,140	31,792	41,128	49,166	20
Copper alloys	3,420	3,540	4,570	4,293	3,270	-24
Value	***2,809***	***2,632***	***2,837***	***4,171***	***6,838***	64
7. Plates, Sheets & Strip (t>0.15 mm)	**19,875**	**18,170**	**26,365**	**28,732**	**34,939**	22
Copper	5,591	5,828	8,058	8,594	11,217	31
Copper alloys	14,284	12,342	18,308	20,139	23,722	18
Value	***3,470***	***3,968***	***3,956***	***4,585***	***7,027***	53
8.Foil (t=<0.15 mm)	**14,110**	**12,102**	**14,154**	**14,517**	**15,844**	9
Not backed	6,272	6,111	5,870	6,725	7,519	12
Backed	7,838	5,991	8,284	7,791	8,325	7
Value	***3,331***	***2,826***	***2,881***	***3,524***	***4,159***	18
9.Tubes, Pipes & Fittings	**8,453**	**10,585**	**9,619**	**11,578**	**13,778**	19
Tubes & Pipes	8,139	10,190	9,365	11,172	13,268	19
Fittings	314	396	254	406	510	26
Value	***1,403***	***1,863***	***1,649***	***1,953***	***2,698***	38
Total Quantity	**238,992**	**251,616**	**293,148**	**330,314**	**414,323**	25
Total Value	***23,817***	***25,865***	***26,481***	***31,844***	***50,590***	59

1/ : % Changes as compared with 2003

P : Preliminary

Table 6 Iron and Steel Import Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Pig Iron/DRI/HBI	**312,764**	**113,478**	**203,968**	**369,589**	**918,151**	148
Value	***1,910***	***987***	***1,586***	***3,216***	***8,204***	155
2. Ferro-alloys	**54,617**	**48,185**	**54,457**	**72,017**	**84,389**	17
Ferro-chromium	7,188	4,218	5,471	8,628	11,031	28
Ferro-manganese	7,211	6,593	7,221	8,070	12,209	51
Ferro-silicon	17,506	17,291	18,223	26,423	26,240	-1
Ferro-silicon-manganese	20,859	19,040	22,047	27,511	32,602	19
Other	1,853	1,043	1,495	1,385	2,307	67
Value	***1,281***	***1,231***	***1,326***	***1,834***	***3,494***	91
3. Scrap	**741,332**	**696,512**	**977,555**	**1,279,889**	**1,849,787**	45
Carbon Steel	706,587	636,004	945,155	1,220,880	1,696,333	39
Cast Iron	144	65	197	13,463	78,531	483
Stainless Steel	7,660	343	4,038	3,970	4,650	17
Other Alloy Steel	25,464	52,280	28,090	41,562	70,009	68
Other	1,476	7,821	75	15	263	1,656
Value	***4,642***	***4,675***	***6,697***	***9,926***	***21,383***	115
4. Semi-Finished Products	**2,736,852**	**2,791,793**	**5,014,269**	**4,166,099**	**5,012,311**	20
Billet	602,584	1,044,638	1,759,849	1,619,441	2,151,221	33
Billet & Slab (>= 0.25 C)	110,006	180,475	250,427	313,445	470,573	50
Ingot	139	255	719	2,009	732	-64
Slab	1,818,973	1,492,175	2,939,626	2,173,120	2,317,763	7
Other	205,150	74,250	63,649	58,083	72,022	24
Value	***22,137***	***22,476***	***41,979***	***46,177***	***79,227***	72
5. Long Products	**625,922**	**623,088**	**822,073**	**843,077**	**930,379**	10
Angles, Shapes & Sections	58,719	35,110	14,027	20,262	12,991	-36
Bars	171,300	183,006	239,440	268,056	334,562	25
Cold-drawn Bars	21,610	21,048	21,152	39,203	43,618	11
Wire Rods	323,388	329,709	473,352	443,191	448,759	1
Wires	50,905	54,215	74,101	72,364	90,450	25
Value	***16,009***	***16,703***	***18,528***	***20,353***	***27,549***	35
6. Hot Rolled Flat Product	**2,074,998**	**2,372,782**	**2,426,063**	**2,990,162**	**2,718,985**	-9
Coil	1,929,829	2,176,596	2,281,682	2,565,333	2,466,459	-4
Plate & Sheet	138,170	189,975	138,958	418,366	210,669	-50
Strip	7,000	6,212	5,422	6,463	41,856	548
Value	***32,267***	***32,991***	***34,386***	***45,038***	***60,749***	35

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
7. Cold Rolled Flat Product	**667,269**	**716,117**	**586,447**	**666,749**	**738,613**	11
Coil	469,419	448,546	323,506	463,986	521,280	12
Plate & Sheet	159,831	233,397	224,822	165,722	168,302	2
Strip	38,019	34,174	38,119	37,041	49,032	32
Value	***17,253***	***18,056***	***15,216***	***18,828***	***24,553***	30
8. Coated Products	**542,437**	**556,119**	**885,420**	**895,727**	**1,086,426**	21
Chromium Plate	8,058	14,385	39,916	30,752	33,492	9
Electro Galvanized	135,725	129,088	145,435	131,125	131,444	0
Hot dip Galvanized	256,585	302,374	360,630	462,214	555,110	20
Tinplate	98,263	62,592	111,640	84,085	99,193	18
Other	43,806	47,679	23,887	55,054	132,604	141
Zincalume/ Color Coated		-	203,911	132,497	134,583	2
Value	***14,146***	***14,163***	***18,025***	***21,529***	***31,689***	47
9. Pipes & Fittings	**123,427**	**146,034**	**162,497**	**232,664**	**329,144**	41
Fittings	10,911	10,365	12,376	15,444	17,132	11
Seam Pipes	54,342	62,376	50,478	55,786	104,856	88
Seamless Pipes	58,175	73,293	99,644	161,434	207,157[E]	28
Value	***6,575***	***7,921***	***7,976***	***11,305***	***18,301***	62
10. Sheet Piling	**4,667**	**1,339**	**2,104**	**1,191**	**714**	-40
Stainless Steel	0	0	-	0	-	-
Other Alloy Steel	703	-	-	0	-	-
Other	3,964	1,339	2,104	1,191	714	-40
Value	***68***	***28***	***29***	***19***	***14***	-25
11. Rails and Accessories	**42,101**	**29,387**	**37,248**	**24,679**	**10,909**	-56
Value	***1,154***	***927***	**751**	**434**	**266**	-39
Finished Steel Products Total[2/]	**4,080,822**	**4,444,866**	**4,921,853**	**5,654,248**	**5,815,170**	3
Finished Steel Products Value[2/]	***87,471***	***90,789***	***94,912***	***117,505***	***163,121***	39
Total Quantity	**7,926,386**	**8,094,834**	**11,172,101**	**11,541,842**	**13,679,807**	19
Total Value	***117,442***	***120,158***	***146,501***	***178,659***	***275,429***	54

1/ : % Changes as compared with 2003

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 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Scrap	**372**	**142**	**41**	**45**	**29**	-34
Value	***6***	***3***	***0***	***1***	***3***	413
2. Unwrought	**79,176**	**57,466**	**68,797**	**84,598**	**81,244**	-4
Lead	34,674	41,513	59,918	76,951	75,086	-2
Lead alloys	44,502	15,953	8,879	7,647	6,159	-19
Value	***1,342***	***1,306***	***1,465***	***1,892***	***3,194***	69
3. Powders & Flakes	**5**	**6**	**3**	**0**	**7**	3,360
Value	***4***	***3***	***1***	***0***	***7***	3,584
4. Bars, Rods, Profiles & Wire	**642**	**590**	**634**	**408**	**483**	18
Value	***131***	***137***	***133***	***83***	***167***	103
5. Plates, Sheets, Strip & Foil	**95**	**137**	**110**	**69**	**114**	65
Value	***28***	***28***	***23***	***13***	***25***	85
6. Tubes, Pipes & Fittings	**8**	**1**	**5**	**12**	**6**	-45
Value	***1***	***0***	***1***	***1***	***1***	23
Total Quantity	**80,299**	**58,341**	**69,590**	**85,132**	**81,884**	-4
Total Value	***1,513***	***1,477***	***1,623***	***1,990***	***3,398***	71

1/ : % Changes as compared with 2003

P : Preliminary

Table 8 Nickel Import Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Matte & Sinters	**-**	**-**	**0**	**1**	**0**	-92
Value	***-***	***-***	***0***	***0***	***0***	-86
2. Scrap	**31**	**39**	**11**	**60**	**64**	7
Value	***11***	***11***	***4***	***21***	***39***	80
3. Unwrought	**1,872**	**1,411**	**1,721**	**1,903**	**2,478**	30
Nickel	1,720	1,359	1,693	1,861	2,425	30
Nickel alloys	152	52	28	41	53	28
Value	***714***	***459***	***519***	***718***	***1,437***	100
4. Powders & Flakes	**54**	**64**	**87**	**79**	**125**	58
Value	***39***	***51***	***56***	***56***	***101***	81
5. Bars, Rods & Profiles	**44**	**126**	**8**	**9**	**22**	149
Value	***19***	***19***	***10***	***12***	***22***	80
6. Wire	**135**	**236**	**156**	**259**	**162**	-37
Value	***63***	***111***	***74***	***121***	***101***	-16
7. Plates, Sheets & Strip	**88**	**45**	**284**	**113**	**101**	-11
Value	***48***	***27***	***35***	***29***	***49***	70
8. Foil	**17**	**8**	**1**	**1**	**0**	-61
Value	***3***	***3***	***9***	***2***	***1***	-64
9. Tubes, Pipes & Fittings	**16**	**14**	**9**	**21**	**62**	193
Value	***26***	***58***	***11***	***32***	***33***	3
Total Quantity	**2,257**	**1,943**	**2,278**	**2,445**	**3,013**	23
Total Value	***924***	***739***	***718***	***991***	***1,782***	80

1/ : % Changes as compared with 2003

P : Preliminary

Table 9 Tin Import Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Scrap	-	-	-	-	**10**	-
Value	-	-	-	-	***1***	-
2. Unwrought	**439**	**199**	**544**	**1,933**	**9,950**	415
Tin	117	20	182	1,414	9,684	585
Tin alloys	322	179	362	518	266	-49
Value	***90***	***41***	***125***	***444***	***3,393***	663
3. Powders & Flakes	**4**	**5**	**3**	**6**	**2**	-68
Value	***1***	***2***	***1***	***2***	***1***	-50
4. Bars, Rods, & Profiles	**56**	-	**91**	**130**	**215**	65
Value	***13***	-	***14***	***63***	***144***	129
5. Wire	**157**	**147**	**206**	**147**	**132**	-10
Value	***12***	***13***	***22***	***18***	***12***	-35
6. Plates, Sheets & Strip (t>0.2mm)	**28**	**188**	**26**	**8**	**17**	110
Value	***3***	***9***	***4***	***4***	***11***	144
7. Foil	**0**	**71**	**6**	**1**	**1**	132
Value	***1***	***4***	***1***	***1***	***0***	-60
8. Tubes, Pipes & Fittings	**6**	-	-	-	-	-
Value	***8***	-	-	-	-	-
9. Other	**45**	**19**	**7**	**15**	**37**	150
Value	***25***	***9***	***8***	***16***	***40***	148
Total Quantity	**736**	**629**	**885**	**2,240**	**10,365**	363
Total Value	***152***	***78***	***175***	***550***	***3,603***	555

1/ : % Changes as compared with 2003

P : Preliminary

Table 10 Zinc Import Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Scrap	**79**	**4**	**-**	**-**	**58**	-
Value	***2***	***0***	**-**	**-**	***1***	-
2. Unwrought	**23,832**	**24,049**	**35,980**	**34,029**	**42,702**	25
Zinc	15,304	15,698	24,477	20,944	31,577	51
Zinc alloys	8,528	8,351	11,503	13,085	11,125	-15
Value	***1,206***	***1,131***	***1,285***	***1,220***	***2,004***	64
3. Dust, Powders & Flakes	**736**	**894**	**949**	**1,566**	**1,678**	7
Value	***64***	***67***	***61***	***91***	***112***	22
4. Bars, Rods, & Profiles	**63**	**132**	**232**	**170**	**221**	29
Value	***5***	***9***	***15***	***18***	***76***	337
5. Wire	**730**	**510**	**579**	**741**	**854**	15
Value	***61***	***43***	***41***	***54***	***67***	23
6. Plates, Sheets & Strip	**34**	**54**	**120**	**130**	**666**	414
Value	***8***	***8***	***18***	***17***	***58***	249
7. Foil	**-**	**-**	**3**	**0**	**3**	20525
Value	***-***	***-***	***1***	***0***	***2***	3901
8. Tubes, Pipes & Fittings	**9**	**11**	**3**	**12**	**7**	-39
Value	***1***	***1***	***1***	***1***	***2***	79
Total Quantity	**25,482**	**25,654**	**37,867**	**36,648**	**46,189**	26
Total Value	***1,347***	***1,259***	***1,422***	***1,401***	***2,321***	66

1/ : % Changes as compared with 2003

P : Preliminary

Table 11 Precious Metals Import Statistics 2000 - 2004

Unit : Metric Tonnes

Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Silver	**2,163**	**1,015**	**926**	**1,752**	**10,714**	512
Metal product	1,912	852	896	1,520	10,613	598
Jewellery	252	164	30	232	100	-57
Value	***3,952***	***4,800***	***5,069***	***8,717***	***12,937***	48
2. Gold	**1,256**	**297**	**147**	**158**	**156**	-1
Metal product	1,216	283	137	145	142	-2
Jewellery	40	14	11	12	14	15
Value	***25,342***	***40,000***	***38,120***	***34,320***	***51,320***	50
3. Platinum - Group[2/]	**30**	**20**	**5**	**8**	**25**	213
Metal product	16	7	1	1	1	-22
Jewellery	14	13	3	7	16	134
Others[3/]	1	0	1	0	9	3,022
Value	***1,952***	***1,146***	***900***	***1,043***	***1,200***	15
Total Quantity	**3,450**	**1,332**	**1,078**	**1,918**	**10,896**	468
Total Value	***31,246***	***45,946***	***44,089***	***44,080***	***65,457***	48

1/ : % Changes as compared with 2003

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

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

P : Preliminary

Table 12 Others Import Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Antimony	**857**	**443**	**370**	**501**	**755**	69
Value	***39***	***20***	***20***	***49***	***86***	188
2. Beryllium	**23**	**0**	**6**	**1**	**1**	4
Value	***2***	***1***	***3***	***1***	***2***	12
3. Bismuth	**8**	**11**	**14**	**13**	**18**	32
Value	***4***	***6***	***6***	***7***	***10***	47
4. Cadmium	**0**	**0**	**0**	**0**	**0**	-17
Value	***0***	***0***	***0***	***1***	***0***	-78
5. Chromium	**11**	**19**	**21**	**23**	**31**	40
Value	***6***	***12***	***23***	***16***	***28***	56
6. Cobalt	**204**	**100**	**83**	**118**	**123**	7
Value	***283***	***121***	***68***	***111***	***232***	178
7. Germanium	-	-	**0**	**0**	**0**	40
Value	-	-	***0***	***1***	***1***	8
8. Magnesium	**572**	**521**	**786**	**941**	**1,354**	53
Unwrought	480	431	638	696	938	38
Scrap	28	42	118	169	372	172
Other	64	49	30	76	44	-107
Value	***55***	***46***	***65***	***78***	***126***	75
9. Manganese	**150**	**190**	**185**	**216**	**234**	10
Value	***12***	***18***	***13***	***16***	***17***	7
10. Molybdenum	**12**	**17**	**14**	**40**	**48**	56
Powders	2	3	2	2	2	14
Wire	5	6	5	5	9	58
Other	5	8	7	33	37	62
Value	***33***	***64***	***69***	***184***	***159***	-36
11. Tantalum	**29**	**23**	**27**	**41**	**83**	156
Value	***597***	***674***	***634***	***826***	***1229***	64
12. Titanium	**109**	**129**	**190**	**110**	**104**	-3
Value	***529***	***688***	***301***	***182***	***371***	63
13. Tungsten	**230**	**80**	**97**	**120**	**148**	29
Powders	8	33	41	50	63	31
Wire	14	22	25	23	28	23
Other	208	26	32	47	57	30
Value	***142***	***166***	***195***	***280***	***382***	52

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
14. Vanadium	**0**	**0**	**0**	**0**	**0**	-
Value	***0***	***0***	***0***	***0***	***0***	-35
15. Zirconium	**31**	**100**	**169**	**89**	**143**	32
Value	***5***	***8***	***15***	***10***	***12***	11
16. Other	**0**	**5**	**5**	**0**	**0**	-2
Value	***0***	***7***	***6***	***2***	***2***	16
Total Quantity	**2,236**	**1,638**	**1,967**	**2,214**	**3,043**	42
Total Value	***1,710***	***1,831***	***1,417***	***1,764***	***2,657***	63

1/ : % Changes as compared with 2003

P : Preliminary

EXPORT

Table 13 Aluminium Export Statistics 2000 - 2004

Unit : Metric Tonnes

Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Scrap	**11,503**[E1]	**13,389**	**15,321**	**17,489**	**20,623**	18
Value	***543***	***658***	***708***	***735***	***944***	28
2. Unwrought	**6,837**	**5,139**	**9,535**	**6,905**	**12,312**	78
Aluminium	139	168	140	657	1,339	104
Aluminium alloys	6,698[E2]	4,971	9,395	6,249	10,974	76
Value	***438***	***333***	***586***	***452***	***902***	100
3. Powders & Flakes	**20**	**4**	**12**	**143**	**161**	13
Value	***1***	***1***	***2***	***10***	***12***	19
4. Bars, Rods & Profiles	**10,509**	**13,124**	**13,949**	**17,052**	**22,489**	32
Aluminium	5,581	5,026	4,309	10,558	14,301	35
Aluminium alloys	4,928	8,098	9,640	6,494	8,188	26
Value	***795***	***1,085***	***1,020***	***1,224***	***1,746***	43
5. Wire	**72**	**494**	**167**	**149**	**347**	132
Aluminium	19	357	121	108	272	152
Aluminium alloys	52	138	46	41	75	81
Value	***9***	***53***	***11***	***11***	***14***	24
6. Plates, Sheets & Strip (t>0.2mm)	**7,604**	**4,642**	**3,871**	**7,610**	**9,927**	30
Aluminium	4,853	3,723	3,542	6,686	6,736	1
Aluminium alloys	2,751	919	329	925	3,191	245
Value	***1,198***	***551***	***372***	***664***	***1,023***	54
7. Foil (t=<0.2mm)	**1,068**	**1,354**	**2,321**	**2,322**	**3,524**	52
Not backed	739	1,041	2,022	1,924	2,611	36
Backed	329	313	299	398	913	130
Value	***177***	***282***	***341***	***346***	***544***	57
8. Tubes, Pipes & Fittings	**849**	**1,190**	**1,764**	**2,325**	**2,808**	21
Tubes & Pipes	693	1,030	1,495	1,883	2,352	25
Fittings	156	159	269	442	456	3
Value	***179***	***327***	***458***	***530***	***666***	26
Total Quantity	**38,461**	**39,336**	**46,941**	**53,996**	**72,190**	34
Total Value	***3,340***	***3,289***	***3,499***	***3,973***	***5,851***	47

1/ : % Changes as compared with 2003

P : Preliminary

E1 : Estimates (Source of Customs Department : Quantity of Aluminum Scrap is 70,697 tonnes)

E2 : Estimates (Source of Customs Department : Quantity of Aluminum alloy Unwrought is 160,854 tonnes)

Table 14 Copper Export Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Matte & Cement	**39**	**37**	**-**	**-**	**-**	-
Value	***2***	***3***	***-***	***-***	***-***	-
2. Scrap	**18,446**	**26,942**	**22,449**	**54,920**	**51,322**	-7
Value	***1,034***	***1,121***	***1,251***	***2,181***	***4,546***	108
3. Unwrought	**2,164**	**394**	**181**	**659**	**4,596**	597
Copper	0	5	13	18	3,893	21,972
Copper alloys	2,164	389	168	641	703	10
Value	***116***	***29***	***20***	***52***	***564***	976
4. Powders & Flakes	**181**	**35**	**50**	**60**	**94**	58
Value	***13***	***9***	***11***	***14***	***20***	41
5. Bars, Rods & Profiles	**8,880**	**10,806**	**9,812**	**7,886**	**10,185**	29
Copper	8,526	10,420	9,099	7,046	8,970	27
Copper alloys	355	387	712	840	1,216	45
Value	***892***	***1,163***	***907***	***751***	***1,359***	81
6. Wire	**5,252**	**2,243**	**571**	**613**	**889**	45
Copper	5,054	1,797	147	324	560	73
Copper alloys	198	446	424	289	329	14
Value	***693***	***273***	***163***	***168***	***168***	0
7. Plates, Sheets & Strip (t>0.15 mm)	**1,467**	**898**	**1,812**	**5,127**	**6,890**	34
Copper	436	380	1,034	1,418	1,975	39
Copper alloys	1,032	519	779	3,709[E1]	4,915[E2]	33
Value	***209***	***105***	***141***	***474***	***1,005***	112
8. Foil (t=<0.15 mm)	**9,005**	**6,944**	**7,862**	**6,762**	**7,390**	9
Not backed	1,945	1,736	1,443	1,251	1,521	22
Backed	7,061	5,208	6,420	5,511	5,869	6
Value	***2,261***	***1,117***	***983***	***834***	***883***	6
9. Tubes, Pipes & Fittings	**19,688**	**21,779**	**25,189**	**27,596**	**31,319**	13
Tubes & Pipes	12,844	18,348	21,420	23,251	25,984	12
Fittings	6,844	3,431	3,769	4,346	5,335	23
Value	***2,313***	***3,176***	***3,678***	***3,865***	***5,551***	44
Total Quantity	**65,124**	**70,078**	**67,927**	**103,622**	**112,686**	9
Total Value	***7,533***	***6,995***	***7,153***	***8,341***	***14,096***	69

1/ : % Changes as compared with 2003

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)

Table 15 Iron and Steel Export Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Pig Iron/DRI/HBI	**15,787**	**13,562**	**17,100**	**19,172**	**24,006**	25
Value	***457***	***362***	***373***	***438***	***545***	25
2. Ferro-alloys	**1,005**	**121**	**9**	**26**	**21**	-19
Ferro-chromium	5	-	-	-	-	-
Ferro-manganese	0	1	-	1	10	-
Ferro-silico-manganese	-	-	-	-	-	-
Ferro-silicon	994	121	9	25	11	24
Other	5	0	-	0	-	-
Value	***23***	***2***	***1***	***2***	***1***	-38
3. Scrap	**99,960**	**102,465**	**87,122**	**117,927**	**154,321**	31
Carbon Steel	58,712	56,332	43,870	61,808	87,721	42
Cast Iron	187	51	131	129	1,554	1,108
Stainless Steel	29,696	35,569	39,784	51,806	57,703	11
Other Alloy Steel	2,697	3,470	3,337	4,185	7,343	75
Other	8,668	7,043	-	-	-	-
Value	***1,380***	***1,116***	***1,414***	***2,198***	***3,303***	50
4. Semi-Finished Products	**33,191**	**9,824**	**1,007**	**84,442**	**72,334**	-14
Billet	25,331	5,478	18	62,541	54,909	-12
Billet & Slab (>= 0.25 C)	0	0	-	18,344	15,898	-13
Ingot	47	14	415	48	499	942
Slab	11	41	1	0	-	-
Other	7,803	4,290	573	3,508	1,028	-71
Value	***271***	***91***	***10***	***897***	***993***	11
5. Long Products	**613,719**	**732,827**	**536,414**	**568,314**	**615,732**	8
Angles, Shapes & Sections	313,606	261,759	250,743	288,344	285,984	-1
Bars	81,777	261,230	57,773	50,274	54,806	9
Cold-drawn Bars	74,204	119,574	131,798	122,918	154,154	25
Wire Rods	28,062	13,855	10,788	6,957	9,345	34
Wires	116,070	76,409	85,312	99,820	111,442	12
Value	***8,567***	***8,403***	***9,155***	***10,741***	***16,348***	52
6. Hot Rolled Flat Product	**472,845**	**79,826**	**236,520**	**275,923**	**626,613**	127
Coil	435,360	50,605	216,009	253,549	470,561	86
Plate & Sheet	36,127	28,833	20,403	20,619	153,904	646
Strip	1,357	388	108	1,756	2,148	22
Value	***5,348***	***822***	***3,242***	***3,941***	***13,742***	249

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
7. Cold Rolled Flat Product	**537,192**	**494,486**	**534,571**	**641,576**	**525,762**	-18
Coil	519,432	473,250	428,350	487,786	390,074	-20
Plate & Sheet	10,233	19,377	105,011	151,864	126,878	-16
Strip	7,527	1,859	1,211	1,926	8,810	357
Value	***12,068***	***9,793***	***10,928***	***15,677***	***16,527***	5
8. Coated Products	**132,659**	**122,423**	**136,062**	**150,963**	**141,605**	-6
Chromium Plate	725	288	72	49	36	-27
Electro Galvanized	36,262	27,864	46,470	46,336	44,698	-4
Hot dip Galvanized	34,508	38,714	33,451	52,627	52,153	-1
Tinplate	3,850	14,071	1,540	1,061	5,668	434
Other	57,314	41,485	19,822	10,112	9,799	-3
Zincalume/ Color Coated	-	-	34,707	40,777	29,251	-28
Value	***2,525***	***2,373***	***3,047***	***3,965***	***4,043***	2
9. Pipes & Fittings	**338,493**	**284,012**	**266,659**	**237,540**	**287,193**	21
Fittings	53,166	54,151	56,613	61,034	68,864	13
Seam Pipes	256,680	201,940	180,354	142,401	177,245	24
Seamless Pipes	28,647	27,921	29,691	34,106	41,085	20
Value	***8,640***	***8,732***	***8,498***	***9,308***	***12,852***	38
10. Sheet Piling	**3,729**	**13,328**	**14,139**	**23,749**	**8,050**	-66
Stainless Steel	24	58	0	49	12	-75
Other Alloy Steel	-	0	0	0	-	-
Other	3,705	13,269	14,138	23,701	8,038	-66
Value	***56***	***166***	***171***	***360***	***183***	-49
11. Rails and Accessories	**732**	**1,715**	**1,615**	**1,385**	**1,171**	-15
Value	***27***	***50***	***77***	***48***	***54***	12
Finished Steel Products Total[2/]	**2,099,369**	**1,728,617**	**1,725,980**	**1,899,450**	**2,206,125**	16
Finished Steel Products Value[2/]	***37,231***	***30,339***	***35,118***	***44,041***	***63,748***	45
Total Quantity	**2,249,313**	**1,854,589**	**1,831,218**	**2,121,016**	**2,456,806**	16
Total Value	***39,361***	***31,910***	***36,915***	***47,575***	***68,590***	44

1/ : % Changes as compared with 2003

2/ : Excludes item 1 - 4

P : Preliminary

E : Estimates (Source of Customs Department : Quantity of Tinplate of Indonesia under code 7210120002 is 4,038 tonnes)

Table 16 Lead Export Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Scrap	**788**	**761**	**819**	**687**	**964**	40
Value	***53***	***47***	***44***	***60***	***84***	38
2. Unwrought	**169**	**54**	**1**	**144**	**912**	532
Lead	0	12[E]	0	24	9	-63
Lead alloys	169	42	1	120	903	650
Value	***4***	***1***	***1***	***4***	***29***	734
3. Powders & Flakes	**55**	**0**	**0**	**-**	**0**	-
Value	***0***	***0***	***0***	***-***	***1***	-
4. Bars, Rods, Profiles & Wire	**2**	**3**	**10**	**15**	**10**	-36
Value	***0***	***1***	***1***	***2***	***2***	-29
5. Plates, Sheets, Strip & Foil	**0**	**6**	**0**	**8**	**38**	385
Value	***0***	***0***	***0***	***1***	***5***	422
6. Tubes, Pipes & Fittings	**5**	**9**	**0**	**2**	**2**	-3
Value	***1***	***1***	***0***	***0***	***0***	50
Total Quantity	**1,019**	**834**	**830**	**857**	**1,926**	125
Total Value	***59***	***51***	***46***	***67***	***121***	80

1/ : % Changes as compared with 2003

P : Preliminary

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

Table 17 Nickel Export Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Matte & Sinters	-	-	-	-	-	-
Value	-	-	-	-	-	-
2. Scrap	**228**	**148**	**138**	**906**	**1,137**	26
Value	***8***	***5***	***6***	***82***	***183***	123
3. Unwrought	-	**23**	**0**	**1**	**5**	748
Nickel	-	23	0	1	5	733
Nickel alloys	-	-	-	-	0	-
Value	-	***7***	***0***	***0***	***3***	1,194
4. Powders & Flakes	-	**1**	-	**0**	**25**	43,739
Value	-	***0***	-	***0***	***2***	3,413
5. Bars, Rods & Profiles	-	-	-	**0**	**0**	194
Value	-	-	-	***0***	***0***	23
6. Wire	**0**	**15**	**0**	**2**	**1**	-20
Value	***0***	***5***	***0***	***1***	***0***	-47
7. Plates, Sheets & Strip	**1**	**13**	**6**	**0**	**6**	-
Value	***1***	***4***	***6***	***8***	***13***	68
8. Foil	**1**	-	-	**0**	**1**	166
Value	***0***	-	-	***0***	***0***	5,299
9. Tubes, Pipes & Fittings	**3**	**1**	-	**4**	**3**	-29
Value	***1***	***0***	-	***2***	***1***	-37
Total Quantity	**232**	**200**	**144**	**912**	**1,178**	29
Total Value	***10***	***21***	***13***	***92***	***202***	119

1/ : % Changes as compared with 2003

P : Preliminary

Table 18 Tin Export Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Scrap	**51**	**168**	**76**	**144**	**207**	44
Value	***1***	***2***	***1***	***2***	***4***	60
2. Unwrought	**13,036**	**18,945**	**12,758**	**9,837**	**13,571**	38
Tin	12,833	18,714	12,661	9,762	13,514	38
Tin alloys	203	231	97	75	57	-24
Value	***2,802***	***3,649***	***2,241***	***1,989***	***4,681***	135
3. Powders & Flakes	**-**	**-**	**-**	**0**	**30**	25,306
Value	***-***	***-***	***-***	***0***	***11***	12,156
4. Bars, Rods, & Profiles	**2**	**40**	**263**	**628**	**839**	34
Value	***0***	***9***	***70***	***176***	***307***	74
5. Wire	**-**	**8**	**0**	**2**	**1**	-40
Value	***-***	***0***	***0***	***1***	***0***	-78
6. Plates, Sheets & Strip (t>0.2mm)	**73**	**40**	**0**	**-**	**2**	-
Value	***8***	***4***	***0***	***-***	***0***	-
7. Foil	**-**	**0**	**-**	**-**	**1**	-
Value	***-***	***0***	***-***	***-***	***1***	-
8. Tubes, Pipes & Fittings	**-**	**1**	**0**	**-**	**1**	-
Value	***-***	***0***	***0***	***-***	***1***	-
9. Other	**567**	**553**	**420**	**431**	**444**	3
Value	***240***	***240***	***222***	***230***	***246***	7
Total Quantity	**13,730**	**19,755**	**13,516**	**11,042**	**15,097**	37
Total Value	***3,051***	***3,904***	***2,536***	***2,398***	***5,250***	119

1/ : % Changes as compared with 2003

P : Preliminary

Table 19 Zinc Export Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Scrap	**448**	**510**	**1,077**	**1,736**	**2,088**	20
Value	***7***	***8***	***26***	***40***	***53***	34
2. Unwrought	**26,062**	**66,191**	**20,334**	**24,044**	**17,139**	-29
Zinc	18,758	60,369	9,170	7,902	2,819	-64
Zinc alloys	7,305	5,823	11,163	16,142	14,321	-11
Value	***1,230***	***1,124***	***756***	***897***	***767***	-14
3. Dust, Powders & Flakes	**163**	**96**	**748**	**1,172**	**1,422**	21
Value	***3***	***3***	***14***	***16***	***21***	26
4. Bars, Rods, & Profiles	**-**	**17**	**157**	**17**	**23**	35
Value	***-***	***1***	***5***	***1***	***1***	98
5. Wire	**77**	**29**	**21**	**129**	**53**	-59
Value	***1***	***1***	***0***	***3***	***3***	9
6. Plates, Sheets & Strip	**6,829**	**3,973**	**6,516**	**11,277**	**8,649**	-23
Value	***140***	***95***	***134***	***274***	***215***	-21
7. Foil	**-**	**0**	**-**	**0**	**1**	-
Value	***-***	***0***	***-***	***0***	***0***	-
8. Tubes, Pipes & Fittings	**331**	**601**	**422**	**451**	**565**	25
Value	***57***	***74***	***49***	***55***	***74***	35
Total Quantity	**33,910**	**71,401**	**29,118**	**38,809**	**29,940**	-23
Total Value	***1,438***	***1,305***	***980***	***1,284***	***1,133***	-12

1/ : % Changes as compared with 2003

P : Preliminary

Table 20 Precious Metals Export Statistics 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Silver	**77,817**	**2,427**	**1,973**	**2,227**	**1,745**	-22
Metal product	600	2,418	1,909	201	209	4
Jewellery	77,217	9	64	2,027	1,536	-24
Value	***10,289***	***12,287***	***13,904***	***17,502***	***20,432***	*17*
2. Gold	**2,716**	**259**	**128**	**173**	**101**	-42
Metal product	7	5	42[E]	49	23	-53
Jewellery	2,709	254	86	124	78	-37
Value	***23,191***	***31,143***	***38,771***	***46,161***	***37,909***	*-18*
3. Platinum - Group[2/]	**26**	**15**	**6**	**17**	**9**	-47
Metal product	3	0	0	0	1	356
Jewellery	23	14	6	17	8	-53
Others[3/]	0	0	-	0	1	78
Value	***692***	***1,566***	***542***	***664***	***657***	*-1*
Total Quantity	**80,559**	**2,701**	**2,107**	**2,417**	**1,855**	-23
Total Value	***34,172***	***44,996***	***53,218***	***64,327***	***58,998***	*-8*

1/ : % Changes as compared with 2003

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 2000 - 2004

Unit : Metric Tonnes
Value* : *Million Baht

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
1. Antimony	**193**	**130**	**123**	**370**	**-**	**-**
Value	***13***	***6***	***12***	***34***	***-***	-
2. Beryllium	**0**	**-**	**-**	**-**	**0**	**-**
Value	***0***	***-***	***-***	***-***	***0***	-
3. Bismuth	**-**	**-**	**-**	**-**	**0**	**-**
Value	***-***	***-***	***-***	***-***	***1***	-
4. Cadmium	**19**	**-**	**2**	**1**	**-**	**-**
Value	***0***	***-***	***0***	***0***	***-***	-
5. Chromium	**0**	**-**	**-**	**0**	**0**	321
Value	***0***	***-***	***-***	***0***	***0***	-75
6. Cobalt	**46**	**0**	**0**	**0**	**-**	**-**
Value	***3***	***0***	***1***	***0***	***-***	-
7. Germanium	**-**	**-**	**-**	**-**	**0**	-
Value	***-***	***-***	***-***	***-***	***0***	-
8. Magnesium	**0**	**35**	**3**	**30**	**11**	-64
Unwrought	-	-	-	30	11	-64
Scrap	-	20	-	-	0	-
Other	-	15	3	0	-	-
Value	***-***	***3***	***0***	***2***	***1***	-60
9. Manganese	**1**	-	-	-	**2,900**	-
Value	***0***	***-***	***-***	***-***	***8***	-
10. Molybdenum	**0**	**0**	**0**	**0**	**1**	1,330
Powders	-	-	0	-	-	-
Wire	0	-	-	-	-	-
Other	-	0	-	0	1	1330
Value	***1***	***0***	***0***	***1***	***2***	228
11. Tantalum	**156**	**81**	**265**	**108**	**226**	109
Value	***2,185***	***1,550***	***1,976***	***1,288***	***2,233***	73
12. Titanium	**4**	**3**	**8**	**4**	**2**	-49
Value	***29***	***9***	***24***	***16***	***10***	-37
13. Tungsten	**5**	**6**	**16**	**21**	**30**	40
Powders	2	1	11	6	3	-47
Wire	0	0	0	0	1	621
Other	3	4	4	16	26	66
Value	***2***	***4***	***13***	***26***	***61***	139

ITEM	2000	2001	2002	2003	2004[P]	%Δ[1/]
14. Vanadium	-	-	-	-	-	-
Value	-	-	-	-	-	-
15. Zirconium	3	1	-	-	-	-
Value	*0*	*0*	-	-	-	-
16. Other	0	-	3	-	0	-
Value	*0*	-	*2*	-	*0*	-
Total Quantity	**427**	**255**	**420**	**535**	**3,170**	493
Total Value	***2,232***	***1,573***	***2,028***	***1,366***	***2,316***	69

1/ : % Changes as compared with 2003

P : Preliminary

DOMESTIC PRICE

Table 22 Metals Domestic Price Statistics 2004

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1. Aluminium	73	78	77	77	75	75	78	80	80	85	85	80	**79**
2. Antimony	108	120	130	125	125	125	120	140	145	140	140	130	**129**
3. Brass	65	85	83	80	70	80	80	85	85	95	93	83	**82**
4. Copper	120	125	140	120	98	110	130	140	150	140	145	150	**131**
5. Gold[1/]	494	483	488	489	477	485	494	506	512	535	547	539	**504**
6. Lead	35	40	38	38	40	43	45	44	46	47	47	45	**42**
7. Nickel	600	600	600	550	500	600	650	650	600	650	640	600	**603**
8. Tin	281	285	330	392	420	430	398	410	420	400	400	370	**378**
9. Zinc	48	52	57	58	54	55	52	53	55	55	56	55	**54**

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 2004

Unit : Baht/Kg.

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1. Scrap[1/]	7.86	8.93	9.39	9.37	8.69	8.16	7.82	8.95	9.35	10.05	10.11	10.00	**9.06**
2. Round Bars SR.24 ∅ 6 mm.	19.85	21.23	22.05	21.95	20.68	19.12	20.48	22.28	22.28	22.75	22.18	21.41	**21.36**
3. Round Bars SR.24 ∅ 12 mm.	18.27	19.96	20.64	20.52	19.47	17.66	18.90	20.70	21.36	21.31	20.73	19.73	**19.94**
4. Deformed Bars SD.30 ∅ 12	18.36	19.71	20.54	20.45	19.09	18.00	18.87	20.64	21.24	21.24	20.65	19.69	**19.87**
5. Deformed Bars SD.40 ∅ 12	18.53	19.98	20.74	20.85	19.33	17.67	19.09	21.00	21.52	21.50	20.85	19.88	**20.08**
6. Angle (Size 40x40x3 mm.)	18.79	21.72	21.72	23.24	23.07	21.00	21.26	22.74	23.54	23.66	23.40	22.85	**22.25**
7. Channel (Size 75x40 mm	18.43	20.84	20.84	20.83	21.39	21.14	21.03	22.61	23.09	23.09	23.09	21.57	**21.50**
8. Wires (No. 18)	23.33	28.20	28.50	29.50	28.75	28.46	28.67	29.54	31.67	31.33	29.67	29.33	**28.91**
9. P.C. WIRE	33.83	35.33	37.00	38.33	38.33	38.67	38.67	38.67	38.67	38.67	38.00	38.00	**37.68**
10. P.C. STRAND	34.83	36.33	38.00	39.33	39.83	39.67	39.67	39.67	39.67	39.67	38.83	38.50	**38.67**
11. HR coil	18.20	21.70	22.66	22.60	22.55	21.97	22.50	24.15	24.95	26.01	24.57	24.47	**23.03**

Source: 1/ Entrepreneur

: Bureau of Trade and Economic Indicies

APPENDIX I

METALS WORLD PRICE STATISTICS

Table I-1 Aluminium World Price Statistics 1991-2004

Unit : US$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	1,516	1,505	1,497	1,392	1,297	1,276	1,297	1,257	1,212	1,150	1,135	1,098	**1,303**
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**

Source : London Metal Exchange (LME)

Table I-2 Antimony World Price Statistics 1991-2004

Unit : US$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	-	-	-	-	-	-	-	-	-	-	-	-	**-**
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**

Source : MB Free Market

Table I-3 Cadmium (99.99%) World Price Statistics 1991-2004

Unit : US$/Pound

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	-	-	-	-	-	-	-	-	-	-	-	-	**-**
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**

Source : MB Free Market

Table I-4 Copper World Price Statistics 1991-2004

Unit : US$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	2,451	2,451	2,416	2,474	2,308	2,221	2,235	2,235	2,323	2,364	2,379	2,218	**2,340**
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**

Source : London Metal Exchange (LME)

Table I-5 Gold World Price Statistics 1991-2004

Unit : US$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	385	364	363	358	357	366	368	357	348	359	360	362	**362**
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**

Source : London Metal Exchange (LME)

: *World Gold Council

Table I-6 Lead World Price Statistics 1991-2004

Unit : US$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	601	593	605	601	556	550	548	541	540	522	506	531	**558**
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**

Source : London Metal Exchange (LME)

Table I-7 Nickel World Price Statistics 1991-2004

Unit : US$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	8,578	8,674	8,705	9,026	8,457	8,283	8,548	8,148	7,684	7,446	7,247	7,121	**8,160**
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**

Source : London Metal Exchange (LME)

Table I-8 Platinum World Price Statistics 1991-2004

Unit : US$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	409	386	400	398	390	376	376	347	349	363	365	355	**376**
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**

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-9 Palladium World Price Statistics 1991-2004

Unit : US$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	87	84	86	97	96	97	95	83	82	85	85	83	**88**
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**

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-10 Silver World Price Statistics 1991-2004

Unit : US$/Troy Oz.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	4.05	3.74	3.95	3.98	4.05	4.39	4.35	3.96	4.04	4.12	4.07	3.95	**4.05**
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**

Source : London Metal Exchange (LME)

: *Kitco Inc.

Table I-11 Steel World Price Statistics 2004

Unit : US$/Metric Ton

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
US Steel Import													
Rebar													
Min	370	450	505	500	500	500	495	505	480	na	na	460	**477**
Max	390	470	525	520	520	520	508	520	507	480	480	480	**493**
Merchant bars													
Min	400	447	na	na	na	580	582	590	590	590	590	590	**551**
Max	420	467	na	na	na	600	602	610	610	610	610	610	**571**
Wire rod													
Min	370	465	540	520	520	520	514	530	530	510	510	507	**503**
Max	400	490	562	540	540	540	534	550	550	520	520	517	**522**
CR coil													
Min	na	598	633	647	660	660	662	710	720	na	700	na	**666**
Max	na	623	675	673	680	680	674	725	740	720	713	720	**693**
HR coil													
Min	360	500	573	550	550	600	612	690	680	680	635	627	**588**
Max	420	525	603	580	580	605	617	705	690	760	655	647	**616**
Galvanized coil													
Min	na	635	730	740	740	763	770	na	na	na	na	790	**738**
Max	na	663	750	750	750	773	816	840	840	841	842	843	**792**
China													
Slab													
Min	354	439	448	440	na	na	na	na	na	na	540	540	**460**
Max	361	453	458	450	na	na	na	na	na	na	555	550	**471**
Billet													
Min	358	431	453	450	na	na	na	na	na	400	385	367	**406**
Max	370	453	461	455	na	na	na	na	na	420	405	377	**420**
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**
CR coil													
Min	476	573	568	573	560	548	514	540	638	666	670	670	**583**
Max	500	590	583	590	580	583	534	550	660	696	700	700	**606**
HR coil													
Min	400	455	453	463	438	430	422	440	na	600	600	600	**482**
Max	419	465	463	497	458	450	434	460	na	630	630	630	**503**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Latin America													
Wire rods													
Min	315	415	440	480	473	450	na	na	480	473	445	430	**440**
Max	336	424	458	500	490	460	466	470	493	483	448	440	**456**
HR coil													
Min	295	398	478	533	na	510	528	540	560	560	568	570	**504**
Max	310	433	520	560	525	530	556	570	590	590	598	600	**532**
CR coil													
Min	405	500	578	617	610	610	628	640	660	660	663	650	**602**
Max	425	530	615	653	628	630	640	658	678	681	708	700	**629**
Galvanized coil													
Min	456	553	670	700	700	710	726	740	750	750	750	737	**687**
Max	475	590	700	730	728	730	756	770	780	780	788	790	**718**
CIS*													
Slab													
Min	348	388	435	445	445	445	448	460	480	488	500	483	**447**
Max	370	411	465	470	470	470	470	480	500	508	530	533	**473**
Billet													
Min	339	385	392	380	326	290	340	380	380	370	351	330	**355**
Max	355	406	414	390	338	304	358	395	390	380	361	340	**369**
Rebars													
Min	351	408	428	460	430	396	395	420	430	428	413	400	**413**
Max	365	425	455	470	440	406	405	435	450	443	423	413	**428**
Wire rods													
Min	353	409	438	460	433	396	410	420	430	435	450	447	**423**
Max	364	426	455	470	443	406	420	435	450	455	463	457	**437**
CR coil													
Min	466	524	560	560	550	520	520	520	570	590	590	570	**545**
Max	490	548	596	580	573	550	550	550	600	643	673	690	**587**
HR coil													
Min	368	445	480	460	435	430	438	450	520	548	500	480	**463**
Max	400	485	560	520	505	500	500	500	550	610	588	600	**527**
Brussel													
Merchant bars													
Min	310	326	404	427	458	468	480	480	510	528	548	510	**429**
Max	320	336	422	448	478	488	500	500	530	550	568	530	**447**
Wire rod													
Min	310	336	403	420	430	438	450	450	480	530	578	555	**448**
Max	320	351	421	438	460	460	470	470	500	548	598	573	**467**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
CR coil													
Min	393	410	512	553	580	580	580	580	640	679	715	703	**577**
Max	403	425	524	567	599	600	600	600	660	695	735	717	**594**
ECSC**													
Merchant bars													
Min	370	443	470	na	na	na	na	na	na	na	na	na	**428**
Max	388	455	480	525	na	na	na	na	na	na	na	na	**462**
Wire rod													
Min	310	445	522	515	460	440	440	440	500	545	530	497	**470**
Max	335	483	537	530	480	450	450	450	530	575	560	527	**492**
HR coil													
Min	340	419	480	480	540	560	560	560	580	580	580	580	**522**
Max	354	439	510	510	563	580	580	580	600	604	605	605	**544**
CR coil													
Min	413	476	560	557	628	650	650	650	670	678	680	680	**608**
Max	431	503	590	582	650	670	670	670	690	695	700	700	**629**
Galvanized coil													
Min	428	530	650	650	684	695	695	695	695	699	705	700	**636**
Max	453	573	670	670	708	720	720	720	720	728	733	730	**662**

Source : Metal Bulletin

* : Commonweath of Independent States

** : European Coal and Steel Community

Table I-12 Tin World Price Statistics 1991-2004

Unit : US$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	5,623	5,589	5,517	5,560	5,702	5,711	5,670	5,639	5,570	5,550	5,506	5,510	**5,596**
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**

Source : London Metal Exchange (LME)

Table I-13 Zinc World Price Statistics 1991-2004

Unit : US$/Metric Ton

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
1991	1,207	1,187	1,199	1,256	1,091	1,062	1,064	1,047	1,024	992	1,094	1,189	**1,118**
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**

Source : London Metal Exchange (LME)