

# Contents to The 2003 Edition

## Preface

<b>Main Topics In Coal Industries &amp; Consumers Activities In 2002.....</b>	<b>1</b>
Canadaina metallurgical coal suppliers unified to one player.	
Anglo Coal and Mitsui expand metallurgical coal operations in Australia.	
Xstrata will acquire MIM Holdings.	
Japanese steel industry is bipolarized into Nippon Steel Group and JFE.	
Concealments of troubles at nuclear power stations by TEPCO and others were revealed.	
A new tax will be levied on thermal coal since October 2003.	
Environmental tax as well be introduced since the fiscal year 2005.	
<b>Results Of Metallurgical Coal Price Negotiations With Japan In FY2002/2003 .....</b>	<b>3</b>
[Negotiations in the fiscal year 2002]	
[Negotiations in the fiscal year 2003]	
<b>Results Of Thermal Coal Negotiations With Japan In FY2002/2003 .....</b>	<b>6</b>
[Negotiations in the fiscal year 2002]	
[Negotiations in the fiscal year 2003]	
<b>Main Topics In Steel Industry (Since January 2001) .....</b>	<b>9</b>
<b>Main Activities Of Coal Consumers, Traders And So On (Since January 2001) .....</b>	<b>13</b>

## Japan

<b>Trade Statistics .....</b>	<b>19</b>
Classification of Coal by TEX Report and MOF .....	19
Average Monthly Exchange Rate of Yen to US Dollar .....	19
Coal Imports by Source in CY 2002 .....	20
Coal Imports by Coal Types and Source in CY 2002 .....	21
Coal Imports by Coal Types and Source in JFY 2000 .....	22
Coal Imports by Coal Types and Source in JFY 2001 .....	23
Coal Imports by Coal Types and Source in JFY 2002 .....	24
Yearly and Monthly Coal Imports (CY 1991-2002) .....	25
Yearly and Monthly Average Yen Price of Coal (CY 1991-2002) .....	29
Yearly and Monthly Average US\$ Price of Coal (CY 1991-2002) .....	33
Yearly and Monthly Coking Coal Imports (CY 1991-2002) .....	37
Yearly and Monthly Average Yen Price of Coking Coal (CY 1991-2002) .....	41
Yearly and Monthly Average US\$ Price of Coking Coal (CY 1991-2002) .....	45
Yearly and Monthly Thermal Coal Imports (CY 1991-2002) .....	49
Yearly and Monthly Average Yen Price of Thermal Coal (CY 1991-2002) .....	52
Yearly and Monthly Average US\$ Price of Thermal Coal (CY 1991-2002) .....	55
Yearly and Monthly Coal Coke Imports (CY 1991-2002) .....	58
Yearly and Monthly Average Yen Price of Coal Coke (CY 1991-2002) .....	59
Yearly and Monthly Average US\$ Price of Coal Coke (CY 1991-2002) .....	60
Yearly and Monthly Green Pet. Coke Imports (CY 1991-2002) .....	61
Yearly and Monthly Average Yen Price of Green Pet. Coke (CY 1991-2002) .....	62
Yearly and Monthly Average US\$ Price of Green Pet. Coke (CY 1991-2002) .....	63
Yearly and Monthly Calcined Pet. Coke Imports (CY 1991-2002) .....	64
Yearly and Monthly Average Yen Price of Calcined Pet. Coke (CY 1991-2002) .....	65
Yearly and Monthly Average US\$ Price of Calcined Pet. Coke (CY 1991-2002) .....	66
Coal Imports by Coal Types and Source during CY 1991-2001 .....	67
Imports of Coal Coke and Pet. Coke by Source during CY 1991-2002 .....	78
Exports of Coal Coke, Pet. Coke, Pitch, and Pitch Coke by Source during CY 1991-2002 .....	84
<b>Iron and Steel Industry .....</b>	<b>96</b>
Monthly Production of Pig Iron, Crude Steel and Steel Products during Jan 2000-Mar 2003 .....	96
Yearly Production of Pig Iron, Crude Steel and Steel Products during 1970-2001 .....	97
Monthly Crude Steel Production, Steel Imports & Exports during CY 2000-2002 .....	98

Yearly Steel Production, Steel Imports & Exports during JFY 1946-2001 .....	99
Production of Pig Iron and Crude Steel by Steelmills during CY 1992-2002 .....	100
Yearly Coal Imports by Source during JFY 1986-2001 .....	101
Yearly Pig Iron and Crude Steel Production Capacity of Furnace .....	101
Production of Pig Iron and Crude Steel by Blast Furnace Steelmills during CY 1992-2002 .....	102
Monthly Production of Pig Iron by Blast Furnace Steelmills in CY 2001 .....	103
Monthly Production of Crude Steel by Blast Furnace Steelmills in CY 2001 .....	104
Monthly Production of Pig Iron by Blast Furnace Steelmills in JFY 2001 .....	105
Monthly Production of Crude Steel by Blast Furnace Steelmills in JFY 2001 .....	106
Monthly Production of Pig Iron by Blast Furnace Steelmills in CY 2002 .....	107
Monthly Production of Crude Steel by Blast Furnace Steelmills in CY 2002 .....	108
Monthly Production of Pig Iron by Blast Furnace Steelmills in JFY 2002 .....	109
Monthly Production of Crude Steel by Blast Furnace Steelmills in JFY 2002 .....	110
Quarterly Pig Iron Output by Japanese Blast Furnace Steelmills in CY 2001 .....	111
Quarterly Pig Iron Output by Japanese Blast Furnace Steelmills in JFY 2001 .....	112
Quarterly Pig Iron Output by Japanese Blast Furnace Steelmills in CY 2002 .....	113
Quarterly Pig Iron Coefficient by Japanese Blast Furnace Steelmills in CY 2001 .....	114
Quarterly Pig Iron Coefficient by Japanese Blast Furnace Steelmills in JFY 2001 .....	115
Quarterly Pig Iron Coefficient by Japanese Blast Furnace Steelmills in CY 2002 .....	116
Coke and PCI Coal Consumption by Steelmills in CY 2000 .....	117
Coke and PCI Coal Consumption by Steelmills in CY 2001 .....	117
Steelmills' Blast Furnace Operating Result in Jan 2003 .....	118
Steelmills' Blast Furnace Operating Result in Feb 2003 .....	119
Steelmills' Blast Furnace Operating Result in Mar 2003 .....	120
Steelmills' Blast Furnace Operating Result in Jan-Mar 2003 .....	121
Yearly Coking Coal Imports by Japanese Steelmills during 1997-2002 .....	122
Yearly Coking Coal Consumption by Japanese Steelmills during 1997-2002 .....	122
Monthly Coking Coal Imports by Japanese Steelmills during CY 1998-2002 .....	123
Monthly Semi-Soft Coking Coal Imports by Japanese Steelmills during CY 1998-2002 .....	124
Monthly Coking Coal Consumption by Japanese Steelmills during CY 2000-2002 .....	125
<b>Electric Power Utilities .....</b>	<b>126</b>
Coal Consumption by Japanese Power Utilities in CY 2000 .....	126
Coal Consumption by Japanese Power Utilities in JFY 2000 .....	127
Coal Consumption by Japanese Power Utilities in CY 2001 .....	128
Coal Consumption by Japanese Power Utilities in JFY 2001 .....	129
Coal Consumption by Japanese Power Utilities in Jan-Jun 2002 .....	130
Coal Consumption by Japanese Power Utilities in Apr-Sep 2002 .....	131
Coal Consumption by Japanese Power Utilities in CY 2002 .....	132
Coal Consumption by Japanese Power Utilities in JFY 2002 .....	133
Monthly Coal Receipts by Power Utilities in CY 2000 .....	134
Monthly Coal Consumption by Power Utilities in CY 2000 .....	135
Monthly Coal Stocks by Power Utilities in CY 2000 .....	136
Monthly Coal Receipts by Power Utilities in JFY 2000 .....	137
Monthly Coal Consumption by Power Utilities in JFY 2000 .....	138
Monthly Coal Stocks by Power Utilities in JFY 2000 .....	139
Monthly Coal Receipts by Power Utilities in CY 2001 .....	140
Monthly Coal Consumption by Power Utilities in CY 2001 .....	141
Monthly Coal Stocks by Power Utilities in CY 2001 .....	142
Monthly Coal Receipts by Power Utilities in JFY 2001 .....	143
Monthly Coal Consumption by Power Utilities in JFY 2001 .....	144
Monthly Coal Stocks by Power Utilities in JFY 2001 .....	145
Monthly Coal Receipts by Power Utilities in CY 2002 .....	146
Monthly Coal Consumption by Power Utilities in CY 2002 .....	147
Monthly Coal Stocks by Power Utilities in CY 2002 .....	148
Yearly Coal Consumption by Power Utilities during JFY 1986-2001 .....	149
Yearly Coal Imports by Source during JFY 1984-2001 .....	149
Yearly Receipts of Domestic Coal & Imported Coal by Power Utilities during JFY 1986-2001 .....	150
Construction Plans of Coal Burning Thermal Power Plants ( as of Apr. 2003) .....	152

## Major Coal Export Countries

<b>Australia</b> .....	<b>153</b>
Trends & Prospects Of Australian Coal Industry .....	153
Main Topics In Australian Coal Industry (Since January 2001) .....	156
Australian Export Coal Industry .....	162
Major Producers and Mines of Export Coal .....	162
Typical Specifications of Major Coal Brands .....	165
Hard Coking Coal .....	165
Weak/Semi Soft Coking Coal .....	167
Thermal Coal .....	169
Outlook on the Major Australian Coal Producers and Mines .....	171
Coal Development Projects by States .....	187
Major Australian Coal Producers .....	188
Coal Production and Sales by Producers in CY 2002 .....	189
Australian Coal Export Ports .....	196
New South Wales (NSW) .....	196
Queensland (Qld) .....	197
<b>Australian Coal Statistics</b> .....	<b>199</b>
[ Coal Production Statistics ] .....	199
The 20 Largest Coal Mines in Australia CY 2001 .....	199
Coal Production from Opencut Mines in CY 2001 .....	200
Coal Production from Underground Mines in CY 2001 .....	201
Raw Coal Production by States during 1970-2001 .....	202
Salable Coal Production by States during 1970-2001 .....	203
Coal Production per Employee by Mining Method during 1990-2001 .....	204
Coal Production by States during 1990-2001 .....	204
Coal Production per Employee by States in CY 2000 and CY 2001 .....	205
Coal Demand and Supply during 1980-2001 .....	206
Coal Industry Stock by States .....	206
Coal Consumption by Major Consumers .....	207
Coal Consumption by States .....	207
Employment at Australian Coal Mine by States .....	208
Australian Coal Export Ports .....	208
[ Coal Exports Statistics ] .....	209
Monthly Export Coal Stocks by States (Jan. 1999-Dec. 2002) .....	209
Average FOB Price of Coal Export by Coal Types .....	210
Coal Exports by Destinations in CY 2002 .....	211
Coal Exports by Coal Types in CY 2002 .....	212
Coal Exports by Destinations during CY 1996-2002 .....	213
Coking Coal Exports by Destinations during CY 1996-2002 .....	214
Thermal Coal Exports by Destinations during CY 1996-2002 .....	214
Coal Exports by Regions during CY 1990-2001 .....	215
Coal Exports by Ports during CY 1970-2001 .....	216
Coal Exports by States during CY 1990-2001 .....	217
Coal Exports by Destinations in CY 2001 .....	218
Coking Coal Exports by Destinations in CY 2001 .....	219
Thermal Coal Exports by Destinations in CY 2001 .....	220
<b>New South Wales (NSW)</b> .....	<b>221</b>
Outlook on the Major NSW Coal Mines .....	221
[ NSW Coal Production Statistics ] .....	230
Coal Demand and Supply during 1992-2001 .....	230
Raw Coal Production by Lonwall Mines in FY 2001/02 .....	230
Raw Coal Production by Non-Lonwall Mines in FY 2001/02 .....	231
Raw Coal Production by Opencut Mines in FY 2001/02 .....	231
Salable Coal Production by Longwall Mines in FY 2001/02 .....	232
Salable Coal Production by Non-Longwall Mines in FY 2001/02 .....	232
Coal Production by Opencut Mines in FY 2001/02 .....	233
Coal Production by Mining Method in FY 2001/02 .....	233
[ NSW Coal Exports Statistics ] .....	235
Coal Exports by Destinations in CY 2002 .....	235
Coal Exports by Coal Types in CY 2002 .....	236

Coal Exports by Destinations in FY 2001/02 .....	237
Coal Exports by Ports in CY 2002 .....	238
Coal Exports by Ports in FY 2001/02 .....	239
Monthly Average FOB Prices by Coal Types (Jan 2000-Dec 2002) .....	240
Japan/NSW Coal Contract Prices during JFY 1990-2002 .....	240
Monthly Average FOB Prices by Destinations in CY 2001 and CY 2002 .....	241
Monthly Average FOB Prices by Destinations in FY 2000/01 and FY 2001/02 .....	242
<b>Queensland (Qld) .....</b>	<b>243</b>
Outlook on the Major Qld Coal Mines .....	243
[ Qld Coal Production Statistics ] .....	250
Coal Production by Mines in FY 2000/01 .....	250
Salable Coal Production by Mines During FY 1996/97-2000/01 .....	251
[ Qld Coal Exports Statistics ] .....	252
Coal Exports by Destinations during FY 1992/93-2001/02 .....	252
Coal Exports by Ports during FY 1992/93-2001/02 .....	252
Coal Exports by Destinations in CY 2002 .....	253
Coal Exports by Coal Types in CY 2002 .....	254
Coal Exports by Region in CY 2002 .....	255
Coal Exports by Region in CY 2002 and FY 2001/02 .....	255
Coal Exports by Destinations in FY 2001/02 .....	256
Coal Exports by Coal Types in FY 2001/02 .....	257
Coal Exports for Japan by Collieries in FY 2001/02 .....	258
Coal Exports by Collieries during FY 1997/98- 2001/02 .....	260
Coal Exports by Collieries in FY 2001/02 .....	261
Coal Total .....	261
Coking Coal .....	263
Thermal Coal .....	265
<b>China .....</b>	<b>267</b>
Trends & Prospects of Chinese Coal Industry .....	267
Main Topics In Chinese Coal Industry Since January 2001 .....	270
Japan-China Long-Term (LT) Trade Agreements .....	275
The Forth (1996-2000) LT Trade Agreements .....	275
The Fifth (2001-2005) LT Trade Agreements .....	275
Contract Price of Chinese Coking Coal in JFY 2002 .....	276
Contract Price of Chinese Thermal Coal in JFY 2002 .....	276
Chinese Export Coal Industry .....	277
Outlook on the Major Coal Producers .....	277
Chinese Coal Export Ports .....	280
[ Chinese Coal Statistics ] .....	283
Coal Export by Companies in CY 2002 .....	283
Coal Export by Destinations in CY 2002 .....	283
Coal Export by Ports in CY 2002 .....	283
Coal Export by Companies During CY 1999- 2001 .....	283
CNCIEC's Coal Exports by Mines during CY 1999- 2001 .....	284
CNCIEC's Coal Exports by Ports in CY 1999 and CY 2000 .....	284
CNCIEC's Business Performance in CY 1999 and CY 2000] .....	284
Coal Sales by Yanzhou Coal Mining during CY 1999- 2001 .....	285
Coal Sales by Yanzhou Coal Mining in CY 2002 .....	285
Coal Sales Price of Yanzhou Coal Mining in CY 2001- 2002 .....	286
Business Performance of Yanzhou Coal Mining during CY 1998- 2002 .....	286
[ Coal Statistics of Shanxi Province ] .....	287
Coal Exports by Destinations in CY 2001 .....	287
Distribution of Shanxi Coal in CY 2001 .....	287
Output of Raw Coal of Shanxi Province in Jan-Nov 2002 .....	288
Distance of Shanxi via Sea Transfer .....	288
Coal Production by Province in CY 2000 .....	289
[ Trade Statistics ] .....	292
Coal Exports by Destinations in CY 2002 .....	292
Coal Imports by Source in CY 2002 .....	293
Coal Exports by Destinations during CY 1999- 2002 .....	293
Coking Coal Exports by Destinations during CY 1999- 2002 .....	294
Thermal Coal Exports by Destinations during CY 1999- 2002 .....	294

Anthracite Exports by Destinations during CY 1999- 2002 .....	295
Other Coal Exports by Destinations during CY 1999- 2002 .....	295
Coal Imports by Coal Types during CY 2000- 2002 .....	296
Coal Coke Exports by Destinations during CY 2000- 2002 .....	297
Green Pet. Coke Exports by Destinations during CY 2000- 2002 .....	298
Calcined Pet. Coke Exports by Destinations during CY 2000- 2002 .....	298
Green Pet. Coke Imports by Source during CY 2000- 2002 .....	299
Calcined Pet. Coke Imports by Source during CY 2000- 2002 .....	299
Coal Output of 10 Largest Coal Producers in CY 2000 and CY 1990 .....	299
<b>Indonesia.....</b>	<b>300</b>
Trends and Prospects In Indonesian Coal Industry.....	300
Main Topics In Indonesian Coal Industry Since January 2001 .....	301
Indonesian Export Coal Industry.....	304
Outlook on The Indonesian Coal Producers.....	304
Indonesian Coal Export Ports .....	309
[ Coal Production and Sales Statistics ] .....	312
Coal Production and Sales by Companies in CY 2002.....	312
Coal Production by Companies during CY 1999- 2002 .....	313
Coal Exports by Companies during CY 1999- 2002.....	314
[ Trade Statistics ] .....	315
Coal Exports by Destinations during CY 1999- 2002 .....	315
<b>Canada.....</b>	<b>316</b>
Trend & Prospects Of Canadian Coal Industry.....	316
Main Topics In Canadian Coal Industry (Since January 2001) .....	318
Canadian Export Coal Industry.....	321
Outlook on the Major Coal Producers .....	321
Outlook on the Major Coal Mines .....	322
Canadian Coal Export Ports .....	324
Coal Production and Sales Statistics by Major Producers .....	325
[ Coal Supply and Demand Statistics ].....	328
Coal Supply and Demand during CY 1998- 2002 .....	328
Coal Production by Province during CY 2000- 2002 .....	328
Coal Production by Mines During CY 1998- 2001 .....	329
Domestic Coal Consumption by Province in CY 2001 .....	329
Coal Exports by Destinations in CY 2001 .....	330
Coal Exports by Province in CY 2001 .....	330
Coal Exports by Ports during CY 1998- 2001 .....	330
[ Trade Statistics ] .....	331
Coal Exports by Destinations during CY 2000- 2002 .....	331
Bituminous Coal Exports by Destinations in CY 2002.....	332
<b>U.S.A. ....</b>	<b>333</b>
[ Trade Statistics ] .....	333
Monthly Coal Exports and Imports in CY 2002 .....	333
Coal Exports by Destinations in CY 2002.....	334
Coking Coal Exports by Destinations in CY 2002 .....	335
Thermal Coal Exports by Destinations in CY 2002 .....	336
Anthracite Exports by Destinations in CY 2002 .....	337
Other Coal Exports by Destinations in CY 2002 .....	337
Coal Imports by Coal Types and Source in CY 2002.....	338
Green Pet. Coke Exports by Destinations in CY 2002 .....	339
Calcined Pet. Coke Exports by Destinations in CY 2002 .....	340
Coal Coke Exports by Destinations in CY 2002 .....	341
Coal Coke Imports by Source in CY 2002 .....	342
[ EIA Coal Statistics ] .....	343
Coal Production by States in CY 2002.....	343
Coal Production by States during CY 1997-2000 .....	344
Coal Production by Major Mines in CY 2001 .....	345
Coal Production by Major Companies in CY 2001 .....	346
<b>Russia.....</b>	<b>347</b>
Trends and Prospects of Russian Coal Industry.....	347
Main Topics In Russian Coal Industry Since January 2001 .....	349

Outlook on The Russian Major Coal Producers .....	351
Outlook on Major Export Coal Mines .....	352
Coal Export Ports .....	354
Krutrade-Rozco Group's Coal Statistics .....	355
Coal Export by Regions in CY 2001 .....	355
Coal Export by Consumers in CY 2001 .....	355
Coal Production and Export by Kuzbassrazrezugol and Sokolovskaya in CY 2001 .....	355
[ Trade Statistics ] .....	355
Coal Imports by Source during CY 1999-2002 .....	355
Coal Exports by Destinations during CY 1999- 2002 .....	356
<b>South Africa .....</b>	<b>357</b>
South African Export Coal Industry .....	357
Outlook on the Major Coal Producers .....	357
Outlook on the Major Coal Mines .....	358
Coal Export Port .....	360
[ Trade Statistics ] .....	360
Coal Imports by Source during CY 2000-2002 .....	360
Coal Exports by Destinations during CY 2000-2002 .....	361
Bituminous Coal Exports by destinations during CY 2000-2002 .....	362
Anthracite Exports by Destinations during CY 2000-2002 .....	363
Other Coal Exports by Destinations during CY 2000-2002 .....	363
<b>New Zealand .....</b>	<b>364</b>
Outlook on the Major Coal Producers .....	364
Outlook on the Major Coal Mines .....	364
Coal Export Ports .....	365
<b>Colombia .....</b>	<b>366</b>
Outlook on the Major Coal Producers .....	366
Coal Export Ports .....	366
Outlook on the Major Coal Mines .....	367
Cerijon Coal Exports during CY 1985- 2002 .....	368
Cerijon Coal Exports by Region in CY 2002 .....	368
Coal Exports by Destinations during CY 1999- 2002 .....	369
<b>Venezuela .....</b>	<b>370</b>
Outlook on the Major Coal Producer .....	370
Outlook on the Major Coal Mines .....	370
Coal Export Port .....	370
Export Coal (Guasare Coal) Specifications .....	370
Coal Exports by Destinations during CY 1999- 2002 .....	371
<b>Poland .....</b>	<b>372</b>
Coal Exports by Destinations during CY 1999-2002 .....	372

## Major Coal Import Countries

<b>S.Korea .....</b>	<b>373</b>
[ Trade Statistics ] .....	373
Yearly Coal Imports by Source during CY 1990-2002 .....	373
Yearly and Monthly Coal Imports (CY 1990-2002) .....	374
Yearly and Monthly Coking Coal Imports (CY 1990-2002) .....	375
Yearly and Monthly Thermal Coal Imports (CY 1990-2002) .....	376
Yearly and Monthly Anthracite Imports (CY 1990-2002) .....	377
Yearly and Monthly Average US\$ Price of Coal (CY 1990-2002) .....	378
Yearly and Monthly Average US\$ Price of Coking Coal (CY 1990-2002) .....	379
Yearly and Monthly Average US\$ Price of Thermal Coal (CY 1990-2002) .....	380
Yearly and Monthly Average US\$ Price of Anthracite (CY 1990-2002) .....	381
Coal Imports by Coal Types and Source in CY 2001 .....	382
Coal Imports by Coal Types and Source in CY 2002 .....	382
Monthly Coal Imports by Coal Types and Source in CY 2002 .....	383
[ Coal Supply and Demand Statistics ] .....	389
Yearly and Monthly Supply and Demand of Bituminous Coal .....	389
Yearly and Monthly Supply and Demand of Anthracite .....	390
Energy Consumption in 1990's and Energy Demand Forecast .....	391

<b>Electric Power Utilities</b> .....	<b>392</b>
Coal Imports by Five Generation Companies (Gencos) in CY 2001 .....	392
Coal Demand Forecast by Five Gencos .....	392
Power Plants under Construction by Gencos .....	393
Installed Capacity of Power Generation Subsidiaries (at the end of 2001) .....	393
Yearly and Monthly Fuel Consumption by Electric Utilities .....	394
Coal Consumption by Power Plants during 1998-2001 .....	396
Trend of Generating Facilities by Fuel Types during CY 1986-2001 .....	398
Trend of Generation Facilities by Plants during CY 1997-2001 .....	399
Results of Five Genco's Competitive Tenders in CY 2002 .....	401
Results of Five Genco's Competitive Tenders in CY 2003 .....	405
[ MOCIE Energy Statistics ] .....	406
Status of Energy Supply and Demand during CY 1997-2002 .....	406
Energy Consumption by Fuel Types during CY 1980-2001 .....	406
Monthly Energy Supply and Demand by Fuel Types during CY 1991-1996 .....	407
Monthly Energy Supply and Demand by Fuel Types during CY 1997-2002 .....	408
<b>Taiwan</b> .....	<b>409</b>
[ Trade Statistics ] .....	409
Yearly and Monthly Coal Imports (CY 1991-2002) .....	409
Yearly and Monthly Bituminous Coal Imports (CY 1991-2002) .....	410
Yearly and Monthly Anthracite Imports (CY 1991-2002) .....	411
Yearly and Monthly Other Coal Imports (CY 1991-2002) .....	412
Monthly Average US\$ Price of Bituminous Coal (Jan 1999-Dec 2002) .....	413
Monthly Average US\$ Price of Anthracite (Jan 1999-Dec 2002) .....	414
Monthly Average US\$ Price of Other Coal (Jan 1999-Dec 2002) .....	415
Coal Imports by Coal Types and Source in CY 1999 .....	416
Coal Imports by Coal Types and Source in CY 2000 .....	416
Coal Imports by Coal Types and Source in CY 2001 .....	417
Coal Imports by Coal Types and Source in CY 2002 .....	417
Monthly Coal Imports by Coal Types and Source in CY 2002 .....	418
Green Pet. Coke Exports by Destinations during CY 1996-2002 .....	430
Exchange Rate of U.S. Dollar (NT\$/US\$) .....	431
<b>Electric Power Utilities</b> .....	<b>432</b>
Generation Capacity by Fuel Type in CY 2001 .....	432
Taipower's Operation Statistics during CY 1998-2002 .....	432
Power Development Projects by Independent Power Producers (IPPs) .....	433
Taiwan's Thermal Coal Imports by Source during CY 2000-2002 .....	433
Power Development Projects by Fuel Type .....	434
Results of Taipower's Bituminous Coal Spot Tenders (2001 and 2002 Shipment) .....	435
Results of Taipower's Bituminous Coal Spot Tenders (2003 Shipment) .....	436
Results of Taipower's Bituminous Coal Spot Tenders (TPC 9101- TPC 9105) .....	437
Results of Taipower's Bituminous Coal Spot Tenders (TPC 9201- TPC 9204) .....	439
Results of Taipower's Sub-Bituminous Coal Spot Tenders (2002 and 2003 Shipment) .....	441
Results of Taipower's Sub-Bituminous Coal Spot Tenders (TPC 9101 S- TPC 9105 S) .....	442
Results of Taipower's Sub-Bituminous Coal Spot Tenders (TPC 9102 S- TPC 9203 S) .....	443
<b>Hong Kong</b> .....	<b>444</b>
[ Trade Statistics ] .....	444
Yearly and Monthly Coal Imports (CY 1990-2002) .....	444
Coal Imports by Source during CY 1990-1995 .....	445
Coal Imports by Source during CY 1996-2002 .....	446
Monthly Coal Imports by Source in CY 2002 .....	447
<b>Thailand</b> .....	<b>449</b>
[ Trade Statistics ] .....	449
Coal Imports by Source during CY 2000-2002 .....	449
Monthly Coal Imports by Source in CY 2002 .....	449
Coal Supply and Demand and by EGAT and Industrial Sector .....	450
Power Development Projects by Independent Power Producers (IPPs) .....	450
Coal Operation Breakdown by Banpu in CY 2002 .....	451
Banpu's Coal Reserves and Production in Indonesia and Thailand .....	451
Banpu's Indonesian Coal Specifications .....	451

<b>Other Asian Countries</b> .....	<b>452</b>
<b>Philippines</b> .....	<b>452</b>
Coal Imports by Source during CY 1999-2002 .....	452
<b>Malaysia</b> .....	<b>452</b>
Coal Imports by Source during CY 1999-2002 .....	452
<b>India</b> .....	<b>453</b>
Coal Imports by Source during CY 2000-2002 .....	453
<b>Europe</b> .....	<b>453</b>
<b>U.K.</b> .....	<b>454</b>
U.K. Coal Imports by Source during CY 2000-2002 .....	454
Coal Imports by Coal Types and Source in CY2002 (Extra EC Imports) .....	454
Yearly Coal Production, Imports, and Exports during CY 1995-2002 .....	455
Yearly Coal Consumption by End User during CY 1995-2002 .....	456
Yearly Coal Stocks by End User during CY 1995-2002 .....	456
<b>Other European Countries</b> .....	<b>457</b>
EU Germany France Italy Netherlands Denmark Belgium Austria .....	457
Switzerland Norway Finland Sweden Ireland Iceland Luxembourg .....	
<b>Other Countries</b> .....	<b>466</b>
Mexico Brazil Argentina Chile Turkey .....	466

## Overseas Statistics

<b>World Coal Institute (WCI) Statistics</b> .....	<b>469</b>
Major Coal Export Countries in CY 2001 .....	469
Major Coal Import Countries in CY 2001 .....	469
Major Coal Production Countries in CY 2001 .....	470
Major Coking Coal Export Countries in CY 1999 .....	470
Major Coking Coal Import Countries in CY 1999 .....	470
Major PCI Coal Import Countries in CY 1999 .....	470
<b>BP Statistics</b> .....	<b>471</b>
Coal Production by Countries during CY 1991-2001 .....	471
Coal Production by Countries during CY 1991-2002 .....	472
Coal Consumption by Countries during CY 1991-2001 .....	473
<b>Overseas Iron and Steel Production</b> .....	<b>475</b>
World Major Countries Crude Steel Production .....	475
<b>International Iron and Steel Institute (IISI) Statistics</b> .....	<b>479</b>
Crude Steel Production by World Major Steel Companies in CY 2001 .....	479
Crude Steel Production by World Major Steel Companies in CY 2002 .....	480
Crude Steel Production by Countries during CY 1998-2002 .....	481
Pig Iron Production by Countries during CY 1998-2002 .....	482
Direct Reduced Iron Production by Countries during CY 1992-2001 .....	483
Monthly Crude Steel Production by 64 Countries in CY 2002 .....	484
<b>Chinese Iron and Steel Statistics</b> .....	<b>496</b>
Output of Major Industrial Products in Iron and Steel Industry during 1949-2001 .....	496
Energy Consumption in Iron and Steel Industry during 1985-2001 .....	496
Output of Major Industrial Products by Region in CY 2001 .....	497
Output of Coal Coke by Types in CY 2001 .....	497
Energy Consumption by Region in CY 2001 .....	498
Coal Consumption by Types in CY 2001 .....	498
Output of Crude Steel, Pig Iron, and Final Steel Products in CY 2001 .....	499