access to European market 71
accidents at nuclear plants in Japan 153
accountancy 348
accounting
  international benchmarks 394
  practices in overseas subsidiaries 86
advertising firm, Dentsu, Japan 362–4
AEON, general marketing store 357
affiliates overseas 48, 49, 52
  in China 56
  in general machinery 272
  of Japanese firms, locations 66
  managers 85, 86
  and parent companies 294
afforestation in Australia 170, 171
agricultural commodities, imports 106
agricultural sector 115
agriculture
  and food security 105–24
  intensive, China 117
  aid donor, Japan 94–5
Ajinomoto frozen food company 113, 116
Alaska, fishery subsidiaries 129
Albany Plantation Forestry Company 166
alcoholic beverages 192
aluminium industry 32, 231, 233
  Asahan project, Indonesia 32
  aluminium processing 237–43
aluminium smelting industry
  in Australia 238
  relocation 241–2
American glass manufacturers 214
  anti-dumping
    action by US 321
    cases against Japan 258
    penalties 275
Anti-Monopoly Law 214
Aoki Construction, case study on
  hotels 418–19
arable land shortage in Japan 434
Asahan Aluminium Project 240–41
Asahi Breweries 112, 193–4
Asahi Glass 4, 7, 214–16
  expansion into Russia 210–11
ASEAN Free Trade Agreement 308
  economic growth 307
  manufacturing bases 3
Asian economic crisis 307–9
Asian financial crisis 1997 385, 386
Asia-Pacific region 12
Askew/Yasukawa agreement, 1980 300
assembly locations, ASEAN and China 73
assembly plants in UK, Nissan and Honda 305
asset deflation, bad loans and FDI 387–8
asset seeking investment 36–40
assistance measures to steel producers 245
Ataka, joint venture with US steel company 257
Auburn Steel company, US 257
Austin cars of United Kingdom 303
Australia
  Japanese investment
    for food production 120–24
    investment for iron ore 249–50
    for rice 197
Australian milk production, case study 120–21
Australian Plantation Timber Company 171
Australia-Thailand FTA 308
automotive affiliates, location 289
automotive industries 7, 12, 17, 438
ASEAN 48–9
  assembly plants 36
    in United States 289, 290
clusters 68
component production in US, Japanese 295, 302–3
domestic rivalry 42
and glass 214
globalisation 286–315
and intrafirm trade 92–3
non-ferrous metals 231
parts suppliers, Japanese 296
production in US, Japanese 247, 298
steel subsidiaries in China 255
supply chains 293
technology licensing 311
technology trade, Japanese 310–11
automotive machinery industry 268
automotive market
in US 297, 298
domination of US 291
autoparts industries 294
bad debts and bad loans 386, 387, 392
balance of payments data 86
ball bearing industry, Japanese, case study 276–7
Bandar Khomeini petrochemicals investment project 143
bank collapses, Japanese overseas 390
banking and finance 4, 345, 369–97, 439–40
banking sector recovery 395
bank lending to Asia 385
bank losses from bad loans, Japan 388
bank mergers in Japan 387
Bank of Taiwan 370
bank subsidiaries outside Japan 371
banks
leading 381
role of, in expansion of FDI 380–82
Baoshan Iron and Steel 255
barrier to international competitiveness 394
barriers to globalisation 394
Basel Accord on bank capital 382, 383
Basel capital adequacy guidelines 392
Basic Law for Pollution Control 231
Basic Law on Food, Agriculture and Rural Areas 105
beef from Australia 122–4
beer industry 192, 193–5, 436
beverages industry 192–204
biotechnology development, Japan and US 39
Bohai offshore oil field 143
Boiling Water Reactor (BWR) 153
Brazil and Japan 70, 107–108, 141
soybean crop 107–8
steel mill 248
broadband Internet access 352, 404
bubble economy 378–82
end 382, 383
business service needs of Japanese firms 346
business services supply 349–50

Caesar Park Hotel, Brazil 418
Calsonic Kansei, supplier of primary parts 303
cameras 267
Camry by Toyota, in US market 313
Canada and Japan, forestry trade 162, 163
Canon electronics firm 321
producer of precision equipment 282–4
sales and R & D 283
capacitors 323
capital-intensive production processes 323
car audio systems, Japan, world leader 338
car industry, China 255
car navigation systems, Japan world leader 338
carbon credits market, Australia 170, 171
carbon dioxide emissions reduction 152
Cayman Islands and Japan 91, 93
cellular telephone services 402–4
chemicals industry 206–8
expansion into United States 206
Chile, investment in copper 237
China
economic zones 74
growing importance in textiles 175–7, 185–9
incentives for investment in 94
increased demand for oil consumption 154
Japanese electronic firms, investment in 325, 326
Japanese steel, investment in 254–7 manufacturing bases 3
steel exports, enlarging market 73
China and Japan 3, 5, 19, 73–8
automotive firms 9
labour 41
China-Japan Friendship Hospital 416
Chinese automotive industry 309
Chinese chemical industry 206
cigarette exports 200, 201
civil engineering projects 417
clothing companies 178
imports from China 175–7, 187 outlets 185
clustering for electronics industry 73
clusters, benefits of 68
coal and iron imports 405
coal exports, Japan from Shanghai 350
coastal fisheries, assistance 133
coffee plantations joint venture 108
colour televisions (CTVs)
Japanese producers 329
US government imports 327
US manufacture 321
Columbia Pictures
Sony purchase 328, 333
Columbia Records
takeover by Sony 328
commerce and trade sector 351
commercial distribution networks 319
commercial presence 345
compact disc players 328
competition
with China in textiles 184
for energy resources 154
intense, in electronics 338
competitive bank practices 390, 391
competitiveness
loss of 37
of steel industry 259
and technology 336–7
complex machinery and equipment 437
components exports, North America, Europe, China 47
components manufacturing 33
composition of Japanese FDI 14
compressors 306
computer numerical control (CNC)
technology 281
computers 321
software, Japan and US 39
customer durables 3
consensus management 22
constant velocity joints 306
construction contracts overseas, Japanese 412
construction industry 408, 411, 412
investments 413, 414
Japanese FDI, by country 409
construction orders, overseas 410
consumer credit company, Itochu 352
customer durables, decline 335
customer electronics
competitiveness, Hitachi 337–8
equipment 283
products, price declines 334–6
consumption abroad 345
Convention for the Conservation of the Southern Bluefin Tuna 131
copper investment overseas 237
copper mines 141, 144
corporate culture of Japan 390, 394
corporate governance 390
corporate organisations 291
cost reduction 291
cotton textiles 176
in United States market 180
criticism of Japanese whaling, international 135–6
currency crisis in Thailand 308
customer proximity 73
dairy products 111
Daiwa Securities, New York branch, loss 390
decline in construction projects 413
deep-sea fishing, decline of catch 127
deflation in Japan 382
deforestation
complaints about 160
environmental impact 157
in Malaysia 157
Denso Corporation, case study 296–7
market leadership in car parts 297
Dentsu and international advertising services 362–4
department stores, Japanese 356–7
deregulation measures 395
develop-and-import projects 107–8
developing countries, investment in 87, 251
development banks, Japanese 88–90
digital cameras industry 282
from China 280
Japan world leader 338
direct investment 369
discounted loans 87
discount stores 356
diversification of forestry investment 162–3
domestic coal 145–7
domestic employment, decline in 270
domestic farm policy 115
domestic industry in Japan 335
domestic restructuring and FDI 334–48
domestic supply chains of firms overseas 46
Dongfeng Motor in China, joint venture 303
drug pricing system 221
drugs, testing and marketing 221
dumping, ruling on 329
Dunlop tyre business 217
DVD players, Japan world leader 338

East Asia and Japan 4
assistance on infrastructure 415
Japanese banks in 384–6
two-way trade 47, 48, 49, 50
Eastern Seaboard Development Plan 415
economic growth in Southeast Asia 384
economic recovery in Japan 396
education 345, 348
educational services, case study 361
efficiency seeking investment 32, 67, 72, 319
EIE International, case study 426–7
electrical machinery,
internationalisation 318–40
electric and electronics industry, Japan 6, 7, 12, 13, 215
machinery FDI 319
non-ferrous metals 231
electric motors 306
electric-powered vehicle 311
electronic affiliates, types, Japanese 322
electronic component manufacture 323
electronic equipment 267–68
electronic games industry, Japanese 334
software services 362
electronic goods production, Japan global share 339
electronics machinery industry 3, 17, 18, 58–9, 68, 438
ASEAN and Japanese 32, 319, 322–7
China 32
and FDI 32
internationalisation 318–40
product manufacturing 50
electronics sector, outlook 338–40
electronics subsidiaries in ASEAN 321
electronics technology, Japan leading 337
embargo on commercial whaling 135
employment and management, wholesale and retail 355
in overseas affiliates 19–20
in overseas general machinery industry 271
employment patterns 18–20
energy
demand and supply, Japanese 147
development in Australia 152
insecurity 148–50
and resource supply to Japan 62, 138–54
energy seeking investment 32
energy sources, alternative 141
English language, international use 348
environmental degradation from Japanese forestry investment 161
environmental pollution 251
equity
capital funding 81
investment, Japanese 250
involvement 404
ethanol sugar cane distilleries, Brazil 139
ethylene production 206
eucalypt plantations in Brazil 160, 161
euro-finance 374
Europe and Japanese investment 4, 71–2
automobile investment from Japan 303–7
European enlarging market 71
European investments in glass 214
European local procurement 306–7
European subsidiaries of Japanese banks 380
exchange rates and Japanese FDI 40–41
exhaust emission standards, Japanese 310
expansion strategy of Sony 333
expatriates
from Japan, global employment 347
needs of 346
staff in banks 390
experience of world financial markets, lack of 393
Export-Import Bank (EXIM) 87, 111, 165, 270
financial support for timber 159
fund for Baoshan Iron and Steel complex 255
loans to iron ore projects 248
exports
competitiveness 3
facilitation 64
and imports to overseas affiliates 51
quotas on automobile producers 300
restraints and FDI 299–302
vehicles within EU 305
export structure of Japan 34, 50
Exxon building 423
ExxonMobil LNG terminal 150
falling asset prices 382
Family Mart, convenience store 357
family members and overseas subsidiaries 23
farming protection 105
fast food chains 111
feedlot industry 122
fertiliser exports 211
film industry, US 333
finance and insurance sector, Japan 369–97
financial expansion, reversal of 382
financial services
competitiveness 392–7
Japan 369–97
Financial Services Agency 394
financial technology skills 391
financing
by industry 90
investment 81–99
of Japanese FDI 83
firm-specific knowledge 345
First National Bank of Korea 370
fish and fisheries 434
and food security 126
government support 131–4
joint ventures 128
official development assistance (ODA) 133–4
and resource security 126–36
subsidiaries in Alaska 129
Fisheries Law 126
fishing access agreements, bilateral 130
fishing industry, Japanese 126–8
flags of convenience 406
food and beverages sector 109–14
food and resource security 434
food imports
from China 117
to Japan 105
food manufacturers with overseas facilities 110
food processing 109–13
food security
policies, Japan 105–09
food self-sufficiency, decline in 105
foreign affiliates
changes in ownership 272
of chemical industry 209, 210
of Kajima Corporation 417
foreign business of Japanese pharmaceuticals 226
foreign direct investment, Japan 3, 4, 5
commerce by country, Japanese 352
loans 89, 96
Index

foreign exchange risk 350
foreign investment
deregulation 373
  China 319
in Japanese banking 389–92
in Japanese pharmaceuticals 223–4
  for national interest 64–5
outflows 67
  regimes in East Asia 323
in textiles 179–80
in US automotive industry 302
in US steel industry 259
foreign investment inward, restriction 64
foreign ownership regulations 52
foreign technology, adoption of 58–9
foreign tourism, Japanese 426
forestry 157–71
  developments overseas 159–65
  investment 434
  loss of forest cover in Japan 158
  resources in Australia 166
forklifts 306
France, political opposition 306
  franchise 345, 348
free trade agreements with Australia 155
fuel economy 311
fuel-efficient models 312
fuel injection pumps 297
Fujifilm overseas production 284
Fuji Heavy Industries 310, 311
Fujisawa Pharmaceutical factory in New York 227, 228
Fujitsu, electronic firm 321
funding costs for FDI 388–9
funding of non-ferrous metal resources 235
Furukawa Electric 40
  takeover of Optical Fiber Solution 328
  and Technology-driven FDI, case study 332
Gallagher Group, UK, acquired by Japan 203
general machinery sector 268–9
  firms in US, Japanese 275–6
general merchandising stores (GMS) 357
generic pharmaceuticals 221, 222
textile and clothing 179–80
  in US automotive industry 302
  in US steel industry 259
government agencies, financing of FDI 89
government assistance for exploration 234–5
government support
  for aluminium industry 239–40
  for FDI 87–90
  for offshore fishing fleet 131–2
Grand Metropolitan PLC 427–8
green tea products 121
greenfield investments 3, 85
  China, ASEAN 54
greenhouse gases 170, 171
  carbon credits 358
  offsets 166
Greenpeace 135
Guangzou Iron and Steel 255
hardwood plantations in South Australia 167
hardwood timber 169, 170
Harris Daishowa Australia 169
health and medical services, case study 364–5
  hierarchical control structure 394
  high technology industries 352
Hillman cars of United Kingdom 303
Hitachi, electronics firm 321
  internationalisation 338
Honda Motor, 286, 289
  avoidance of joint ventures 292
  and British Leyland 305
  case study 313–15
  joint ventures with China 314
manufacturing operations 314
offshore investment 42
vehicle production in US 314
Hong Kong, building projects 416
hospital service chain, Japan 364–5
host country incentives 98–9
host economies in East Asia 64
hotel and resort ownership 418–19, 423, 345, 426–7
housing project 416
Human Genome Science project in US 224
human resource management 389–90
i-mode 403, 404
import competition 3
import curbing from China 119
import of fishery products 127
import quota on beef from Australia 122
import replacement (IS) 48
India and Japan
labour relations problems 77
Indonesia and Japan 32, 76–7, 150
local partner 52
shipbuilding 406
tropical forests 161
Indonesian foreign investment climate, corruption 76
Industrial Bank of Japan 87
industrial chemicals 206
industrial clusters in China, advantages 74–5
industrial goods, heavy 3
industrial plantation projects 170
industrial robots in Japan, case study 281
infant milk formulas 120, 121
infrastructure
building in East Asia 408, 412
investment 412
projects in China 416
in-house technology 292
innovation by Japan 58
Inpex Corporation, national oil company 87, 145
instant noodle market 119
Institute for Cetacean Research 135
institutional investors 428
insurance 346
insurance companies, capital losses 377
insurance sector, overseas investment 374–8
integrated circuits 323
‘integrated developer’ strategy 417
intellectual property protection 50, 59
intellectual property rights (IPR) low in China 54–5, 311
Inter-Continental Hotels chain purchase 427–8
international business schools Japan 348
international competitiveness 87, 391
in colour TVs 329
in drugs 221
international construction services 401–6
international debt markets 380
international dominance, Japanese banks 380
internationalisation 4, 42
in automotive sector 287–8
of firms in related industries 210
of food industry 112
of general machinery sector 269–70
of Japanese pharmaceuticals 225
mode of 292–3
of Nippon Denso 297
of Toyota 312–13
tyre manufacturers, Japan 218
international lending 385
international operations of general machinery 274
of Japanese steel firms 253
international quality of Toyota 312
International Whaling Commission 134
international withdrawal of Japanese banks 392
internet access from cell phone 403
Interneuron Pharmaceuticals 227
intrafirm supply chains 114, 115
intrafirm trade 46
in general machinery 273
and investment 85
parents and affiliates 50–52
vertical 324
investment
in Asia, motivations 56
in Australia and Brazil, for coal 147
in Australian forestry 167
in Chinese railways 401
in East Asia, motivation 62, 271, 278
in electricals and electronics 318
in Europe and North America, motivations 56
in foreign aluminium smelting 239
in foreign building 421
in Japanese automotive industry 388
by Japanese chemicals industry 208
by Japanese electronics firms 320
in Japanese production 35
in oil security, Japan 147–50
and reinvestment 82–3
investment environments, favourable 68
investment patterns 3, 4
in fishery industries 128–31
in non-ferrous industry 233
investor control of foreign subsidy 57
inward direct investment 8
inward FDI in services 365–6
Iran
Azadegan oilfield 149
Bandar Khomeini petrochemicals 143
iron ore industry 358–9
Isutan department stores, subsidiaries 357
Itochu 166
IT and telecommunications 404
Itoham Foods, meat processing 122
Japan
as beer consuming nation 193
bilateral ODA 415
dependence on energy imports 142
domestic forestry resources 158
and employment in Africa 18
food investment in China 117–20
as international technology leader 39
investment in afforestation in Indonesia 162
largest food importer 434
leading donor in Southeast Asia 94
major importer of forestry resources 157, 160
‘market seeking’ in United States 65
traditional ‘whale culture’ 135
Japan and China 75
reasons for FDI 75
worker education and training 76
Japan and East Asia 72–3
Japan and North America 12
Japan Bank of International Cooperation (JBIC) 88–9
Japan Export-Import Bank (EXIM) 88–90
Japan Fisheries Industry grant 130
Japan National Oil Corporation (JNOC) 148
Japan overseas development aid (ODA) to ASEAN 97–8
Japan Petroleum Exploration Corporation (JPex) 149
Japan Precision Instruments investment 49, 50
Japan premium and funding costs for FDI 388–9
Japan Rare Earth Association 144
Japan Tobacco 192, 197–204
Japan-Brazil Paper and Pulp Resources Development Project (JBP) 161
Japanese affiliates in China 74
Japanese automotive investment in East Asia 307–9
in Europe 303–7
FDI by country 290–91
in US 297–303
Japanese banking groups, divestment 387
in US 379
Japanese colour TV FDI in US and Europe 329–32
Japanese diet and culture 434
Japanese Export-Import Bank 13
Japanese FDI 7–8
in chemicals 207
in finance and insurance 372
in general machinery 270
in real estate 422
by textiles industry 180, 181
Japanese Financial Institutions, overseas subsidiaries 390
Japanese financial presence in London 374
Japanese imports and exports in wood and pulp 164
Japanese investment
  in Australian Forestry, case study 169–71
  in foreign breweries 193
  in non-ferrous metals 232
Japanese language, scarcity of markets 359
Japanese management overseas 21–22
Japanese Official Development Assistance (ODA) program 370
Japanese procurement in US automotive market 294–5
Japanese regional banks, withdrawal 383–4
Japanese steel FDI in United States 257–61
Japanese textiles FDI 180–84
  exports 179
  factories in China 176, 178, 180
  new subsidiaries 184
Japanese Towel Industrial Association 188
Japanese traditional food 113
Japanese VCR exports to EU, case study 332
Japanese whaling industry 134–36
Japan-Malaysia Economic PartnershipPact 115
joint ventures 164
  in Europe 305
  in Japan 52
  partners 53–5, 169
  in pharmaceuticals 220
  in polyester film 213
  in steel in US 250, 258
  for telecommunications 404
  with US research companies 227
‘just-in-time’ approach 291
Kajima Corporation, internationalisation 418
overseas construction activities 417–18
Kaohsiung Export Zone, Taiwan 64
Kawasaki Steel 247
keiretsu role, and traditional parts suppliers 295–6
Kikkoman Corporation, case study 108–9
Kirin Brewery 112, 194
knowledge-sharing 39
Kobe Steel 247
  in China, case study 256–7
Konami, electronic games software 362
Korean competition for cotton 181
KPN Mobile, Netherlands 403
Kumagai Gumi, case study 417
Kumon supplementary education for children 361
Kuwait and Japan 141
Kyodo Senpaku Kaisha, whaling company 135
Kyoto Protocol on Climate Change 152, 166, 167, 170–71
labour-intensive production processes 41, 95, 323
labour, lower cost 41
labour unionisation 69
land and stock market indices 379
Land Cruiser sport utility vehicle 312
landmark buildings, rivalry for 423
land prices in Japan 394, 421
language and communication problems 22–3
language barriers, Japanese services sector 348
laptop computers 336
Latin America and Japan 4, 69–71
Law of the Sea Convention 127
Lawson chain in China 356
lead (metal) 231
‘lean manufacturing’ in Japanese motor industry 286
legal practices in finance 394
legal services 348
lending problems in Southeast Asia 386
licensing agreements in telecommunications 404
licensing rights over intellectual property 227
life insurance 378, 428
  sector yields, Japanese 376
light industry, internationalisation of 435–7
limitation of Japanese car imports France 305
Italy 305
liquefied natural gas (LNG) imports 150–2
loans non-performing 387
technical assistance 87
local assembly of Japanese vehicles, Europe 303, 306
local manufacturing industry 294
local markets, lack of direct knowledge 390
local production to enter China market 309
in France, by Toyota 313
London as international finance centre 71
long-term afforestation investment 170
Long-Term Credit Bank, bankruptcy 382
lower cost economies, investment in 271
lower cost locations 319
low profitability 291
in Japanese banks 393
Lucent Technologies, US 40, 328, 332
optic fibres division 337
lumber and pulp subsidiaries 157–71
machinery, general 267–83
machinery industry, internationalisation 56
machine-tool industry, Japan 281
magazines, Japanese, in China, Korea 361
magnetic tape recorder, Sony 332–3
Malayawata Steel, Malaysia 248
Malaysia, local partner 52
management differences with General Motors, US rival 292
management techniques, Japanese 20–22
Manchuria and Japan 177
investment in 62
railway network 245
manufacturing FDI outflows 67
internationalisation of 32–5
investment 16–18
in East Asia 72
manufacturing plants, Japanese, in US 301
marine conservation 126
marine products firm 129
market access for Japanese FDI 85
market restrictions on televisions, US 327
market-seeking 30–32, 67
market size, magnet for Japanese exports 65
market tool subsidiaries in US market, Japanese 275
Marubeni trading company 14, 159
international aluminium investment, case study 242
Masan Free Export Zone, Korea 64
Masters Settlement Agreement, 1998 200
Matsushita Electric 12, 318
consumer-electronics manufacturer 321, 326
Mazda exports of vehicles 290, 291
measurement of profitability 86
measuring instruments 267
medical equipment 267
Meiji Restoration 57
Meiji Seika 176
Mercian, Japanese wine company 195–6
merger and acquisition strategies 52, 85
in pharmaceuticals 224, 225
Metal Mining Agency of Japan (MMAJ) 143–4, 235, 236
metals industries 9, 13
MGM film studios, bought by Sony 333
military forces of Japan 62
milk products 116–17
mine exploration decline of 138
Japanese loans for 141, 146
mineral exploitation overseas, investment 143
mineral exploration projects 143
Index

Index entries:

mines and metals processing 233, 234
Miniaturisation, Hitachi 338
Ministry for International Trade and Industry (MITI) 165
Misui, and petrochemical plants offshore 212
MITI Industrial Structure Council 251
Mitsubishi Chemical, and Hoechst AG 213
Mitsubishi Corporation 122
DaimlerChrysler share in 291
Mitsubishi Estate 14, 159
and Rockefeller centre, case study 423–5
Mitsubishi Materials Corporation 144, 231
Mitsubishi Rayon 187
Mitsubishi UFJ Financial Group
investing 396
Mitsui & Co 139, 159, 350
Mitsui Australia 14
investments in Australia 359
trading company as investor, case study 357–9
Mitsubishi Mining and Smelting 231
Mitsukoshi, department store company 356
mobile telecommunications 403
monosodium glutamate world market 116
most favoured nation (MFN) status 179
motivation
for electronics in FDI, East Asia 325
for FDI 6, 29–30, 273
Japanese firms in East Asia 38
for investment in SMEs 41
for Japanese services 43
for overseas investment 47
motor vehicles 3, 113, 286
motorcycle plant, Marysville, US 313, 314
motor vehicles industries 6
Mount Newman, iron ore development 250
Multi-Fiber Arrangement 179, 180
multinational firms 3, 5, 318
profitability of 84
multi-skilled workers 22
Nantong Development Zone, China, case study 188
NARA Treaty, Australia and Japan 144–5
natural gas to Japan 150–52, 358
natural resources, search for 63
New Zealand marine products 129
newsprint factory in Canada 160
niche Japanese investments, case study 121
nickel investment overseas 236–7
Nintendo games 362
Nippon Amazon Aluminium Company, case study 243
Nippon Denso see Denso Corporation
Nippon Glass 4
Nippon Kokan (NKK) 246–7
and National Steel, case study 259–61
Nippon Life Insurance 375, 428
Nippon Light Metal, aluminium producer 241
Nippon Meat Packers 123
Nippon Mining and Metals of Japan 144, 231
Nippon Sheet Glass, case study 214–16
Nippon Steel joint venture 246, 255
overseas strategy, case study 253–4
Nippon Suisan, case study 129–30
Nippon Telegraph and Telephone Corporation (NTT) 402
Nishimatsu Constructions, in China 416–19
Nissan Motor 37
and Alfa Romeo, Italy 305
and Motor Iberica, Spain 305
Renault investment in 291
Nissan Motor Manufacturing Corporation USA 301
Nissan, in United States 289
Nissin Foods 111, 119, 247
non-ferrous companies 434–5
non-ferrous metals industry 231–43
non-manufacturing sectors 14
non-performing loan (NPL) 395
North America and Japan 4
North American investments in glass 214–15
North Borneo reforestation projects 158
North West Shelf Project, Australia 151–2, 358

NTT Mobile Communications
Network 402–4

nuclear power 3, 7, 142
and foreign investment 152–4
overseas expansion 153
nuclear power firm, acquisition 153
nuclear technology, sophisticated 153

Oceania region, deep-sea fishing 133

ODA see official development assistance
office buildings 423
New York and London 411
office equipment 321
official development assistance (ODA) 142–3
chemical industry 212
and construction 414–16
and FDI 94–8
key role in Chinese steel industry 254
projects 408

offshore investments in natural gas 150
Ohio, US, locations for Honda 314
oil and gas industry, Australia 151, 358
oil crises, impact of 141–4
oil embargo, global 312
oil imports from Middle East 147
oil investment, with Saudi Arabia 141
oil pipeline from Siberia 90
oil resources, Japanese-owned 148
Oji Paper’s overseas investments 163,
166, 168–9

Okamoto Machine Tool Works 308
optical fibre production 332
optical instruments and lenses 267
outward FDI, gradual deregulation 372–4
overfishing of bluefin tuna 131
overseas affiliates 4, 18–20
in general machinery 270
by industry 31
of Japanese firms 47–48
of lumber and pulp industries 162
overseas eucalypt plantations of Oji
Paper 168–9
overseas investment 64
in business service industries 349
chemicals 208

in electronics, motivations 319
in energy resources 139, 147–8
insurance 88
loans 89
in pulpwood and paper 165–71
for resource security 140–44
structure 109–14
tyre and rubber 216
overseas outlets of Japanese retailers 355
overseas production funding 235
of motor parts 286
overseas real estate 428
overseas resource projects in steel 248–9
overseas saki production, investment, case study 196–7
overseas subsidiaries 15, 346
of Japanese services industries 346
overseas supply of coal 146
ownership of Japanese foreign affiliates, electronics 323

Panama and Japan 92, 93
paper manufacturing 157
paper processing 157–71
parent and affiliate firms, bonds 296
partnerships 345
in East Asia 307
patent holder, Hitachi leading 338
patent ownership 36
pension funds in Japan 375
Peru and Japan, mining 234–5
petrochemical plant construction in Middle East 143
petrochemicals industry 211–13
petrol-electric cars, Toyota 312
Petroleo Brasileiro SA, oil company 139
petroleum stockpile 140
pharmaceuticals 211, 437
firms, Japan and US 40
industry expansion 206
internationalisation of 220–28
sector in Japan 221
Philippines
ban on forestry exports 157
financial incentives to Japan 251
nickel refinery 237
pick-up trucks producers 308
Pilkington Glass 7, 215, 216
pilot reaforestation projects in Oceania 165
Plaza Accord 336, 373
political differences
  China and Japan 76, 154–5
  in EU 305
  over forestry operations 162
  in Indonesia 150–51
  with Iran 149
  with Soviet Union 149, 150
tension in US 302
political insecurity 148–50
political opposition to Japanese automotive exports 305–06
pollution control 138–9
polycarbonate resign 187
polyester film market 187, 213
port construction 408
portfolio investment 375–8
post-war recovery and foreign investment 63–5
precision machinery and equipment 277–84
Pressurised Water Reactor (PWR) 153
price competition in electronics industry 333
processing locations, ASEAN and China 73
procurement rates 294
production affiliates 32
production facilities, Japanese in EU 304
production flexibility in motor parts 286
production locations, ASEAN and China 73
profitability of Japanese FDI 84–6
project control in Europe and US 414
property investor in Oceania, largest 426
property management, international 428
proprietary technology, loss of 46, 57
protectionism
  in Europe 304–5
  in India 294
  in US steel market 260
publishing industry, Japanese 359–61
pulp and paper industries 141, 158, 159, 167
pulp mills offshore 158, 159
pulpwood consumption in Japan 166
railway infrastructure 401, 416
raw cotton exports from China 350
raw materials
  access to 64
  for steel, direct investment for 247–54
raw silk export commodity 177
real estate 385, 421
  collateral 380
  development in US cities 410
  lending 393
  prices, Japan 422
  in UK, US and Australia 423
realtors, international 423–5
reform and international re-entry, banking 396–7
registration of vessel, overseas 401
regulation
  extensive, of financial institutions 393
  of pharmaceuticals in Japan 221
Renault cars, France 303
research and development
  in drugs 221, 222
  Japanese investment 37
  in pharmaceuticals 225
  in US markets 227
research facilities, Japanese 337
resistors 323
resort complexes 423
resources
  investment-seeking 32
  and Japanese ODA 142–3
  for overseas expansion 73
security and political risk 144–7, 233
restraint measures on Japanese exports 36
retail trade services 353–9
rice 111, 115, 121
rice wines 196
risk level in Latin America 70
RJR International Tobacco 200–04
Rockefeller Centre, case study 424–5
rubber industry 206–18
Russia and Japan, oil pipeline agreement 90

safety and reliability of Toyota cars 312
Sakhalin, pulpwood producer 158
investment in 149, 150
saki, traditional Japanese drink 196
sales affiliates 32
in electronics 318
sales agents for overseas wine in Japan 195
Sanyo Securities
bankruptcy 390
sourced from China 282
Saudi Arabia
chemicals investment in 212–13
and Japan 141
Oil 213
Saudi Petrochemical Development Company (SPDC) 212
SBT Fisheries Regime, case study 131
science and technology in Japan 57–8
scientific equipment sector 278
scrap metal recycling 144
Sealord marine products company 129
Seibu Saison and international hotel/resort ownership 427–8
Seiyu, supermarket chain 357
Sekisui Chemical 207
Senshukai
service industries and investment 8–12, 43, 345–66
in Europe 71
and foreign investment 439–440
in Japan 46–7
service providers to foreign market 345
services, Japanese FDI in, by country 347
shared ownership in Asia 54
Shimadzu, medical equipment sector 278
Shimizu Equities (venture capital investment) 410
Shimizu Land Development 410
shipbuilding industry
Japan and Brazil 92, 405
Japan and Singapore 405–6
shipping and foreign investment, Japanese 405–6
Short-Term Cotton Textile Arrangement 179
Showa Light Metals, aluminium plant 238
Shuwa Corporation, case study 425
Siberia, investment in 149
Siberian oil pipeline 90
Singapore, chemicals investment in 212–13
Sino-Japanese War (1894-5) 77
small and medium enterprises (SME), Japan 41, 55–7
investment in China 56
smelting 231
Softbank and Vodaphone, Japan, case study 404
Sogo Sosha 350
Sony 318
assembly plants in US 330
electronics firm 321
and international competition 334
Sony Corporation 12, 52
case study 332–4
Sony Play Station 362
South Manchurian Railway Company 87, 401
Southern Bluefin Tuna 129, 131
Soviet Union as source of energy 149
soybeans
exports from China 350
in Japanese diet 107, 109
Special Economic Zones (SEZs), China 99
speculative investment, reaction 385–6
statistical surveys of direct investment 5
steel industry 9, 13, 435
cases of investment 252
investments in China, Japanese 256
and iron ore 146
Japanese, capacity of 246, 247
overseas investment 250–54
strategies 245–61
stock prices, collapse 394
strategies in metals supply for industry 144
strategic motivations for Japanese FDI 6
strawberries, imports from Australia 121
Subaru vehicles and General Motors proprietary technology 310
subsidies
in Asia, employment in 18
of business services industries 348
Japanese, by country 66
of non-ferrous metals industries 234
wholly owned 52–3, 55
Toyota 292
subsidised foreign investment loans for forestry 160
Sumitomo Chemical joint venture 213
aluminium smelting 238
Sumitomo Forestry 14
case study 163
Sumitomo Metal 231, 247
supermarket chain operator 357
supply chains 48–52, 63, 114–17
supply security in intra firm trade 50
Suzuki motors, offshore investment 42
synthetic fibres 175

Taiwan and Japan, historical links 77–8
Takashimaya, overseas retail outlet,
New York 356
Takeda Chemical Industries 224, 227
Takeda Pharmaceutical America 220, 223
tariff quotas 106 119
on exports to China 309
lowered on Thai automotive exports 308
taxation
agreements, impact on FDI 93–4
incentives 87
main categories 98
international benchmarks 394
policy and Japanese FDI 81, 91–4
treaties, bilateral 91
tax haven countries 91, 401
and FDI 67
investment in 380
tax regimes 99
tax sparing credits 93–4
technological knowledge 7, 414
technological tie-ups 404
technology
and automotive FDI 309–12
exports 310
and investment 274
in machinery 267
and manufacturing 37
role of, in Japan 57–9
transfer 59, 309
technology alliances 40
technology development grants 39
technology development of Prius, case study 311–12
technology-seeking investment 37
Teijin Tectiles 187
telecommunications 4, 321, 352, 401
deregulation 366
telematics devices 310
telephone services, outsourced 345
television assembly, Japanese investment 327, 330
television production in South Korea 330
international 331
textile industry 13, 175–89, 435, 436
China’s growing importance 185–89
decline in 175
export restraints 179, 180
fall in Japan 184
internationalisation 56, 176, 178
investment, motivations for 186
textiles, synthetic 177
Thailand
assistance to 415–16
automotive investment in 307–9
local partner 52
timber exports to Japan 159
timber plantation in Oceania 158
timber self-sufficiency in Japan 159
tobacco industry 192–204, 436
international expansion 197–203
market in Eastern Europe 203
tobacco-related health costs 200
Tohoku Electric Power 166
Tokushukai Medical Corporation, Japan 364–5
Tongas National Forest, Alaska, timber 159
Toray Textiles 175
investments 182
Toshiba 7, 318
acquisition of Westinghouse 153–4
control and ownership 37
tourism 345, 426–8
Japanese 356
Toyopet Crown 312
Toyota Motor Corporation 12, 37, 72
avoidance of joint ventures 93, 286, 289, 292–3
case study 312–13
in China 309
production system 291, 312
trade and investment
Japanese 350
liberalisation policy of Thai government 308
with overseas territories 140
‘trade servicing’ investment 30
in wood 163–5
trade and political friction 71
in China and Japan 119–20
in electronics 321
Europe and Japan 35, 305
in textiles 177, 179–80
United States and Japan 35, 151, 252
trade barriers 275
in France 313
trade competitiveness 35
trade imbalances 35
trade networks, expansion 72
trade-promotion efforts 346
trade secrets and national security 39
trade unionism, low level 302
trading companies 81
 corporate strategy 351–3
Japan 350–53, 352, 360
transistor television, Sony 333
transport and communications sector
401, 402, 408–19
transport industry 286, 345
tropical timber exports to Japan 161
tuna and bonito fishing, Papua New Guinea 130
catch from Pacific region 134
tunnel construction 416
tyre and rubber industries 216–18
unions in US, influence on workforce 292
United States market in electronics 318
motor vehicle assembly 36, 299
political pressure to VER 288–9
United States and Japan agreement on glass producers 214
cigarette exports to Japan 198
domination by Japanese companies 37
forestry trade 162
industry takeovers 36
investment in US 39
motivations for FDI 31, 68–9
pharmaceuticals 220, 224–8
share of automotive market 68–9
trade restrictions on Japanese steel exports 257
United States Clinical Trials, Japanese investment 226–7
United States Congress protest against Japanese 333
United States Internet 352
United States Tariff Commission 329
Usiminas, Brazil, steel 248, 249
vegetables from China 117, 118
vehicle assembly plants in US 301
vehicle production, Japanese, in US 300
venture capital investors 352
VER see voluntary export restraints
video cameras 328
video cassette player, colour, Sony 333
video cassette recorders (VCRs) 328, 332
Vietnam investment 99
Voice Operator Internet Provider (VoIP) 404
voluntary export restraints (VER) 257–8, 275, 300, 327
washing machines, China 326
water conveyance projects 415
water resource development 415
Western Alaska Fisheries 130
Westin chain of hotels 418–19
Westinghouse and Toshiba 153–4
Westwards Seafoods 130
whales hunting for research 134
wholesale and retail services sector 346, 351–9
wine industry 192
  domestic 195
  imports from France 195
  and saki, Japan 195–7
wood chips
  exports of 169, 170
  for paper production 165
wood sourcing 141
world market 3
World Trade Organization and China 74

Yakult Honsha 111, 113, 121
  case study 116–17
Yaris, passenger car 306

yarn manufacturing 189
Yasuda Bank, branch in China 370
Yawata Iron and Steel Works 245,
  250
yen
  appreciation 3, 12, 41, 95,
  depreciation 387
  in the euro market 374
  loans for building in East Asia 408
Yokohama Rubber 216–17
Yokohama Specie Bank, later Bank of
  Tokyo (BOT) 370
Yoshinoya, beef bowl chain 111
zinc 231