Index

access to water, see water, access to accountability 60
accountancy services 42
Adam, C.S. 66
aid programmes 5
financing water and sanitation improvement 186–90
airfreight 2
Almaty–Bishkek road agreement 46
Altig, D. 219, 223
Amjadi, A. 21
Anand, P.B. 192, 198
Andersen, L.E. 66
Anderson, J. 6, 17, 20, 34, 65, 71, 78, 79–80, 80, 85
Ando, M. 32, 36
Andriamananjara, S. 43
anti-dumping cases 41
antimonde approach 32, 33–5
Argentina, banking industry 41
Armington, P. 215
Aschauer, A. 218
Asian Development Bank (ADB) 54, 175, 196–7
Asia-Pacific Economic Cooperation (APEC) 80
trade facilitation and 44, 46–7
Association of South East Asian Nations (ASEAN)
Single Window Agreement (ASW) 45
trade facilitation and 44–5
Auerbach, A.J. 217, 218, 223
augmented gravity model 85–7
Australia 45
auto component industry, trade costs 95–6
Azerbaijan 1
Baier, S.L. 34
Balassa, B. 18
Bangladesh, access to water 9
banking industry 34
barriers to trade in 41–2
financing of infrastructure investment and 207
bank-led corporate governance 62
Barth, J.G. 34
Barwell, I. 117
Bellier, M. 209
benchmarking systems 196–7
Bennathan, E. 218
Bergstrand, J.H. 34, 80
Bevan, D.L. 66
Bhattacharya, B. 15, 55
Boccanfuso, D. 66
Bora, B. 33
border crossings 46
Botman, D.P.J. 218
Bougheas, S. 81
Bradford, S. 32, 35, 42
Brazil, costs of trade 21
bribery 63
Brooks, D. 2, 4, 22
Calderon, C. 16
Cambodia, access to water 9
Canada, banking industry 41
Canning, D. 218
Cassou, S.P. 218
causality 16
chemical industry, trade costs 90–92
Chile, banking industry 42
China, People’s Republic 9, 87
access to water in 173, 175
anti-dumping cases against 41
auto component industry 95
chemical industry 90, 92
costs of trade 21
electronics industry 95
financing of infrastructure investment 204, 205, 206–9, 216–19, 220–23, 231
food sector 90
machinery industry 93
steel industry 97
textile and clothing industry 92
trade 72
costs 102
Chisari, O. 66
Chu, T. 41
Clark, X. 4, 33, 81
clothing, see textile and clothing industry
commodities, general equilibrium
model of economy of Lao People’s Democratic Republic (PDR) 125
compliance costs 30
computable general equilibrium (CGE) models 66
Copenhagen Economics 42, 43
Corden, W.M. 18
corporate governance 61–3
corruption 60, 63–5
access to water and 192–5
cost, insurance and freight (CIF) 19, 152
costs
compliance costs 30
cost-creating effects of trade barriers 30, 35, 43
economic effects of non-tariff barriers 42–4
time costs 6, 21–2
trade costs 6, 54, 58, 65, 71–7, 102–4
Asia 22–3
data and methodology of study 82–7
estimation of trade costs for Asia 87–101
incentives to invest and 23–4 measurement 18–20
new trade theory and 77–82
regional co-operation and 17–18, 22–3
relative importance 87–101
significance 20–22
transaction costs 82
transport costs, see transport costs
customs 61
Davis, D. 80, 81
Dawson, J. 117
De, P. 19, 21, 23, 58, 81
Dean, J. 32, 35
Deardorff, A.V. 32, 33, 34, 35, 81
debt, financing of infrastructure investment and 10, 210, 230
Dee, P. 33, 44, 48
Dixit, A. 77
Djankov, S.C. 22, 82
Economic Cooperation Organization (ECO) 44, 45
economic growth
access to water and 191
infrastructure and 16–17
Edwards, C. 23
effective rate of protection (ERP) indicator 18
elasticity estimates, general equilibrium
model of economy of Lao People’s Democratic Republic (PDR) 127
electricity generation industry 34–5
electronics industry, trade costs 95
Elek, A. 42, 47
environmental Kuznets curve 175
equilibrium, model of financing of infrastructure investment 216
equity-market based corporate governance 62
Estache, A. 57, 64–5
Estevadeordal, A. 32, 41
European Union (EU) 72
accountancy services 42
banking industry 41
Evenett, S.J. 34
export documentation 102
facilitation of trade 3–4, 28–9, 103
definitions 29–31, 42
economic effects of non-tariff barriers 31–6
antimonde approach 32, 33–5
price comparison 35–6
rents v. costs 42–4
gains from reform 36–44
infrastructure and trade 36–41
implementation of measures 44–7
management 48–9
factors of production
factor abundance model 77
general equilibrium model of
economy of Lao People’s
Democratic Republic (PDR)
125–6
factor mobility and length of run
126
family-based corporate governance
62
Faris, R. 66
Feenstra, R.C. 34, 79
Ferroni, M. 162
financial markets 5
financing of infrastructure investment
9–10, 204, 230–31
aid programmes and financing water
and sanitation improvement
186–90
China 204, 205, 206–9, 216–19,
220–23, 231
India 204, 205–6, 209–11, 216–19,
223–30, 231
model 211
aggregation 215–16
calibration 216–19
equilibrium 216
firms and technology 212–14
foreign trade 215
government 214–15
households 211–12
simulations 219–30
Fink, C. 81
firms, model of financing of
infrastructure investment 212–14
food sector, trade costs 88–90
foreign direct investment (FDI) 7–8,
41, 143–4, 146
soft infrastructure and 55–7
Francois, J. 33, 80, 81
free on board (FOB) 19, 152
free trade agreements (FTAs) 73–4
frequency measures 33
Fujimura, M. 23
Fung, K.C. 55, 56
Garcia-Herrero, Alicia 55
Garg, S.C. 210
General Agreement on Tariffs and
Trade (GATT) 44
general equilibrium model of economy
of Lao People’s Democratic
Republic (PDR)
commodities 125
elasticity estimates 127
factor mobility and length of run
126
factors of production 125–6
households 126–7
industries 124–5
model closure 130–31
model structure 123–4
shocks 129–30
technology 126
transport costs 128–9
simulating effects on poor of
reductions in 129–37
governance 4, 59–61
access to water and 192–5
corporate 61–3
government, model of financing
of infrastructure investment
214–15
government and the state 59
effectiveness of 60
local, see local government
trade facilitation and 49
gravity model 32, 34, 41
Guasch, J.L. 32
Haller, L. 173, 186
Harrigan, J. 34
Head, K. 85
health expenditure, access to water
and 191–2
Heckscher–Ohlin–Samuelson (HOS)
model 77
Hertel, T. 43
Hill, H. 2
Hirschman, A. 16
Hoekman, B. 33
home market effect hypothesis 80
Hong Kong
chemical industry 90
electronics industry 95
food sector 90
textile and clothing industry
92
households
general equilibrium model of
economy of Lao People’s
Democratic Republic (PDR)
126–7
model of financing of infrastructure
investment 211–12
Human Poverty Index 173
Hummels, D. 6, 22, 81, 82, 103
Hutton, G. 173, 186

iceberg transport costs 77
Iizaka, Hitomi 55
incentives, trade costs and incentives to
invest 23–4
index measures 33–4
India
access to water in 173, 175
auto component industry 95, 96
financing of infrastructure
investment 204, 205–6, 209–11,
216–19, 223–30, 231
food sector 90
steel industry 99
trade 73
transport equipment industry 99
Indonesia
food sector 90
steel industry 99
industries
general equilibrium model of
economy of Lao People’s
Democratic Republic (PDR)
124–5
see also individual industries
inequality, access to water and 191
infrastructure 1, 9–11
benefits 6–7
computable general equilibrium
(CGE) models 66
growth and 16–17
incentives to invest and 23–4
quality 20, 84–5
regional co-operation and 2–3,
15–16, 24–5, 58, 66–7
soft, see soft infrastructure
trade and 36–41
international trade 1
costs 6, 54, 58, 65, 71–7, 102–4
Asia 22–3
data and methodology of study
82–7
estimation of trade costs for Asia
87–101
incentives to invest and 23–4
measurement 18–20
new trade theory and 77–82
regional co-operation and 17–18,
22–3
relative importance 87–101
significance 20–22
facilitation, see facilitation of trade
infrastructure and 36–41
model of financing of infrastructure
investment 215
new trade theory 77–82
investment, trade costs and incentives
to invest 23–4
Iran, access to water 187
Jalilian, H. 16
Japan 87
auto component industry 95
banking industry 41
chemical industry 90
electronics industry 95
food sector 90
‘new age’ agreement with Singapore
43
steel industry 97
textile and clothing industry 92
trade, costs 102
Kalirajan, K. 34, 35, 41, 42
Kaplinksy, R. 19
Kaufmann, Daniel 59, 60
Kawai, M. 15, 55
Kazakhstan 1
Almaty–Bishkek road agreement
46
Keller, W. 34
Khan, H.A. 54, 57, 58, 62, 66, 72
Korea 87
auto component industry 95, 96
banking industry 42
steel industry 97, 99
trade, costs 102
Kotlikoff, L.J. 217, 218, 223
Kraay, Aart 59
Krugman, P. 72, 77, 81
Index

Kyle, S. 121
Kyrgyz Republic, Almaty–Bishkek road agreement 46

Lao People’s Democratic Republic (PDR)
access to water 9
general equilibrium model of economy of commodities 125
elasticity estimates 127
factor mobility and length of run 126
factors of production 125–6
households 126–7
industries 124–5
model closure 130–31
model structure 123–4
shocks 129–30
simulating effects on poor of reductions in transport costs 129–37
technology 126
transport costs 128–9
infrastructure development 6–7
road development 115–16, 137–8
basic facts about road network 116–17
Northern Economic Corridor (NEC) Project 162–8
simulating effects on poor of reductions in transport costs 129–37
transport costs by road types 120–23
types of roads 117–19
Lassing, K.J. 218
law, rule of 60
Leuterio, E. 2
Levy, H. 121
Limao, N. 19, 20, 21, 58, 81, 83, 121, 146
loans, financing of infrastructure investment and 207
local government, financing of infrastructure investment and 206, 209–10
machinery industry, trade costs 93–4
McIntosh, A. 174, 192, 195
Mahadevia, D. 209, 210
Malaysia
banking industry 42
steel industry 99
Manchin, M. 81
Mastruzzi, Massimo 59
Mekong region, road infrastructure and regional economic integration 143–4, 168–9
conceptual framework and alternative analytical approaches 144–6
econometric analysis 146–62
issue of benefit–cost incidence 162–8
Mesquita, M. 21
Millennium Development Goals 173
Minten, B. 121
Moenius, J. 32, 35, 41
Mongolia
access to water 9
monopolies 64
Mukhopadhyay, P. 211
Myanmar, access to water 187
Navajas, F. 66
‘new age’ agreement 43, 48
new trade theory 77–82
New Zealand 45
Ng, F. 22, 23, 58
non-tariff barriers 29, 71
economic effects 31–6
antimonde approach 32, 33–5
price comparison 35–6
rents v. costs 42–4
regulation and 32–3, 41–2
Nordås, H.K. 81, 86
Obstfeld, M. 80
origin, rules of 41
Otsuki, T. 32

Pacific Agreement for Closer Economic Relations (PACER) 44, 45
Pakistan, access to water in 175
Pedroni, P. 218
Piermartini, R. 81, 86
political stability 60
population, access to water and 196
ports 2, 4
poverty
  effects on poor of reductions in transport costs 129–37
  Human Poverty Index 173
preferential trade and investment agreements 5, 48
prices, economic effects of non-tariff barriers and 35–6
private sector
  financing of infrastructure investment and 207, 209, 210–11
  public–private partnerships (PPP) 5, 62–3
privatization 5
  access to water and 192
  production, supply chains 2
Prusa, T. 41
public expenditure
  access to water and 191–2
  financing of infrastructure investment and 206–7, 209–10, 222–3, 226, 230
public–private partnerships (PPP) 5, 62–3
quality of infrastructure 20, 84–5
Radelet, S. 143
Redding, S. 81, 143
regional co-operation 54–5, 65
  access to water and 196–8
  infrastructure and 2–3, 15–16, 24–5, 58, 66–7
  motivating future work on 55–7
  road development and 143–4, 168–9
  conceptual framework and alternative analytical approaches 144–6
  econometric analysis 146–62
  issue of benefit–cost incidence 162–8
  soft infrastructure and role of institutions in 57–8
  trade cost and 17–18, 22–3
regulation
  non-tariff barriers and 32–3, 41–2
  regulatory quality (RQ) 60, 61
  rent-creating effects of trade barriers 30, 35, 43
Rijsberman, F. 173, 186
road development 6–8, 115–16, 137–8, 153
  Almaty–Bishkek road agreement 46
  effects on poor of reductions in transport costs 129–37
  Northern Economic Corridor (NEC) Project 162–8
  regional economic integration and 143–4, 168–9
  conceptual framework and alternative analytical approaches 144–6
  econometric analysis 146–62
  issue of benefit–cost incidence 162–8
  road quality and transport costs 116–23
  simulating effects on poor of reductions in transport costs 129–37
Rodrik, D. 16
Rogoff, K. 80
Roland-Holst, D. 144, 146
rule of law 60
rules of origin 41
Sachs, J. 143
Samuelson, P.A. 77
Sandler, T. 198
  savings 210, 222
Secretario, F.T. 124
Sen, Amartya 57
Serven, L. 16
shipping charges 75–6
shocks, general equilibrium model of economy of Lao People’s Democratic Republic (PDR) 129–30
Sidorenko, A. 48
Singapore 1
  banking industry 42
  food sector 90
'new age' agreement with Japan 43
Siu, Alan 55
Slade, M. 35
social accounting matrix (SAM) 66
social overhead capital 16
soft infrastructure 4–5, 54, 55–7, 65
components 58–65
corporate governance 61–3
corruption 60, 63–5
governance 59–61
regional co-operation and 57–8
Spiller, P. 32
Sri Lanka, access to water 187
standards 41
Starkey, P. 122
steel industry, trade costs 97–9
Steiner, F. 35
Stern, R.M. 32, 33, 35
subsidies 5
Suominen, K. 32, 41
supply chains 2
Swann, P. 32, 33
Switzerland, banking industry 41
Taipei, China, chemical industry 90
Tajikistan, access to water 9
tariffs 29, 71
taxation, financing of infrastructure investment and 10, 206–7, 209, 222–3, 226, 230
technology
general equilibrium model of economy of Lao People’s Democratic Republic (PDR) 126
model of financing of infrastructure investment 212–14
technological changes 5
telecommunications industry 34
textile and clothing industry, trade costs 92–3
Thailand
auto component industry 95, 96
banking industry 42
food sector 90
time costs 6, 21–2
trade, see international trade
transaction costs 82
transport costs 20–21, 71, 152
general equilibrium model of economy of Lao People’s Democratic Republic (PDR) 128–9
simulating effects on poor of reductions in transport costs 129–37
iceberg transport costs 77
measurement 83–4
new trade theory and 77–82
road quality and 116–23
by road types 120–23
transport equipment industry, trade costs 99
triangle gains of trade 30
Turkmenistan, access to water 9
United Nations 195
Conference on Trade and Development (UNCTAD) 29
United States of America, standard setting in 41
Universal Declaration on Human Rights 195
van Wincoop, E. 6, 17, 20, 34, 65, 71, 78, 79–80, 85
Venables, A. 19, 20, 21, 58, 73, 77, 81, 83, 121, 143, 146
Vietnam, access to water 9
violence, absence of 60
voice 60
Walkenhorst, P. 42, 43
Warr, P. 123
Warren, T. 34
water, access to 8–9
aid programmes and financing water and sanitation improvement 186–90
Asia and the Pacific 175–80
scarcity and 195–6
study of 173–4
aims and objectives 174
data and methodology 174
forecasting progress 180–86
implications and priorities for regional co-operation 196–8
limitations and issues for further research 198
role of policy variables 191–6
Weiss, J. 16, 54, 57, 58, 66, 72
Whalley, J. 33
Wilson, J.S. 32, 36, 81
Winpenny, J. 186
World Bank 80, 82
governance and 59
World Trade Organization (WTO) 3, 28, 81–2
trade facilitation and 44
Yasui, T. 42, 43
Yeats, A.J. 21, 22, 23, 58
Yemen, access to water 9
Yniguez, C. 174, 192, 195
Yoo, J. 32
Zhou, Y.M. 209