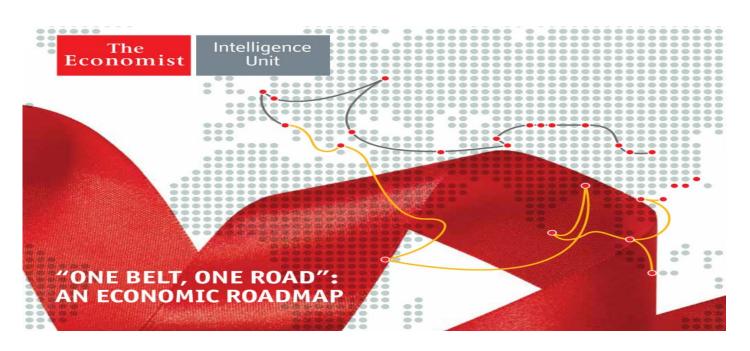
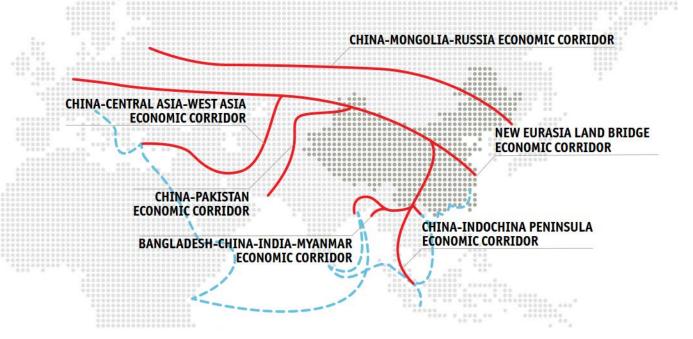
# 台灣對世界財經政策變化所面臨的挑戰 -- 談一帶一路



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### Introduction



#### 000000 "One Belt, One Road": an economic roadmap 0 ......... Africa 000000000 ................... 0000000 0000000000 00000 ........ 0000 -0 0000 di 0000 0000 000 00 0.000 0 00 0 0 00 00 0000 0.0 00.000 000 0.0 00 00 0000 ..... 00 00 000000 .... 0000 0 00000000 00001 .... 000000 000000 0 ..................... **TANZANIA** 0.0 0 00 000 01 000 00000 0000 0 000 01 00 00 00000000000000000 **ZIMBABWE** 000 ..............

#### Africa table 1: awarded PPP infrastructure projects in Kenya & Tanzania

<b>.</b>	D 1 1	6 1		Investment	Yea
Country	Project	Sector	Segment	(US\$ m)	awarded
Kenya	Lamu Coal Power Plant	Energy	Electricity generation	2,000	2014
Kenya	Aldwych Lake Turkana Wind Farm	Energy	Electricity generation	635	2014
Kenya	175 km road concession	Transport	Road	325	2015
Kenya	Kwale Sugar plantation	Energy	Electricity generation	200	2013
Kenya	Triumph HFO Power Plant	Energy	Electricity generation	140	2012
Tanzania	Symbion Rental Ubungo Power Plant	Energy	Electricity generation	129.4	2011
Kenya	Thika Thermal Power Project	Energy	Electricity generation	112	2012
Kenya	GEL Heavy Fuel Oil Fired Power Plant	Energy	Electricity generation	95.5	2014
Kenya	Aggreko Westen Kenya Temporary Power Station	Energy	Electricity generation	4.7	2011
Tanzania	Symbion Dodoma Power Plant	Energy	Electricity generation	4.7	2011
Tanzania	Smart Telecom	Telecom	Mobile access	-	2014
Tanzania	Smile Telecom Tanzania (I, II, III)	Telecom	Mobile access	-	2012
Tanzania	Aggreko Ubungo and Tegeta Power Station	Energy	Electricity generation	-	2011

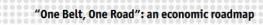
Sources: World Bank; InfraPPP; The Economist Corporate Network.

#### Africa table 3: other infrastructure projects in progress

Country	Project	Sector	Stage
Kenya	Magwagwa multipurpose dam	Energy	Planning
Kenya	Mombasa offshore loading and offloading jetty	Energy	Planning
Kenya	Nairobi Solid Waste Management	Energy	Planning
Kenya	Tana Delta irrigation sugar project	Energy	Planning
Tanzania	Mkuranga power plant in Tanzania	Energy	Planning
Tanzania	Southern Energy Power Project	Energy	Partially completed
Kenya	JKIA food courts	Social & health	Partially completed
Kenya	Bomas first-class hotel	Social & health	Planning
Kenya	Bomas International Convention and Exhibition Centre	Social & health	Planning
Kenya	Egerton University student accommodation	Social & health	Planning
Kenya	Embu University College student accommodation	Social & health	Planning
Kenya	Equipment lease and infrastructure improvement	Social & health	Planning
Kenya	Five university hostels	Social & health	Planning
Kenya	Kenyatta National Hospital	Social & health	Planning
Kenya	Maseno University student accommodation	Social & health	Planning
Kenya	Oxygen plant	Social & health	Planning
Kenya	Police and prison housing units	Social & health	Planning
Kenya	South Eastern Kenya University student accommodation	Social & health	Planning
Kenya	South Eastern Kenya University student accommodation	Social & health	Planning
Kenya	Civil servants' housing	Social & health	Tendering
Kenya	Nairobi city county housing	Social & health	Tendering
Kenya	Nairobi city county housing, 2	Social & health	Tendering
Kenya	ICT Services at Kenyatta National Hospital (KNH)	Telecom	Planning
Kenya	Conversion of Berths 11-14 into container terminals	Transport	Planning
Kenya	Dongo Kundu special economic zone (SEZ)	Transport	Planning
Kenya	Dualling of Nairobi-Nakuru road	Transport	Planning
Kenya	Export quarantine station and livestock export zone	Transport	Planning

Country	Project	Sector	Stage
Kenya	Government Flying School	Transport	Planning
Kenya	Integrated Marine Transport System (IMTS)	Transport	Planning
Kenya	Lamu Port development	Transport	Planning
Kenya	Likoni multi-storey terminal	Transport	Planning
Kenya	Mombasa-Nairobi highway expansion	Transport	Planning
Kenya	Multi-level car park facility in Mombasa	Transport	Planning
Kenya	Multi-level ferry terminal PPP in Mombasa	Transport	Planning
Kenya	Nairobi-Thika road	Transport	Planning
Kenya	Nairobi commuter rail	Transport	Planning
Kenya	JKIA Terminal 2, greenfield development	Transport	Planning
Kenya	Nairobi southern bypass	Transport	Planning
Kenya	Shimoni Port	Transport	Planning
Tanzania	Dry port of Kisarawe North	Transport	Planning
Kenya	Roads Annuity Programme: 3,000 km Phase 1	Transport	Tendering
Kenya	Multi-level parking at Sunken	Transport	Tendering
Kenya	Multi-storey car park & commercial facility within Nairobi CBD	Transport	Tendering
Tanzania	Dar Es Salaam port container terminal	Transport	Tendering
Tanzania	Four new berths at Mtwara port	Transport	Tendering
Tanzania	New port at Mwambani Bay-Tanga	Transport	Tendering
Tanzania	Oil terminal jetty at Kigamboni in Dar es Salaam Port	Transport	Tendering
Kenya	Arror multipurpose dam	Water & waste	Planning
Kenya	Mombasa solid waste management	Water & waste	Planning
Kenya	Munyu multipurpose and greater Kibwezi irrigation project	Water & waste	Planning
Kenya	Mwache Multipurpose Dam	Water & waste	Planning
Kenya	Nairobi bulk water supply	Water & waste	Planning
Kenya	Nakuru solid waste management	Water & waste	Planning
Kenya	Nandi forest multipurpose dam	Water & waste	Planning
Kenya	Tana Delta irrigation project	Water & waste	Planning
Kenya	Lower Turkwel irrigation	Water & waste	Tendering
Kenya	Kajiado county waste management	Water & waste	Tendering
Cources In	Fra DDD: The Economict Cornerate Network		

Sources: InfraPPP; The Economist Corporate Network.





#### Central Asia table 1: recent infrastructure projects, Turkey

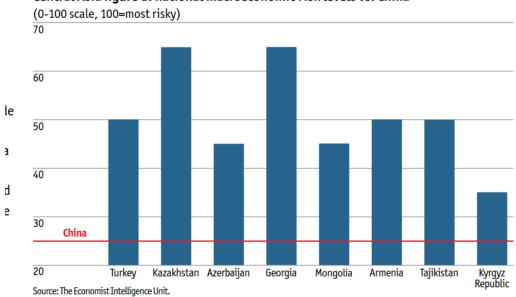
			Investment	
Country	Project	Sector	(US\$ m)	Stage
Turkey	Istanbul third airport	Transport	6,810	Financial close
Turkey	J	Transport	6,000	Financial close
Turkey	North Marmara highway; Third Bosphorus Bridge	Transport	2,500	Financial close
Turkey	Northern Marmara motorway, Kurtkoy- Akyazi section	Transport	2,000	Tendering
Turkey	Northern Marmara motorway, Kinali- Odayeri section	Transport	2,000	Tendering
Turkey	Ankara-Nigde motorway	Transport	1,500	Planning
Turkey	Ankara Etlik Health Campus	Social & health	1,200	Financial close
Turkey	Bilkent Integrated Healthcare Campus	Social & health	1,200	Financial close
Turkey	Bosphorus Tunnel	Transport	1,000	Financial close
Turkey	Ankara-Kirikkale-Delice motorway; Kirik- kale ring road	Transport	825	Planning
Turkey	Milas-Bodrum Airport terminals	Transport	807	Operational
Turkey	Dalaman Airport	Transport	800	Financial close
Turkey	Mersin International Port	Transport	755	Operational
Turkey	Gaziantep Integrated Health Campus	Social & health	750	Awarded
Turkey	Izmir-Bayrakli Integrated Health Campus	Social & health	718	Awarded
Turkey	Adana Integrated Health Campus	Social & health	597	Financial close
Turkey	Derince Port	Transport	543	Awarded
Turkey	Istanbul Sabiha Gokcen Airport	Transport	530	Operational
Turkey	Instanbul-Ikitelli Integrated Health Campus	Social & health	511	Awarded
Turkey	Golden Horn Port	Transport	500	Awarded
Turkey	Kocaeli Integrated Health Campus	Social & health	477	Awarded
Turkey	Cukurova Airport	Transport	470	Tendering
Turkey	Kayseri Integrated Health Campus	Social & health	463	Financial close
Turkey	Asya Port trans-shipment container terminal	Transport	413	Financial close
Turkey	Istanbul Salipazari Cruise Port	Transport	350	Awarded
Turkey	Konya Hospital	Social & health	349	Financial close
Turkey	Izmir Airport	Transport	347	Financial close
Turkey	Petlim container terminal	Transport	300	Financial close
Turkey	Eskisehirr City Hospital	Social & health	290	Financial close
Turkey	Yozgat Education and Research Hospital	Social & health	121	Financial close
Turkey	Mersinli Wind Energy Project	Energy	80	Planning
Turkey	Mersin Integrated Health Campus	Social & health	-	Financial close
Turkey	Ankara TPHA+TPMDA Campus	Social & health	-	Awarded
Turkey	Bakirkoy Integrated Health Campus	Social & health	-	Tendering
Turkey	Istanbul Uskudar Public Hospital	Social & health	-	Tendering
Turkey	Physical therapy, psychiatry and high- security forensic psychiatry hospitals	Social & health	-	Tendering
Turkou	Ankara high coood train station	Transport		Tondoring

#### Central Asia table 2: recent infrastructure projects, ex-Turkey

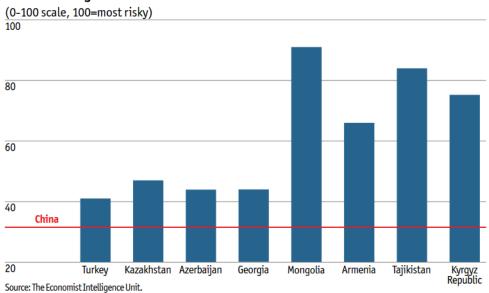
		•	Investment	
Country	Project	Sector	(US\$ m)	Stage
Azerbaijan/ Georgia/Turkey	Shah Deniz II gas field	Energy	28,000	Construction
Uzbekistan/ Tajikistan/Kyrgyz Republic/China	Central Asia-China Gas Pipeline, Line D	Energy	6,700	Construction
Mongolia	Oyu Tolgoi mine	Mining	4,400	Planning
Kazakhstan	Centre South Road Corridor	Transport	2,563	Planning
Georgia	Anaklia Deep Water Sea Port	Transport	2,500	Awarded
Armenia	North-South Road Corridor Investment Programme	Transport	1,500	Construction
Mongolia	Trans-Mongolian Rail, Ovoot extension	Transport	1,300	Planning
Mongolia	Ulaanbaatar Thermal Power Plant No. 5	Energy	1,200	Construction
Georgia	Anaklia Port upgrade	Transport	1,000	Tendering
Kazakhstan	Almaty ring road	Transport	680	Tendering
Georgia	Tbilisi Cluster Healthcare Transformation Project	Social & health	500	Awarded
Kyrgyz Republic	Kara-Balta oil refinery	Energy	430	<b>Operational</b>
Georgia	Shuakhevi Hydropower Plant	Energy	417	Construction
Kazakhstan	Almaty light rail system	Transport	300	Planning
Armenia	Vorotan Hydropower Plant	Energy	250	Construction
Georgia	East-West Highway E-60, Rikoti Tunnel east portal	Transport	210	Procurement
Georgia	Anadolu Paravani Hydropower Plant	Energy	157	Construction
Mongolia	Newcom Salkhit Wind Farm	Energy	120	<b>Operational</b>
Georgia	Inter Rao Khrami Hydropower Plant, 1 & 2	Energy	104	<b>Operational</b>
Kyrgyz Republic	KyrgyzgazGazprom	Energy	40	Acquisition
Georgia	Ostelecom	Telecom	16	<b>Operational</b>
Kazakhstan	Kyzylorda water supply and wastewater management	Water & waste	14	Planning
Kazakhstan	Ust-Kamenogorsk kindergarten system development	Social & health	-	Tendering
Kazakhstan	Astana on-street parking	Transport	-	Planning
Kyrgyz Republic	Bishkek automated fare collection system	Transport	-	Planning
Georgia	Kvemo Kartli Solid Waste Management	Water & waste	-	Planning
Kazakhstan	Aktau Desalination Plant	Water & waste	-	Awarded

Sources: CG/LA; CNPC; InfraPPP; BP; Rio Tinto; SourceWatch; SNCO.

#### Central Asia figure 1: national macroeconomic risk levels vs. China



#### Central Asia figure 2: national infrastructure risk levels vs. China

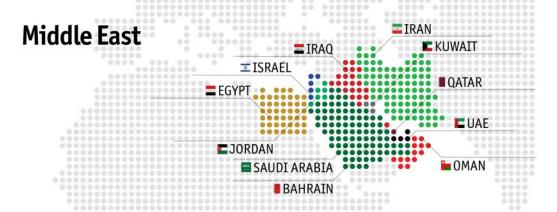




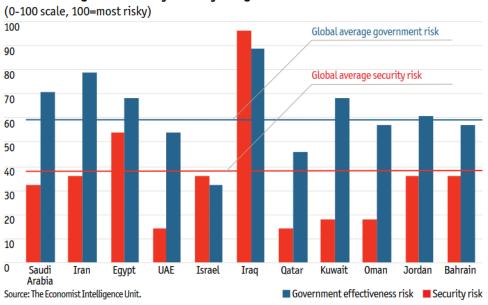
#### Eastern Europe table 1: select projects in Eastern Europe's infrastructure pipeline

Country	Project	Sector	Investment (US\$ m)	Stage
Romania	Cernavoda nuclear power plant, units 3 and 4	Energy	7,800	Planning
Hungary/Macedonia/Serbia	Budapest-Belgrade high-speed railway	Transport	2,900	Signed
Italy/Albania/Greece	Trans Adriatic Pipeline	Energy	2,000	Pre-Construction
Romania	Bucharest metro rail, Line 7	Transport	2,000	Tendering
Romania	Bucharest elevated highway	Transport	2,000	Planning
Romania	Comarnic-Brasov motorway	Transport	1,626	Awarded
Poland	Swinoujscie liquid natural gas terminal	Energy	1,100	Completed
Hungary	M6 Tolna motorway	Transport	739	Operational
Finland/Estonia/Latvia/Lithuania/Poland	Rail Baltica	Transport	540	Design
Czech Republic	R7 expressway	Transport	352	Planning
Macedonia	Skopje tram	Transport	335	Tendering
Poland	Gdansk container terminal, second deep-water berth	Transport	322	Financial close
Poland	Lodz waste-to-energy incineration plant	Water; Energy	305	Planning
Poland	Gdansk waste-to-energy incineration plant	Water; Energy	305	Planning
Czech Republic	R4 expressway	Transport	303	Planning
Ukraine	Boryspil Airport	Transport	280	Planning
Romania	Bucharest South Airport	Transport	271	Planning
Poland	Poznan waste project	Water & waste	242	Financial close
Albania	Tirana-Dibra Arber Highway	Transport	225	In construction
Poland	Olsztyn waste-to-energy project	Energy	222	Tendering
Moldova	Chisinau Airport redevelopment	Transport	189	Planning
Poland	Wloclawek road system	Transport	133	Tendering
Poland	Gdansk Trasa Sucharskiego road	Transport	130	Operational
Ukraine	Yuzhny Grain Port Terminal	Transport	130	Awarded
Ukraine	Odessa Port grain terminal project	Transport	125	Financial close
Poland	LKS Lodz Stadium	Social & health	115	In Construction
Macedonia	Drisla-Skopje landfill	Water & waste	101	Project signed
Albania	Milot-Morine highway	Transport	100	Tendering
Macedonia	Eastern and western natural gas distribution network	Energy	66	Planning
Poland	Krosno highway	Transport	63	Planning
Albania	Tirana transport terminal	Transport	56	Tendering
Poland	Zywiec general hospital	Social & health	50	Financial close
Poland	Sopot Rail Station	Transport	35	Financial close
Poland	Nowy Sacz District Court	Social & health	33	Financial close
Poland	Niepolomice school upgrade	Social & health	25	Tendering
Poland	Jagiellonian University student housing	Social & health	24	Financial close
Romania	Buzau urban road, management & rehabilitation	Transport	24	Tendering
Poland	Opole underground parking	Transport	23	Tendering
Czech Republic	Elizabeth Baths Spa revitalisation	Social & health	14	Tendering
Poland	Minsk Mazowiecki District Hospital	Social & health	13	Planning

#### "One Belt, One Road": an economic roadmap



#### Middle East figure 1: country security and government risk levels

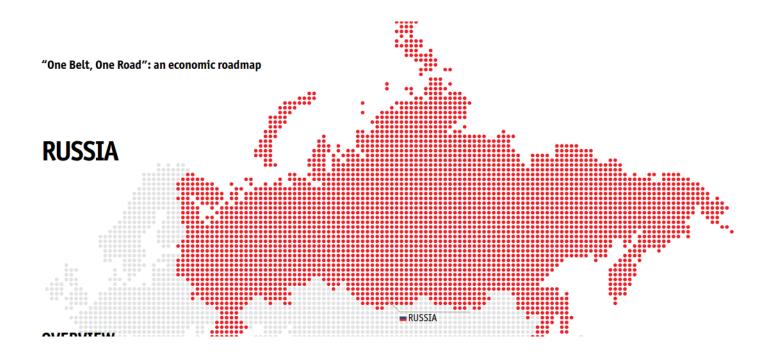


#### Middle East table 1: select projects in the Middle East's infrastructure pipeline

Bahrain	Liquid natural gas receiving	-		Stage	country	Project	Sector	(US\$ m)	Stage
		Energy	655	Signed	Iran	West Ethylene Pipeline	Energy	5,500	Operational
	and regasification terminal	c '101 III	150	e ::::	Iran		Energy	3,500	In construction
		Social & health	450	Financial close		22–24	F	2 200	DI .
	Asry desalination plant upgrading	Water & waste	9	Signed	Iran	Neka-Jask oil pipeline	Energy	3,300	Planning
	Bahrain waste-to-energy	Energy	-	Tendering	Iran	Tehran-Isfahan HSR	Transport	2,700	In construction
	project				Iran	South Pars gas field, Phases 17 & 18 (onshore)	Energy	2,500	In construction
	Dabaa nuclear power and desalination plant	Energy; Water	11,500	Planning	Iran	South Pars gas field, Phases 13 & 14 (onshore)	Energy	2,500	In construction
	Alexandria-Aswan High- speed Railway (HSR)	Transport	10,000	Feasibility study	Iran	Bandar Abbas gas conden- sate refinery expansion	Energy	2,500	Planning
Egypt	Cairo Metro, Line 4	Transport	3,600	Tendering	Iran	Tehran Airport upgrade	Transport	2,200	Planning
	Abu Rawash wastewater treatment plant	Water & waste	636	Awarded	Iran	Chabahar-Zahedan-Mashhad railway		570	Planning
	New Cairo wastewater treat-	Water & waste	472	Financial close	Iran	Chabahar Port	Transport	255	Planning
Egypt	ment plant Helwan wastewater treat-	Water & waste	250	Planning	Iran	Lengeh and Kong wastewater treatment	<u> </u>	12	In construction
	ment		201		Iran	Mashhad and Isfahan	Transport	-	Planning
331	Alexandria hospital	Social & health	224	Financial close		airports			
	Nile River Bus Ferry	Transport	68	Planning	Iran	Bandar-E-Imam-to-Tabriz	Transport	-	Feasibility
331	Nile Schools Project Alexandria and Dekheila			Planning		transportation corridor roadway			study
	ports on the Nile Delta	Transport	-	Operational	Iran	Dez hydropower plant	Energy	-	Planning
Egypt	Abu Tartour mining port	Transport	-	Planning	Iran,	Chabahar-Gujarat subsea gas	Energy	4,500	Planning
	El-Alamein water desalina-	Water & waste	-	Planning	India	pipeline			
	tion				Iraq	Faw Peninsula port project	Transport	7,950	Tendering
331	Cairo Bus Rapid Transit	Transport	-	Planning	Iraq	Bismayah New City	Social & health	6,000	In construction
	Safaga sea water desalina- tion plant	Water & waste	-	Planning	Iraq	Baghdad metro rail expan- sion	Transport	3,000	Planning
	Nile River freight transport project	Transport	-	Planning	Iraq	North-South water distribution and treatment rehabilitation	Water & waste	1,100	In construction
	El-Tor sea water desalination plant		-	Planning	Iraq	Transport Corridors Project, Phase 1	Transport	1,000	Planning
	Commercial registry office development	Social & health	-	Tendering	Iraq	Um-Qasr Port, berth expan-	Transport	500	Planning
	Maadi Technology Park	Social & health	-	Tendering	T	Sion	Transas-t	500	Dlamain -
	Sharm el-Sheikh yacht marina	Transport	-	Tendering	Iraq	Khor Al-Zubair, berth expansion		500	Planning
Egypt	Damietta Port, new terminal	Transport	-	Tendering	Iraq	Um-Qasr Port, container project	Transport	130	Signed
	Dekheila Port, dirty bulk terminal	Transport	-	Tendering	Iraq	Erbil, Sulaymaniyah, Duhok and Halabja water and waste	Water & waste	-	In construction
	Dekheila Port, bulk grain terminal	Transport	-	Tendering		treatment	Fnorm	12 000	Dlanning
	Alexandria third container terminal	Transport	-	Tendering	Iraq, Jordan	Iraq-Jordan oil pipeline	Energy	12,000	Planning
	Safaga Port	Transport	-	Tendering	Israel	Cross Israel Northern Highway	Transport	800	Tendering
331	Eltoor Port	Transport	-	Tendering	Israel		Transport	380	Tendering

#### Middle East table 1: select projects in the Middle East's infrastructure pipeline (continued)

Israel, R Jordan p Jordan M a	project, Phase 1 North Shouneh, Amman civil and King Hussein airports As-Samra wastewater treat-	Water & waste	800	Awarded	Saudi Arabia	Jubail Industrial City,	Mixed	80,000	In construction
Jordan N	project, Phase 1 North Shouneh, Amman civil and King Hussein airports As-Samra wastewater treat-		800		Alabia	Phase 2			
a	and King Hussein airports As-Samra wastewater treat-	Transport		Tendering	Saudi Arabia	Rabigh King Abdullah Economic City	Mixed	27,000	In construction
Jordan A			315	Planning	Saudi Arabia	Jazan Economic City	Mixed	27,000	In construction
	ment plant	Water & waste	225	Financial close	Saudi Arabia	Mecca Grand Mosque (Masjid al-Haram) expansion	Social & health	24,400	In construction
	Amman street lighting, Phase 1	Energy	-	Tendering	Saudi Arabia	Riyadh metro rail, Lines 1-6	Transport	22,000	In construction
	Amman Solid waste-to- energy plant	Energy	-	Tendering	Saudi Arabia	Jeddah metro rail, Lines 1-3	Transport	8,500	In construction
Kuwait K	Kuwait Airport, expansion	Transport	4,800	Pre-construc- tion	Saudi Arabia	Jeddah King Abdulaziz International Airport, new	Transport	7,200	Planning
p	Umm Al Hayman wastewater project		1,800	Tendering	Saudi Arabia	terminal and tower Saudi Land Bridge	Transport	7,000	Planning
V	Az-Zour North independent water and power producer (IWPP), Phase 1	Water; Energy	1,800	In construction	Saudi Arabia	Madinah Knowledge Eco- nomic City	Mixed	7,000	In construction
	Kuwait Schools Development Program	Social & health	-	Tendering	Saudi Arabia	Riyadh and Jeddah, Security Forces Medical Complexes	Social & health	6,700	In construction
Kuwait A	Al-Jahra Labor City	Social & health	-	Tendering	Saudi	King Abdullah Port expan-	Transport	2,000	In construction
Kuwait A	Az-Zour North IWPP, Phase 2	Water; Energy	-	Tendering	Arabia	sion			
Kuwait K	Kabd municipal solid waste	Water & waste	-	Tendering	Saudi Arabia	Jeddah Kingdom Tower	Social & health	1,230	In construction
Kuwait A	Al-Khairan IWPP	Energy	-	Tendering	Saudi	Mecca King Abdullah Medical	Social & health	1,200	Completed
	Egaila services and enter- tainment centre	Social & health	-	Tendering	Arabia Saudi	City			In construction
Kuwait K	Kuwait hospital project	Social & health	-	Tendering	Arabia	Northern Border Security Project	Social & health	1,000	III COIISTIUCTIOII
	Southern area wastewater plant	Water & waste	-	Tendering	Saudi Arabia	Al Khafji solar-powered- desalination plant	Water & waste	130	In construction
	Kuwait metro rolling stock and systems	Transport	-	Tendering	Saudi Arabia	Riyadh Airport, operations privatisation	Transport	-	Planning
Oman D	Duqm Refinery	Energy	6,000	Procurement	Saudi	Dammam Airport, operations	Transport	-	Planning
	Diba-Lima-Khasab road project	Transport	1,000	Tendering	Arabia Saudi	privatisation Taif Airport	Transport	-	Tendering
Oman B	Barka water project	Water & waste	300	Financial close	Arabia				
Oman A	Al Ghubrah water project	Water & waste	300	Financial close	Saudi Arabia	Duba 1 Independent Power Plant	Energy	-	Tendering
n	Duqm permanent accom- modation for contractors project	Social & health	195	Financial close	UAE	Mohammed bin Rashid Al Maktoum Solar Park	Energy	3,300	In construction
		Water & waste	-	Tendering	UAE	Abu Dhabi Airport midfield	Transport	2,900	Financial close
		Water & waste	-	Tendering		terminal	•		
		Water & waste	-	Tendering	UAE	Mirfa IWPP	Water, Energy	1,500	Financial close
		Water & waste	_	Signed	UAE	Fujairah desalination plant	Water & waste	200	Awarded
		Water & waste	-	Awarded	HAF	expansion	Comin O honly		Tondorina
		Transport	-	Signed	UAE	Union Oasis mixed-use PPP project	Social & health	-	Tendering
	Lusail City	Mixed	45,000	Planning	UAE	Dubai Route 2020 metro	Transport	-	Planning



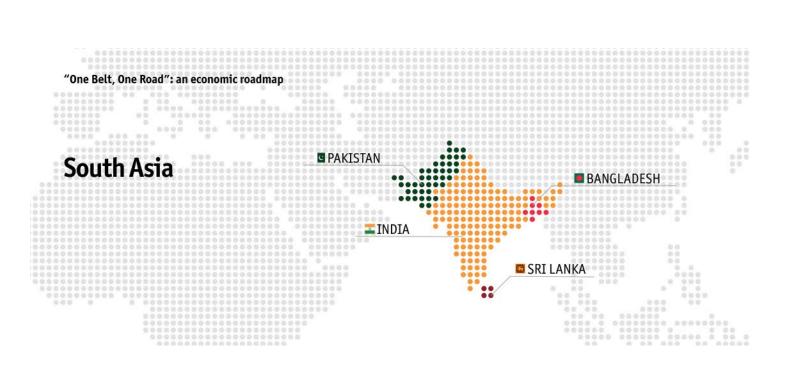
#### Russia table 1: awarded PPP infrastructure projects by value

	a tubte 11 amaraca i i i	astracta	ie projects	by raide	
				Investment	Year
Country	Project	Sector	Segment	(US\$ m)	awarde
Russia	Power of Siberia	Energy	Gas pipeline	55,000	2014
Russia	OJSC Tomsk Distribution Company	Energy	Electricity distribution	4,400	2011
Russia	Freight One	Transport	Railroad	4,271	2011
Russia	Western high-speed diameter highway	Transport	Highway	3,900	2012
Russia	Lena River bridge	Transport	Bridge	1,700	2014
Russia	Bovanenkovo-Sabetta railway	Transport	Railroad	1,510	2016
Russia	Vyshny Volochek Bypass M11	Transport	Highway	1,421	2014
Russia	Moscow Central ring road concession, first section	Transport	Highway	1,390	2014
Russia	Volgograd water communal infrastructure concession	Water & waste	Water	1,200	2015
Russia	Moscow Central ring road, fifth section	Transport	Highway	925	2014
Russia	Kutuzovsky Northern bypass	Transport	Highway	848	2015
Russia	Kutuzovsky Northern bypass toll road	Transport	Highway	775	2015
Russia	M3 highway: section km 124-194	Transport	Highway	375	2014
Russia	Kurumoch International Airport Development Project	Transport	Airport	348	2012
Russia	St. Petersburg: Municipal Hospital No. 40	Social & health	Healthcare facility	247	2016
Russia	Levashovo waste treatment plant	Water & waste	Waste	240	2014
Russia	Voronezh Water Utility	Water & waste	Water & waste	100	2012
Russia	AltEnergo Belgorod Biogas Plant 1	Energy	Electricity generation	13	2012

Sources: World Bank; InfraPPP; The Economist Corporate Network.

#### Russia table 2: infrastructure projects in progress by value

Country	Project	Sector	(US\$ m)	Stage
Russia	Moscow-Kazan high-speed rail	Transport	16,400	Planning
Russia	Power of Siberia 2	Energy	12,000	Tendering
Russia	Belkomur railway line	Transport	6,000	Planning
Russia	St Petersburg Western High-Speed Diameter toll road: central section	Transport	4,056	Financial close
Russia	Small Ring of the Moscow Railway (MRR)	Transport	3,200	Planning
Russia	Moscow Central Ring Road concession: third section	Transport	1,713	Tendering
Russia	M-11 Moscow-St Petersburg highway: km 543-684 km	Transport	1,710	Financial close
Russia	Moscow Central Ring Road concession: fourth section	Transport	1,700	Tendering
Russia	M-11 Moscow-St Petersburg highway: km 208-km 258	Transport	755	Tendering
Russia	River Kama bridge concession (Udmurtia Republic)	Transport	427	Financial close
Russia	Eastern bypass for Khabarovsk	Transport	419	Tendering
Russia	St Petersburg Neva water project	Water & waste	400	Tendering
Russia	Orsk Oncology Centre	Social & health	30	Financial close
Russia	Leningrad Regional Medical Rehabilitation Centre	Social & health	-	Planning
Russia	M-11 Moscow-St Petersburg highway: km 58- km 149	Transport	-	Planning
Russia	Taman port dry cargo district	Transport	-	Planning
Russia	Sheremetyevo International Airport Northern Terminal	Transport	-	Planning



#### South Asia table 1: recent transportation infrastructure projects of US\$250m and above, India

Country	Project	Sector	Investment (US\$ m)	Stage
India	Ahmedabad-Mumbai high-speed rail	Transport	15,000	Awarded
India	Pune-Mumbai-Ahmedabad high-speed rail	Transport	10,000	Planning
India	Churchgate – Virar corridor of Mumbai elevated suburban rail	Transport	3,700	Tendering
India	Hyderabad metro rail	Transport	2,600	Financial close
India	Patna Metro	Transport	2,600	Planning
India	Navi Mumbai International Airport	Transport	2,280	Tendering
India	Jaipur Metro	Transport	1,850	Tendering
India	Mumbai Trans Harbour Link	Transport	1,580	Tendering
India	Jaipur Metro phase II	Transport	1,567	Planning
India	Fourth container terminal at Mundra Port	Transport	1,300	Signed
India	Jawaharlal Nehru Port fourth terminal	Transport	1,300	Signed
India	Six laning of Kishangarh-Udaipur-Ahmedabad Section of National Highway (NH) 76, 79, 79A and 8	Transport	1,236	Financial close
India	Vizhinjam Port container terminal	Transport	1,183	Awarded
India	Versova-Bandra Sea Link	Transport	979	Tendering
India	Multi-Cargo Terminal at Chennai Port	Transport	814	Tendering
India	Mopa Airportin Goa	Transport	732	Tendering
India	Development of Tatadi Port	Transport	704	Tendering
India	Four laning of the Shivpuri-Dewas section of NH-3	Transport	659	Planning
India	Western dedicated freight corridor	Transport	635	Tendering
India	4/6 laning of Bhavnagar-Veraval section of NH-8E	Transport	623	Tendering
India	Zozila Tunnel	Transport	542	Financial close
India	Four Laning of Baharagora - Sambalpur Section of NH-6	Transport	530	Tendering
India	Chennai monorail	Transport	520	Tendering
India	Four laning of Yedeshi - Aurangabad section of NH-211	Transport	505	Financial close
India	Six laning of Gurgaon-Kotputli-Jaipur section of NH-8	Transport	468	Financial close
India	Four laning of Parwanoo- Shimla section of NH-22	Transport	445	Tendering
India	Four/Six laning of Goa-Kundapur section of NH-17	Transport	430	Financial close
India	Six Laning of Agra-Etawah Bypass section of NH-2	Transport	418	Signed
India	Four laning of Ghoshpukur-Falakata-Salsalabari section of NH-31D	Transport	417	Tendering
India	Four laning of Hyderabad-Vijayawada section of NH-9	Transport	396	Operational

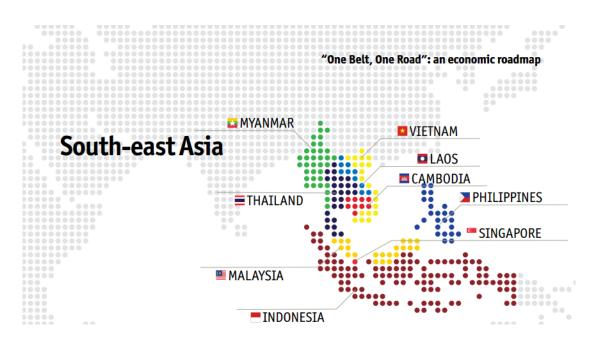
#### South Asia table 1: recent transportation infrastructure projects of US\$250m and above, India (continued)

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IndiaSH-10 (Sambalpur-Rourkela)Transport280SignedIndiaFour laning of Cuttack-Angul section of NH – 42Transport268PlanningIndia2/4 laning of Gadu-Dwarka section of NH-8E; Dwarka-Okha section of SH-25Transport258TenderingIndiaPukhrayan-Ghatampur-Bindaki section of SH-46Transport256TenderingIndiaFour laning of Lukcnow-Sultanpur section of NH-56Transport254Financial closeIndiaKolkata Port Diamond Harbour container terminalTransport251Tendering	India	New link on NH-133B and Manihari Bypass	Transport	284	Tendering
IndiaFour laning of Cuttack-Angul section of NH – 42Transport268PlanningIndia2/4 laning of Gadu-Dwarka section of NH-8E; Dwarka-Okha section of SH-25Transport258TenderingIndiaPukhrayan-Ghatampur-Bindaki section of SH-46Transport256TenderingIndiaFour laning of Lukcnow-Sultanpur section of NH-56Transport254Financial closeIndiaKolkata Port Diamond Harbour container terminalTransport251Tendering	India	Indore-Ichapur to Maharashtra State Highway (SH) No. 27	Transport	283	Tendering
India2/4 laning of Gadu-Dwarka section of NH-8E; Dwarka-Okha section of SH-25Transport258TenderingIndiaPukhrayan-Ghatampur-Bindaki section of SH-46Transport256TenderingIndiaFour laning of Lukcnow-Sultanpur section of NH-56Transport254Financial closeIndiaKolkata Port Diamond Harbour container terminalTransport251Tendering	India	SH-10 (Sambalpur-Rourkela)	Transport	280	Signed
IndiaPukhrayan-Ghatampur-Bindaki section of SH-46Transport256TenderingIndiaFour laning of Lukcnow-Sultanpur section of NH-56Transport254Financial closeIndiaKolkata Port Diamond Harbour container terminalTransport251Tendering	India	Four laning of Cuttack-Angul section of NH – 42	Transport	268	Planning
IndiaFour laning of Lukcnow-Sultanpur section of NH-56Transport254Financial closeIndiaKolkata Port Diamond Harbour container terminalTransport251Tendering	India	2/4 laning of Gadu-Dwarka section of NH-8E; Dwarka-Okha section of SH-25	Transport	258	Tendering
India         Kolkata Port Diamond Harbour container terminal         Transport         251         Tendering	India	Pukhrayan-Ghatampur-Bindaki section of SH-46	Transport	256	Tendering
	India	Four laning of Lukcnow-Sultanpur section of NH-56	Transport	254	Financial close
India         Four laning of Hubli-Hospet section of NH 63         Transport         250         Tendering	India	Kolkata Port Diamond Harbour container terminal	Transport	251	Tendering
	India	Four laning of Hubli-Hospet section of NH 63	Transport	250	Tendering

Sources: CG/LA; InfraPPP.

## South Asia table 3: recent infrastructure projects in Pakistan, Bangladesh, Sri Lanka

-Lahore-Karachi railway ar coal-fired power plants	Sector Transport	(US\$ m) 3,700	CPEC
ar coal-fired power plants	<u> </u>	3,700	CDEC
	F		
	Energy	2,800	CPEC
ss Transit Development	Transport	2,200	Planning
ar coal mining blocks	Energy	2,200	CPEC
awabshah natural gas	Energy	2,000	CPEC
n power plants	Energy	2,000	CPEC
ropower project	Energy	1,650	CPEC
etro	Transport	1,610	Planning
vated expressway	Transport	1,250	Financial close
	Transport	1,150	Planning
Port City	Transport	1,400	Re-awarded
u solar park	Energy	930	CPEC
ota Port phase 2	Transport	601	Signed
	Transport	350	Signed
,	Transport	338	Planning
ind farm	Energy	260	CPEC
irport	Transport	230	CPEC
hatta expressway	Transport	73	Signed
ort	Transport	53	Awarded
modialysis centres	Social & health	3	Signed
	ar coal mining blocks lawabshah natural gas m power plants lropower project etro evated expressway shulia elevated ay Port City ou solar park ota Port phase 2 erabad-Karachi y gar – Dhaka/Mawa ay wind farm irport hatta expressway ort emodialysis centres Pakistan State Engineering (	lawabshah natural gas Energy  m power plants Energy lropower project Energy etro Transport evated expressway Transport shulia elevated Transport ay Port City Transport ou solar park Energy ota Port phase 2 Transport erabad-Karachi Transport by gar – Dhaka/Mawa Transport ay ind farm Energy irport Transport thatta expressway Transport thatta expressway Transport	lawabshah natural gas Energy 2,000  Impower plants Energy 2,000 Iropower project Energy 1,650 Ironower project Energy 1,250 Ironower project Energy 1,250 Ironower project 1,250 Ironower project Energy 1,250 Ironower project 1,250 Ironower project 1,250 Ironower project Energy 1,250 Ironower project 1,250 Ironower project Energy 1,250 Ironower project 1,250 Ironower pro



#### South-east Asia table 2: select projects in South-east Asia's infrastructure pipeline

Country	Project	Sector	Investment (US\$ m)	Stage
Indonesia	Trans-Sumatra Toll Road	Transport	27,700	Pre-Construction
Indonesia	Sunda Strait Bridge	Transport	24,000	Planning
Vietnam	Ho Chi Minh City Metro System Master Plan	Transport	23,000	Feasibility Study
Singapore	Cross Island Line	Transport	21,000	Planning
Vietnam	Long Thanh Airport	Transport	15,800	Feasibility Study
Indonesia	Bontang oil refinery	Energy	14,500	Planning
Malaysia/Singapore	Kuala Lumpur-Singapore high-speed rail (HSR)	Transport	11,000	Planning
Philippines	Manila-Makati-Pasay-Parañaque Mass Transit System	Transport	8,370	Planning
Thailand	Bangkok-Chiang Mai HSR	Transport	8,275	Planning
Malaysia	Kuala Lumpur Mass Rapid Transit (MRT), Line 2	Transport	6,500	Tendering
Laos/China	Lao-China HSR	Transport	6,000	Awarded
Indonesia	Jakarta-Bandung HSR	Transport	5,100	Awarded
Philippines	Bulacan-Laguna rail	Transport	4,500	Planning
Philippines	North-South Commuter Railway	Transport	3,720	Tendering
Philippines	North-South Commuter Railway, South Line	Transport	3,610	Tendering
Philippines	Laguna Lakeshore expressway and dike	Transport	2,620	Tendering
Myanmar	Yangon Central rail station upgrade	Transport	2,500	Tendering
/ietnam	Hon Khai island deepwater port	Transport	2,500	Planning
<b>Thailand</b>	Bangpa- Nakhon Rachasrima motorway	Transport	2,350	Planning
Indonesia	Central Kalimantan Coal Railway Network	Transport	2,300	Tendering
Thailand	Blue Line extension	Transport	2,290	Planning
Indonesia	West Coast Expressway	Transport	2,000	Project signed
Malaysia	Penang underground tunnel link	Transport	2,000	Project signed
Indonesia	Kertajati Airport	Transport	1,800	Tendering
Indonesia	Soekarno-Hatta Airport Train Express Line	Transport	1,800	Design
Singapore	Tuas Terminal, Phase 1	Transport	1,800	Procurement
Indonesia	Soekarno-Hatta Airport Train express line	Transport	1,797	Planning
Indonesia	East-West MRT	Transport	1,700	Planning
Thailand	Development of Bangkok's MRT Pink Line elevated train	Transport	1,584	Planning
Philippines	Redevelopment of Ninoy Aquino International Aiport	Transport	1,583	Planning
Philippines	Manila Light Rail Transit (LRT), Line 7	Transport	1,540	Financial close
Thailand	Bangyai-Kanchanaburi motorway	Transport	1,540	Planning
Thailand	Development of Bangkok's MRT Yellow Line elevated train	Transport	1,528	Planning
Myanmar	Hanthawaddy International Airport	Transport	1,500	Awarded
Singapore	Singapore Sport Hub	Social & health	1,400	Operational
Philippines	Manila LRT, Line 6	Transport	1,390	Tendering
Philippines	Manila LRT, Line 1 extension	Transport	1,365	Financial close
Philippines	Philippine airport package B	Transport	1,300	Tendering
Philippines	Cavite and Laguna Expressway	Transport	1,228	Project signed
Philippines	Mindoro-Batangas floating bridge	Transport	1,125	Unsolicited proposal
Philippines	Regional Prison Facilities	Social & health	1,073	Tendering
Philippines	Philippine airport package A	Transport	1,070	Tendering
Philippines	Light Rail Transit, Line 4	Transport	1,065	Planning
Cambodia	Phnom Penh-Sihanoukville Highway Corridor Improvements	Transport	1,000	Feasibility Study
Laos	Xe-Pian Xe-Namnoy hydropower plant	Energy	966	Financial close
Indonesia	Balikpapan-Samarinda Toll Road	Transport	875	Planning
Philippines	Davao Light Railway Transit	Transport	842	Planning
Philippines	Davao port reclamation	Transport	837	Awarded
Thailand/Myanmar	Kanchanaburi-Dawei Railway	Transport	740	Planning

# Thank you!