



# Asian Development Bank Liaison Office INTERNATIONAL MARKET INSIGHTS

CS ADB  
July 2013

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## ASIA & PACIFIC: INTERNATIONAL MARKET INSIGHTS

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This International Market Insight (IMI) is a compilation of development projects funded by the Asian Development Bank (ADB). It is distributed monthly to alert U.S. firms to consulting and other procurement opportunities resulting from ADB loan projects, technical assistance (TA) and grants. In 2012, ADB provided \$11.72 billion for loans, \$403 million for grants and \$151 million for TA.<sup>1</sup> This IMI can be your firm's link to these opportunities.

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<sup>1</sup> *Statement of the Asian Development Bank's Operations in 2012*

**ANNOUNCEMENT:**

**The U.S. Commercial Service Asian Development Bank Liaison Office (CS ADB) has moved to the U.S. Embassy compound on Roxas Boulevard, Manila.**

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Table of Contents

<b>I. PROJECT LIST BY SECTOR.....</b>	<b>6</b>
<b>II. LOAN .....</b>	<b>9</b>
AZERBAIJAN.....	9
Renewable Energy Development (Biomass Cogeneration) Project.....	9
BANGLADESH .....	10
A. Subregional Railway Connectivity: Akhaura-Laksam Double Track Project.....	10
B. Khilkhet Water Treatment Plant Project.....	11
C. Third Urban Governance and Infrastructure Improvement Project - Project Design Advance.....	12
D. Regional Power Generation and Transmission Project (formerly Energy Efficiency Improvement Project II) .....	12
E. Coastal Towns Infrastructure Improvement Project.....	12
F. South Asia Subregional Economic Cooperation Road Connectivity Project .....	14
G. Subregional Railway Connectivity: Akhaura-Laksam Double Track Project.....	15
H. Khilkhet Water Treatment Plant Project .....	15
I. Third Urban Governance and Infrastructure Improvement (Sector) Project.....	16
J. Second Public-Private Infrastructure Development Facility (PPIDF II).....	17
K. Coastal Towns Infrastructure Improvement Project.....	18
BHUTAN .....	20
A. Green Power Development Project II .....	20
B. SASEC Road Connectivity Project (formerly Road Network Project II (Additional Financing)).....	21
CAMBODIA.....	22
A. Third Financial Sector Program - Subprogram 2.....	22
B. Public-Private Partnership Development Project.....	23
C. Urban Water Supply and Sanitation (formerly Rural Water Supply and Sanitation Project III) .....	23
D. Climate Resilient Rice Commercialization Sector Development Program.....	24
CHINA.....	25
A. Jiangxi Ji'an Sustainable Urban Transport Project .....	25
B. Yuxi-Mohan Subregional Railway Link Project .....	26
C. Jilin Urban Services Improvement Project.....	26
D. Hubei-Yichang Sustainable Urban Transport Project.....	27
E. Yunnan Sustainable Road Maintenance Project .....	28
F. Yunnan Chuxiong Urban Environment Improvement Project .....	29
G. Anhui Huainan Urban Water Systems Integrated Rehabilitation Project.....	29
H. Jiangxi Zhelin Lake Water Resources Integrated Utilization Project .....	31
I. Hubei Huanggang Integrated Urban Environment Improvement Project .....	31
J. Guangdong Chaonan Water Resources Development and Protection Demonstration Project.....	32
K. Yunnan Pu'er Regional Integrated Road Network Development Project.....	33
L. Anhui Intermodal Sustainable Transport Development Project.....	34
M. Inner Mongolia Road Development Project .....	34
N. Henan Value Chain and Products Safety Demonstration Project.....	35
O. Qinghai Delinha Concentrated Solar Energy Plant Project .....	35
P. Xinjiang Integrated Urban Development.....	36
Q. Chongqing Urban-Rural Infrastructure Development Demonstration II Project .....	37
R. Guangxi Baise Integrated Urban Environment Rehabilitation .....	38
S. Gansu Jiuquan Integrated Urban Environment Improvement Project .....	39
T. Xinjiang Tacheng Border Cities and Counties Development Project .....	40
U. Guangxi Nanning Vocational Education Development .....	41
V. Hunan Technical and Vocational Education and Training Demonstration Project.....	42
W. Gansu Jinta Concentrated Solar Power Project .....	43
INDIA .....	44
A. West Bengal North-South Corridor Project (formerly West Bengal Haldia Port Connectivity Project) .....	44
B. Meghalaya Public Management Reform Program .....	45
C. Catalyzing Sustainable Finance Facility .....	46
D. Punjab Development Finance Program.....	47
E. Supporting Human Capital Development in Meghalaya .....	48
F. Himachal Pradesh Clean Energy Transmission Investment Program - Tranche 2.....	49
INDONESIA .....	50
Polytechnics Education Development Project.....	50

KYRGYZ .....	51
CAREC Corridor 3 (Bishkek-Osh Road) Improvement Project, Phase 4 .....	51
MICRONESIA .....	52
Yap Renewable Energy Development Project .....	52
NEPAL .....	53
A. Bagmati River Basin Improvement Project .....	53
B. Skills Development Project* .....	54
C. Rural Electrification through Renewable Energy .....	55
PAKISTAN .....	56
A. Punjab Millennium Development Goals Program - Subprogram 3* .....	56
B. Power Sector Rehabilitation Project .....	56
PHILIPPINES .....	57
A. Solid Waste Management Sector Project .....	57
B. Urban Water Supply and Sanitation Project .....	58
C. Angat Water Transmission Improvement Project .....	59
D. Community-Driven Development Support Project .....	60
E. Water District Development Sector Project .....	60
REGIONAL .....	61
Central Asia Regional Economic Cooperation Regional Improvement of Border Services Project (RIBS) .....	61
TURKMENISTAN .....	65
Zerger Regional Power Generation Project .....	65
UZBEKISTAN .....	66
Takhiatash Power Plant Efficiency Improvement Project .....	66
<b>III. TECHNICAL ASSISTANCE .....</b>	<b>67</b>
BANGLADESH .....	67
Regional Power Generation and Transmission Project (formerly Energy Efficiency Improvement II) .....	67
CHINA .....	68
A. Gansu Baiyin Urban Development II Project .....	68
B. Chemical Industry Energy Efficiency and Emission Reduction Project .....	69
C. Public Finance Development Strategy 2020 .....	70
INDIA .....	71
Advanced Project Preparedness for Poverty Reduction - Detailed Design for the SASEC Subregional Road Connectivity Project (Subproject 25) .....	71
INDONESIA .....	72
Sustainable Infrastructure Assistance Program .....	72
KAZAKHSTAN .....	74
Astana Light Rail Transit Project .....	74
MICRONESIA .....	75
Yap Renewable Energy Development Project .....	75
MYANMAR .....	76
A. Support for Post-Primary Education Development .....	76
B. Capacity Development of the National Statistical System .....	77
NEPAL .....	78
Third Small Towns Water Supply and Sanitation Sector Project .....	78
PHILIPPINES .....	79
A. Supporting Capacity Development for the Bureau of Internal Revenue (BIR) .....	79
B. Education Improvement Sector Development Program .....	80
C. PFM 3 [previously Governance and Public Financial Management Phase I (Cluster TA)] .....	80
D. The Procter & Gamble Company Waste to Worth Project .....	81
E. Climate Resilience and Green Growth in Critical Watersheds .....	81
F. Second Road Improvement & Institutional Development Project .....	82
G. Water District Development Sector Project .....	83
REGIONAL .....	83
A. Provision of Knowledge Products and Services to DMCs through Systematic Knowledge Sharing .....	83
B. Greater Mekong Subregion Phnom Penh Plan for Development Management Phase V .....	84
C. Support for a Regional Platform on Innovations in Education and Human Resources Development for Competitiveness towards an Integrated ASEAN Community .....	86

D. Promoting Cooperation in Sanitary and Phytosanitary Measures for Central Asia Regional Economic Cooperation .....	87
E. Evolving Linkages of the Pacific Economies .....	88
F. Pacific Private Sector Development Initiative, Phase III .....	89
G. Enhancing ADB's Engagement in Fragile and Conflict-Affected Situations .....	90
H. Innovative Data Collection Methods for Agricultural and Rural Statistics .....	92
TONGA .....	93
Implementing Strategic Economic Management.....	93
TUVALU.....	95
Institutional Strengthening of the Ministry of Finance and Economic Development.....	95
VIETNAM.....	97
A. Strengthening Microfinance Sector Operations and Supervision .....	97
B. Strengthening Support for State-Owned Enterprise Reform and Corporate Governance Facilitation Program .....	98
<b>IV. GRANT.....</b>	<b>99</b>
AFGHANISTAN .....	99
Rehabilitation of Bamian-Yakawlang Road.....	99
MYANMAR.....	99
GMS Capacity Building for HIV/AIDs Project (Strengthened National Response to HIV and AIDS in Myanmar).....	99
REGIONAL .....	100
Greater Mekong Subregion: Livelihood Support for Corridor Towns .....	100
TAJKISTAN.....	101
Access to Green Finance Project .....	101
TIMOR-LESTE.....	103
District Capital Power Distribution Project.....	103
TONGA .....	104
Outer Island Renewable Energy Project.....	104
<b>V. IN-COUNTRY EMBASSY AND COMMERCIAL OFFICES.....</b>	<b>106</b>

**I. PROJECT LIST BY SECTOR**

<b>Country</b>	<b>Projects</b>	<b>ADB Assistance</b>
<b>Note: Click on the project title for full details.</b>		
<b>AGRICULTURE and NATURAL RESOURCES SECTOR</b>		
Bangladesh	<a href="#">Coastal Towns Infrastructure Improvement Project</a>	Proposed loan
Cambodia	<a href="#">Climate Resilient Rice Commercialization Sector Development Program</a>	Proposed loan
China	<a href="#">Jiangxi Zhelin Lake Water Resources Integrated Utilization Project</a>	Proposed loan
China	<a href="#">Guangdong Chaonan Water Resources Development and Protection Demonstration Project</a>	Proposed loan
Philippines	<a href="#">Comprehensive Development for the Agusan River Basin</a>	Proposed loan
Regional	<a href="#">Innovative Data Collection Methods for Agricultural and Rural Statistics</a>	Approved TA
<b>EDUCATION SECTOR</b>		
Bangladesh	<a href="#">Skills for Employment</a>	Proposed loan
China	<a href="#">Guangxi Nanning Vocational Education Development</a>	Proposed loan
China	<a href="#">Hunan Technical and Vocational Education and Training Demonstration Project</a>	Proposed loan
China	<a href="#">Gansu Jinta Concentrated Solar Power Project</a>	Approved Loan
China	<a href="#">Chemical Industry Energy Efficiency and Emission Reduction Project</a>	Approved TA
India	<a href="#">Himachal Pradesh Clean Energy Transmission Investment Program - Tranche 2</a>	Proposed Loan
Micronesia	<a href="#">Yap Renewable Energy Development Project</a>	Approved Loan
Micronesia	<a href="#">Yap Renewable Energy Development Project</a>	Approved TA
Myanmar	<a href="#">Support for Post-Primary Education Development</a>	Approved TA
Nepal	<a href="#">Skills Development Project</a>	Proposed loan
Tajikistan	<a href="#">Access to Green Finance Project</a>	Approved TA
Philippines	<a href="#">Education Improvement Sector Development Program</a>	Proposed TA
<b>ENERGY SECTOR</b>		
Azerbaijan	<a href="#">Renewable Energy Development (Biomass Cogeneration) Project</a>	Proposed loan
Bangladesh	<a href="#">Regional Power Generation and Transmission Project (formerly Energy Efficiency Improvement Project II)</a>	Proposed loan
Bangladesh	<a href="#">Regional Power Generation and Transmission Project (formerly Energy Efficiency Improvement II)</a>	Proposed TA
Bhutan	<a href="#">Green Power Development Project II</a>	Proposed loan
China	<a href="#">Qinghai Delinha Concentrated Solar Energy Plant Project</a>	Proposed loan
Nepal	<a href="#">Rural Electrification through Renewable Energy</a>	Proposed loan
Pakistan	<a href="#">Power Sector Rehabilitation Project</a>	Proposed loan
Timor-Leste	<a href="#">District Capital Power Distribution Project</a>	Proposed grant
Tonga	<a href="#">Outer Island Renewable Energy Project</a>	Proposed grant
Turkmenistan	<a href="#">Zerger Regional Power Generation Project</a>	Proposed loan
Uzbekistan	<a href="#">Takhiatash Power Plant Efficiency Improvement Project</a>	Proposed loan
<b>ENVIRONMENT SECTOR</b>		
Bangladesh	<a href="#">Khilkhet Water Treatment Plant Project</a>	Proposed loan
Bangladesh	<a href="#">Khilkhet Water Treatment Plant Project</a>	Proposed loan
Bangladesh	<a href="#">Coastal Towns Infrastructure Improvement Project</a>	Proposed loan
Cambodia	<a href="#">Urban Water Supply and Sanitation (formerly Rural Water Supply and Sanitation Project III)</a>	Proposed loan
China	<a href="#">Yunnan Chuxiong Urban Environment Improvement Project</a>	Proposed loan
China	<a href="#">Anhui Huainan Urban Water Systems Integrated Rehabilitation Project</a>	Proposed loan
China	<a href="#">Hubei Huanggang Integrated Urban Environment Improvement Project</a>	Proposed loan

Country	Projects	ADB Assistance
<b>Note: Click on the project title for full details.</b>		
<b>ENVIRONMENT SECTOR</b>		
China	<a href="#">Guangxi Baise Integrated Urban Environment Rehabilitation</a>	Proposed loan
China	<a href="#">Gansu Jiuquan Integrated Urban Environment Improvement Project</a>	Approved Loan
Philippines	<a href="#">Solid Waste Management Sector Project</a>	Proposed loan
Philippines	<a href="#">Urban Water Supply and Sanitation Project</a>	Proposed loan
Philippines	<a href="#">Angat Water Transmission Improvement Project</a>	Proposed loan
Philippines	<a href="#">Water District Development Sector Project</a>	Proposed loan
Philippines	<a href="#">The Procter &amp; Gamble Company Waste to Worth Project</a>	Proposed TA
Philippines	<a href="#">Climate Resilience and Green Growth in Critical Watersheds</a>	Proposed TA
Philippines	<a href="#">Water District Development Sector Project</a>	Proposed TA
<b>HEALTH SECTOR</b>		
Myanmar	<a href="#">GMS Capacity Building for HIV/AIDs Project (Strengthened National Response to HIV and AIDS in Myanmar)</a>	Proposed Grant
Regional	<a href="#">Promoting Cooperation in Sanitary and Phytosanitary Measures for Central Asia Regional Economic Cooperation</a>	Approved TA
<b>INDUSTRY, FINANCE, and OTHER SECTORS</b>		
Bangladesh	<a href="#">Third Urban Governance and Infrastructure Improvement Project - Project Design Advance</a>	Proposed loan
Bangladesh	<a href="#">Third Urban Governance and Infrastructure Improvement (Sector) Project</a>	Proposed loan
Bangladesh	<a href="#">Second Public-Private Infrastructure Development Facility (PPIDF II)</a>	Proposed loan
Cambodia	<a href="#">Third Financial Sector Program - Subprogram 2</a>	Proposed loan
Cambodia	<a href="#">Public-Private Partnership Development Project</a>	Proposed loan
China	<a href="#">Public Finance Development Strategy 2020</a>	Approved TA
China	<a href="#">Henan Value Chain and Products Safety Demonstration Project</a>	Proposed loan
China	<a href="#">Chongqing Urban-Rural Infrastructure Development Demonstration II Project</a>	Proposed loan
China	<a href="#">Gansu Jiuquan Integrated Urban Environment Improvement Project</a>	Proposed loan
China	<a href="#">Xinjiang Tacheng Border Cities and Counties Development Project</a>	Proposed loan
India	<a href="#">Meghalaya Public Management Reform Program</a>	Proposed loan
India	<a href="#">Catalyzing Sustainable Finance Facility</a>	Proposed loan
India	<a href="#">Punjab Development Finance Program</a>	Proposed loan
India	<a href="#">Supporting Human Capital Development in Meghalaya</a>	Proposed loan
India	<a href="#">Advanced Project Preparedness for Poverty Reduction - Detailed Design for the SASEC Subregional Road Connectivity Project (Subproject 25)</a>	Approved TA
Indonesia	<a href="#">Sustainable Infrastructure Assistance Program</a>	Approved TA
Myanmar	<a href="#">Capacity Development of the National Statistical System</a>	Approved TA
Pakistan	<a href="#">Punjab Millennium Development Goals Program - Subprogram 3</a>	Proposed loan
Philippines	<a href="#">Supporting Capacity Development for the Bureau of Internal Revenue (BIR)</a>	Proposed TA
Philippines	<a href="#">Community-Driven Development Support Project</a>	Proposed loan
Philippines	<a href="#">PFM 3 [previously Governance and Public Financial Management Phase I (Cluster TA)]</a>	Proposed TA
Philippines	<a href="#">Second Road Improvement &amp; Institutional Development Project</a>	Proposed TA
Regional	<a href="#">Provision of Knowledge Products and Services to DMCs through Systematic Knowledge Sharing</a>	Proposed TA
Regional	<a href="#">Greater Mekong Subregion Phnom Penh Plan for Development Management Phase V Support for a Regional Platform on Innovations in Education and Human Resources</a>	Proposed TA
Regional	<a href="#">Development for Competitiveness towards an Integrated ASEAN Community</a>	Approved TA
Regional	<a href="#">Evolving Linkages of the Pacific Economies</a>	Approved TA
Regional	<a href="#">Pacific Private Sector Development Initiative, Phase III</a>	Approved TA
Regional	<a href="#">Enhancing ADB's Engagement in Fragile and Conflict-Affected Situations</a>	Approved TA
Regional	<a href="#">Greater Mekong Subregion: Livelihood Support for Corridor Towns</a>	Approved TA
Tonga	<a href="#">Implementing Strategic Economic Management</a>	Approved TA
Tuvalu	<a href="#">Institutional Strengthening of the Ministry of Finance and Economic Development</a>	Approved TA

Country	Projects	ADB Assistance
<b>Note: Click on the project title for full details.</b>		
<b>INDUSTRY, FINANCE, and OTHER SECTORS</b>		
Vietnam	<a href="#">Strengthening Microfinance Sector Operations and Supervision</a>	Proposed TA
Vietnam	<a href="#">Strengthening Support for State-Owned Enterprise Reform and Corporate Governance Facilitation Program</a>	Proposed TA
<b>TRANSPORTATION and COMMUNICATIONS SECTOR</b>		
Afghanistan	<a href="#">Rehabilitation of Bamian-Yakawlang Road</a>	Proposed Grant
Bangladesh	<a href="#">South Asia Subregional Economic Cooperation Road Connectivity Project</a>	Proposed loan
Bangladesh	<a href="#">Subregional Railway Connectivity: Akhaura-Laksam Double Track Project</a>	Proposed loan
Bangladesh	<a href="#">Subregional Railway Connectivity: Akhaura-Laksam Double Track Project</a>	Proposed loan
Bhutan	<a href="#">SASEC Road Connectivity Project (formerly Road Network Project II (Additional Financing))</a>	Proposed loan
China	<a href="#">Jiangxi Ji'an Sustainable Urban Transport Project</a>	Proposed loan
China	<a href="#">Yuxi-Mohan Subregional Railway Link Project</a>	Proposed loan
China	<a href="#">Yunnan Sustainable Road Maintenance Project</a>	Proposed loan
China	<a href="#">Yunnan Pu'er Regional Integrated Road Network Development Project</a>	Proposed loan
China	<a href="#">Anhui Intermodal Sustainable Transport Development Project</a>	Proposed loan
China	<a href="#">Inner Mongolia Road Development Project</a>	Proposed loan
India	<a href="#">West Bengal North-South Corridor Project (formerly West Bengal Haldia Port Connectivity Project)</a>	Proposed loan
Kazakhstan	<a href="#">Astana Light Rail Transit Project</a>	Approved TA
Kyrgyz	<a href="#">CAREC Corridor 3 (Bishkek-Osh Road) Improvement Project, Phase 4</a>	Proposed loan
Nepal	<a href="#">Bagmati River Basin Improvement Project</a>	Proposed loan
Philippines	<a href="#">Second Road Improvement &amp; Institutional Development Project</a>	Proposed TA
<b>URBAN DEVELOPMENT SECTOR</b>		
China	<a href="#">Gansu Baiyin Urban Development II Project</a>	Approved TA
China	<a href="#">Jilin Urban Services Improvement Project</a>	Proposed loan
China	<a href="#">Hubei-Yichang Sustainable Urban Transport Project</a>	Proposed loan
China	<a href="#">Xinjiang Integrated Urban Development</a>	Proposed loan

## II. LOAN

NOTE: Please click on the project title to access full project information.

### AZERBAIJAN

#### Renewable Energy Development (Biomass Cogeneration) Project

**Project No.** : 47008-002 (Proposed)  
**Amount (US \$ million)** : 40  
**Executing Agencies** : State Agency on Alternative & Renewable Energy Source  
**Sector** : Energy

*Status:* Management Review Meeting scheduled in June 6, 2014

*Description:* The Project aims to promote renewable energy development in Azerbaijan through developing two pilot renewable energy projects (biomass cogeneration) with a total installed capacity of 16 megawatt (MW) for efficient electricity and heating supply in Oghuz and Agjabedi regions. The project impact will be efficient and sustainable renewable energy development in Azerbaijan. The expected project outcome will be increased Renewable Energy share in power generation by demonstrating the viability of biomass cogeneration plants and heating supply systems in Oghuz and Agjabedi regions. The project outputs will consist: (i) construction of two biomass cogeneration plants in Oghuz and Agjabedi regions; (ii) construction of heating supply systems in Oghuz and Agjabedi regions; and (iii) project management and supervision, including consultancy services for project supervision, safeguards compliance, reporting, and capacity building for the executing agency.

#### Business Opportunities:

- **Consulting Services:** To assist the EA in implementation, a supervision consulting firm will be recruited using the quality- and cost-based selection (QCBS) method (90:10), in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
- **Procurement:** The Project will be implemented by turnkey contractors. The indicative procurement methods will be international competitive bidding (ICB), in accordance with ADB's Procurement Guidelines (2010, as amended from time to time).

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Central and West Asia Department  
Energy Division, CWRD

## BANGLADESH

### A. Subregional Railway Connectivity: Akhaura-Laksam Double Track Project

**Project No.** : 46168-001 (Proposed)  
**Amount (US \$ million)** : 200  
**Executing Agencies** : Bangladesh Railway (BR)  
**Sector** : Transport and ICT

*Status:* Proposed; management review meeting scheduled on September 30, 2013

*Description:* The main objective of the project is to construct the second track between Laksam and Akhaura to complete the seamless double track railway line in the Dhaka-Chittagong corridor and to upgrade the existing track according to the requirements of the Trans Asian Railway network. Dhaka and Chittagong are the two major metropolitan areas of Bangladesh. Dhaka is the main commercial and administrative center of the country; Chittagong is the primary seaport, accounting for about 90% of imports and exports. More than a quarter of Bangladesh's population of 142 million lives in the Dhaka-Chittagong corridor. The government's Sixth Five-Year Plan, 2011-2015 assigns the highest priority to increasing the capacity of the Dhaka-Chittagong corridor by completing double tracking on the entire corridor, which is important to increase the market share of the railway. Enhancing the capacity of the Laksam-Akhaura section will also allow operating additional trains for subregional trade through Chittagong Port with Bhutan, India and Nepal; the project is part of the Trans Asian Railway (TAR) network.

*Impact:* Efficient and safe transport system in the Dhaka-Chittagong corridor

*Outcome:* Improved railway transport capacity in the DhakaChittagong corridors

#### *Outputs:*

1. Laksam-Akhaura Double Track completed
2. Project management capacity enhanced

#### Business Opportunities

- Consulting Services: To be determined
- Procurement Notices: To be determined

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South Asia Department  
Transport and Communications Division, SARD

### **B. Khilkhet Water Treatment Plant Project**

**Project No.** : 42173-013 (Proposed)  
**Amount (US \$ million)** : 270  
**Executing Agencies** : Ministry of Finance  
**Sector** : Water Supply and Sanitation

*Status:* Proposed; management review meeting scheduled on June 3, 2013

*Description:* The project will provide more reliable and sustainable water supply in Dhaka by developing a new surface water source for supply augmentation. It will prepare priority investments in wastewater management system development ready for bidding to cope with increased volume of wastewater, and advance strengthening of the capacity of Dhaka Water Supply and Sewerage Authority (DWASA) and sector policy reform, building on the achievements under the ongoing ADB-financed sector development program.

*Project Rationale and Linkage to Country/Regional Strategy:* The government has set a target of providing all urban areas with safe water coverage and full sanitation by 2015. However, achieving this target remains a major challenge for the country, with population growth in urban areas doubling that of national average. This is no exception for Dhaka, capital of Bangladesh. It had a population of 14.6 million in 2010, the 9<sup>th</sup> largest in the world, and it is projected to be the 5th largest by 2025 with a population of 20.9 million. DWASA currently provides water supply to the population of about 10.3 million in about 70% of the Dhaka Metropolitan Area, but is unable to provide sufficient quality and quantity of water to its beneficiaries despite significant improvements. Moreover, as it heavily relies on the groundwater as source of water supply (about 90%), the groundwater table is falling by 2-3 meters per year. According to an estimate, about 50% of deep tube wells in the upper aquifer will become inoperative by 2015, reducing significantly the groundwater production. While further study of sustainable groundwater extraction in Dhaka is warranted, current extraction of about 1,900 million liters per day (MLD) needs to be reduced to about 900 MLD, including new aquifer development, under a realistic scenario.

*Impact:* Improved access to water supply services in Dhaka

*Outcome:* More reliable and sustainable water supply in Dhaka.

*Outputs:*

1. Program implemented for surface water supply augmentation.
2. Priority investments for wastewater management system prepared.
3. Project management and administration supported.

Business Opportunities

Consulting Services: To be determined

Procurement: To be determined

*Responsible ADB Officer:* Norio Saito (E-mail: [nsaito@adb.org](mailto:nsaito@adb.org))  
South Asia Department  
Urban Development and Water Division, SARD

### C. Third Urban Governance and Infrastructure Improvement Project - Project Design Advance

**Project No.** : 39295-034 (Proposed)  
**Amount (US \$ million)** : 5  
**Sector** : Multisector

Project details yet to be provided

*Status:* Proposed; management review meeting scheduled on August 19, 2013

*Responsible ADB Officer:* Norio Saito (E-mail: [nsaito@adb.org](mailto:nsaito@adb.org))  
South Asia Department  
Urban Development and Water Division, SARD

### D. Regional Power Generation and Transmission Project (formerly Energy Efficiency Improvement Project II)

**Project No.** : 41160-013 (Proposed)  
**Amount (US \$ million)** : 260  
**Sector** : Energy

Project details yet to be determined

*Status:* Proposed; management review meeting scheduled on August 18, 2013

*Responsible ADB Officer:* Priyantha D.C. Wijayatunga (E-mail: [pwijayatunga@adb.org](mailto:pwijayatunga@adb.org))  
South Asia Department  
Energy Division, SARD

### E. Coastal Towns Infrastructure Improvement Project

**Project No.** : 44212-013 (Proposed)  
**Amount (US \$ million)** : 52  
**Executing Agencies** : Local Government Engineering Department  
**Sector** : Water Supply and Sanitation

*Status:* Proposed; management review meeting scheduled on September 10, 2013

*Description:* The project takes a holistic and integrated approach to urban environmental improvement in vulnerable coastal towns of Bangladesh, which suffers deficits in basic urban services and is severely at risk to the impacts of climate change. It will provide climate resilient municipal infrastructure, including water supply, sanitation, drainage, flood protection, urban roads, and solid waste management facilities, and will strengthen institutional capacity and local governance for operating, maintaining, and expanding access to such services. The project will also mainstream climate resilience into urban planning. The Local Government Engineering Department (LGED), with extensive experience in managing Asian Development Bank (ADB) and other donor supported urban projects, will be the Executing Agency for the Project. Climate change and variability are critical development issues for Bangladesh, particularly in its low lying coastal areas naturally exposed to sea level rise, storm surges, and more frequent and intense storm events. The government, in its Sixth Five-Year Plan, FY2011 FY2015, has targeted assistance to

vulnerable coastal populations with improvements in climate resilient water supply, sanitation, drainage, and flood protection infrastructure. The project was prioritized in the government's 2010 Strategic Program for Climate Resilience (SPCR), prepared under the Pilot Program for Climate Resilience (PPCR). As a key component of the SPCR, the project is eligible for financing from the Strategic Climate Fund (SCF) within the multi-donor coordinated Climate Investment Funds (CIF) as a pilot project for demonstrating ways to mainstream climate resilience into development. The coastal areas of Bangladesh consist of three distinct regions, namely the western, central and eastern zones comprising 19 districts. The coastal towns, with population of around 7 million, include both smaller pourashavas (secondary towns) and larger cities such as Khulna, Chittagong, and Barisal. Infrastructure is currently inadequate in these areas as they are either damaged by natural disasters or otherwise no longer functioning effectively. Weak local governance and municipal management coupled with high poverty incidence, and remote locations, create persistent development challenges to these areas. Climate change, variability, and natural disasters further aggravate development in coastal towns, with disproportionate impacts to women and the poor. The increased incidence of drought and saline intrusion (from sea level rise and storm surges) into groundwater, coupled with high non-revenue water, is posing serious risks to drinking water supplies, requiring the potential for developing new, but costlier, water supply sources located at far distances. Poor access to sanitation in coastal towns is also posing serious public and environmental health risks (Bangladesh is currently behind in achieving its MDG Target 10 indicators for urban sanitation). Drainage systems are underdeveloped and poorly maintained, and would be made further obsolete under more intense and frequent storm events. Given this scenario, future investments in urban infrastructure need to be climate-resilient to manage the long-term costs of investments, and to ensure that such investments deliver their intended benefits.

*Project Rationale and Linkage to Country/Regional Strategy:* The project will take a participatory approach to address the social, environmental, and institutional constraints to inclusive development in coastal towns, and will serve to pilot new approaches in climate adaptation to be scaled up under future investments. It will reflect lessons learned from the first and second Urban Governance and Infrastructure Improvement (Sector) Projects (UGIIP), TA 7197 Strengthening Resilience of the Water Sector in Khulna to Climate Change, TA 7848 Climate Change Capacity Building and Knowledge Management, and recommendations from the ongoing CDTA 7890 Strengthening the Resilience of the Urban Water Supply, Drainage, and Sanitation to Climate Change in Coastal Towns related to the location of water-intake works, the appropriate design of drainage systems, and urban wastewater discharge. The project will also closely coordinate with the World Bank and other donors working in the urban sector to avoid duplication and ensure complementarities. ADB's Country Operations Business Plan (2012-2014) lists the Coastal Towns Infrastructure Improvement Project for implementation in 2013. The project is consistent with ADB's Bangladesh Country Partnership Strategy (2011-2015) which targets assistance to vulnerable coastal areas in adapting to the risks of climate change, as well as ADB's urban and water operational plans.

*Impact:* Improved health in coastal town populations

*Outcome:* Improved access to more reliable and climate-resilient municipal services in coastal towns

*Outputs:*

1. Improved municipal infrastructure with climate-resilient design in coastal towns
2. Strengthened local governance and capacity for sustainable service delivery and urban planning
3. Awareness raising and behavioral change programs implemented
4. Project management and administration support established

Business Opportunities

- *Consulting Services:* A firm and individual consultants will be recruited in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). Consulting firms will be recruited using Quality and Cost-Based Selection (QCBS) method with a quality:cost ratio of 80:20.

- *Procurement:* All procurement to be financed under the project will be carried out in accordance with ADB's Procurement Guidelines (2010, as amended from time to time).

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#### **F. South Asia Subregional Economic Cooperation Road Connectivity Project**

**Project No. :** 40540-014 (Proposed)  
**Amount (US \$ million) :** 198  
**Executing Agencies :** Roads and Highways Department  
Bangladesh Land Port Authority

**Sector :** Transport and ICT

Project details to be determined.

#### Business Opportunities:

- *Consulting Services:* An estimated 2,710 person-months (249 international, 2,461 national) of consulting services are required to: (i) facilitate project management and implementation for LPA and RHD, and (ii) enhance operational efficiency of LPA. Consulting firms will be engaged using the quality- and cost-based selection (QCBS) method with a quality:cost ratio of 90:10. A higher quality ratio is adopted because the task involves a certain level of innovativeness to coordinate with LPA and RHD, and to mobilize and manage several teams at the same time. To engage quality consultants in a timely manner, ADB and the government have agreed that ADB carry out consultant selection on behalf of the government. The government will retain its authority for contract negotiation and contract signing. The proposed TA will undertake 3 major components: (i) maintenance scheme for roads and bridges, (ii) overloading control scheme, and (iii) RHD modernization, covering institutional changes and streamlining business processes. As part of the capacity development for procurement processes, the TA will also provide for a procurement review to be undertaken for the proposed project. It is proposed that ADB will finance \$1,500,000 equivalent, on a grant basis from a trust fund.
- *Procurement:* Procurement activities will be the responsibility of the Project Directors, who will be supported by the consultants under TA loan 2688 and the PIC. ADB engaged an international consultant during procurement processes for probity. ADB will closely monitor all procurement and implementation activities. Contracts for civil works and goods will comprise about 7 international competitive bidding (ICB) packages. Contract packages for equipment under RHD institutional development will be based on required technical features and timing of procurement. Packages will be identified during implementation by consultants engaged under technical assistance.

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Transport and Communications Division, SARD

### G. Subregional Railway Connectivity: Akhaura-Laksam Double Track Project

**Project No.** : 46168-001 (Proposed)  
**Amount (US \$ million)** : 200  
**Executing Agencies** : Bangladesh Railway (BR)  
**Sector** : Transport/ICT

*Description:* The main objective of the project is to construct the second track between Laksam and Akhaura to complete the seamless double track railway line in the Dhaka-Chittagong corridor and to upgrade the existing track according to the requirements of the Trans Asian Railway network. Dhaka and Chittagong are the two major metropolitan areas of Bangladesh. Dhaka is the main commercial and administrative center of the country; Chittagong is the primary seaport, accounting for about 90% of imports and exports. More than a quarter of Bangladesh's population of 142 million lives in the Dhaka-Chittagong corridor. The government's Sixth Five-Year Plan, 2011-2015 assigns the highest priority to increasing the capacity of the Dhaka-Chittagong corridor by completing double tracking on the entire corridor, which is important to increase the market share of the railway. Enhancing the capacity of the Laksam-Akhaura section will also allow operating additional trains for subregional trade through Chittagong Port with Bhutan, India and Nepal; the project is part of the Trans Asian Railway (TAR) network.

*Impact:* Efficient and safe transport system in the Dhaka-Chittagong corridor

*Outcome:* Improved railway transport capacity in the Dhaka Chittagong corridors

**Outputs:**

1. Laksam-Akhaura Double Track completed
2. Project management capacity enhanced

**Business Opportunities:**

- Consulting Services: To be determined
- Procurement Notices: To be determined

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### H. Khilkhet Water Treatment Plant Project

**Project No.** : 42173-013 (Proposed)  
**Amount (US \$ million)** : 260  
**Executing Agencies** : Dhaka Water Supply and Sewerage Authority  
**Sector** : Water Supply and Sanitation

*Status:* Management Review Meeting on 15 July 2013

*Description:* The project will provide more reliable and sustainable water supply in Dhaka by developing a new surface water source for supply augmentation. It will prepare priority investments in wastewater management system development ready for bidding to cope with increased volume of wastewater, and advance strengthening of the capacity of Dhaka Water Supply and Sewerage Authority (DWASA) and

sector policy reform, building on the achievements under the ongoing ADB-financed sector development program

*Project Rationale and Linkage to Country/Regional Strategy.* The government has set a target of providing all urban areas with safe water coverage and full sanitation by 2015. However, achieving this target remains a major challenge for the country, with population growth in urban areas doubling that of national average. This is no exception for Dhaka, capital of Bangladesh. It had a population of 14.6 million in 2010, the 9<sup>th</sup> largest in the world, and it is projected to be the 5<sup>th</sup> largest by 2025 with a population of 20.9 million. DWASA currently provides water supply to the population of about 10.3 million in about 70% of the Dhaka Metropolitan Area, but is unable to provide sufficient quality and quantity of water to its beneficiaries despite significant improvements. Moreover, as it heavily relies on the groundwater as source of water supply (about 90%), the groundwater table is falling by 2-3 meters per year. According to an estimate, about 50% of deep tube wells in the upper aquifer will become inoperative by 2015, reducing significantly the groundwater production. While further study of sustainable groundwater extraction in Dhaka is warranted, current extraction of about 1,900 million liters per day (MLD) needs to be reduced to about 900 MLD, including new aquifer development, under a realistic scenario.

*Impact:* Improved access to water supply services in Dhaka

*Outcome:* More reliable and sustainable water supply in Dhaka

*Outputs:*

1. Program implemented for surface water supply augmentation
2. Priority investments for wastewater management system prepared
3. Project management and administration supported

Business Opportunities:

- Consulting Services: To be determined by ADB
- Procurement Notices: To be determined by ADB

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### **I. Third Urban Governance and Infrastructure Improvement (Sector) Project**

**Project No. :** 39295-013 (Proposed)  
**Amount (US \$ million) :** 150  
**Executing Agencies :** Department of Public Health Engineering  
Local Government Engineering Department

**Sector :** Mutisector

*Status:* Management Review Meeting on 3 February 2014

*Description:* The project will strengthen urban governance and improve urban infrastructure and service delivery in select pourashavas (municipalities) in Bangladesh. Building upon the successful implementation of earlier phases, the project adopts performance-based allocation of investment funds to municipalities as an incentive mechanism for governance reform. Physical investments in water supply and sanitation, drainage, roads, solid waste management, and other municipal facilities will be made through an integrated approach to improve the urban environment and foster economic growth.

*Project Rationale and Linkage to Country/Regional Strategy:* Pourashavas are struggling to provide their citizens with key services including drinking water supply and sanitation, roads, solid waste management, drainage systems, and other municipal services such as kitchen markets, street lights, and bus terminals. Although coverage in drinking water supply reached 85% in urban areas in 2010 (81% for the whole country), access to piped water supply in household premises is provided to only 20% of the urban population, requiring significant improvement in service levels. Only 57% of the urban population have access to improved sanitation facilities in 2010 (56% for the whole country), which is lower than the average in South Asia. Bangladesh is not on track to meet the sanitation target on Millennium Development Goals. The situation is even more serious in slums, as the access to sanitation is highly correlated with wealth. Solid waste management is not systematic, and wastes are often dumped in open areas creating public health risks. Drainage is underdeveloped and poorly maintained. Although improvements are being made through earlier projects, including the UGIIP, most pourashavas still need significant investment support to improve their service delivery.

*Impact:* More people enjoying improved municipal services in target pourashavas

*Outcome:* Improved access to municipal services and strengthened pro-poor and gender-responsive urban governance in target pourashavas

*Outputs:*

1. Municipal infrastructure improved and made climate responsive in target pourashavas.
2. Community participation, accountability, and financial management systems strengthened with emphasis on gender equality and social inclusion.
3. Project management and administration adequately supported.

Business Opportunities:

- Consulting Services: A firm and individual consultants will be recruited in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). Consulting firms will be recruited using Quality and Cost-Based Selection (QCBS) method with a quality:cost ratio of 80:20. Advance contracting and retroactive financing will be considered.
- Procurement: All procurement to be financed under the project will be carried out in accordance with ADB's Procurement Guidelines (2010, as amended from time to time). Advance contracting and retroactive financing will be considered.

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**J. Second Public-Private Infrastructure Development Facility (PPIDF II)**

**Project No. :** 42180-013 (Proposed)  
**Amount (US \$ million) :** 120  
**Executing Agencies :** Ministry of Finance  
**Sector :** Mutisector

*Status:* Management Review Meeting on 17 June 2013

*Project Rationale and Linkage to Country/Regional Strategy:* The proposed Second Public-Private Infrastructure Development Facility (PPIDF II or the "Project") will build on the efforts of PPIDF I in helping address the infrastructure deficiencies in Bangladesh by providing long-term debt financing and catalyzing private sector participation through Infrastructure Development Company Limited (IDCOL), and thereby supporting poverty reduction through enhanced investment, economic growth, and increase in

employment opportunities. The design of the Project serves to attract commercial financing, thereby reducing the pressure on the public budget. An additional objective of the Project is to help provide the rural population and small to medium enterprises in off-grid areas with access to environment-friendly electricity. While PPIDF II represents a continuation of the first facility, it builds on lessons learnt from PPIDF I and includes new features such as: (i) the proposed incentive structure to move solar home system (SHS) technology towards using more energy-efficient light-emitting diode (LED) lights and (ii) the reduction of total project cost size from \$30 million to \$20 million for eligible sub-projects to facilitate the financing of a larger number of medium to large size infrastructure projects. More specifically, component 1 will enhance IDCOL's foreign currency resources to provide commercial financing to medium to large-sized private sector-led infrastructure projects with a total project cost of at least \$20 million. Component 2 will provide Asian Development Fund (ADF) financing to IDCOL for the further expansion of its successful SHS program which has so far provided financing of more than 1 million SHS through a microfinance-based, direct sales program. Component 3 will provide ADF funding for IDCOL's ongoing RE program by financing RE applications-other than solar-such as biogas, biomass, and wind energy installations.

Business Opportunities:

- Consulting Services: To be determined
  
- Procurement Notices: To be determined

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**K. Coastal Towns Infrastructure Improvement Project**

**Project No.** : 44212-013 (Proposed)  
**Amount (US \$ million)** : 52  
**Executing Agencies** : Local Government Engineering Department  
**Sector** : Water Supply and Sanitation

*Status:* Management Review Meeting on 16 September 2013

*Description:* The project takes a holistic and integrated approach to urban environmental improvement in vulnerable Bangladesh's coastal towns, which suffer deficits in basic urban services and are severely at risk to the impacts of climate change. It will provide climate resilient municipal infrastructure, including water supply, sanitation, drainage, flood protection, urban roads, and solid waste management facilities, and will strengthen institutional capacity and local governance for operating, maintaining, and expanding access to such services. The project will also mainstream climate resilience into urban planning. The Local Government Engineering Department (LGED), with extensive experience in managing Asian Development Bank (ADB) and other donor supported urban projects, will be the Executing Agency for the Project. Climate change and variability are critical development issues for Bangladesh, particularly in its low lying coastal areas naturally exposed to sea level rise, storm surges, and more frequent and intense storm events. The government, in its Sixth Five-Year Plan, FY2011 FY2015, has targeted assistance to vulnerable coastal populations with improvements in climate resilient water supply, sanitation, drainage, and flood protection infrastructure. The project was prioritized in the government's 2010 Strategic Program for Climate Resilience (SPCR), prepared under the Pilot Program for Climate Resilience (PPCR). As a key component of the SPCR, the project is eligible for financing from the Strategic Climate Fund (SCF) within the multi-donor coordinated Climate Investment Funds (CIF) as a pilot project for demonstrating ways to mainstream climate resilience into development. The coastal areas of Bangladesh consist of three distinct regions, namely the western, central and eastern zones comprising 19 districts. The coastal towns, with population of around 7 million, include both smaller pourashavas

(secondary towns) and larger cities such as Khulna, Chittagong, and Barisal. Infrastructure is currently inadequate in these areas as they are either damaged by natural disasters or otherwise no longer functioning effectively. Weak local governance and municipal management coupled with high poverty incidence, and remote locations, create persistent development challenges to these areas. Climate change, variability, and natural disasters further aggravate development in coastal towns, with disproportionate impacts to women and the poor. The increased incidence of drought and saline intrusion (from sea level rise and storm surges) into groundwater, coupled with high non-revenue water, is posing serious risks to drinking water supplies, requiring the potential for developing new, but costlier, water supply sources located at far distances. Poor access to sanitation in coastal towns is also posing serious public and environmental health risks (Bangladesh is currently behind in achieving its MDG Target 10 indicators for urban sanitation). Drainage systems are underdeveloped and poorly maintained, and would be made further obsolete under more intense and frequent storm events. Given this scenario, future investments in urban infrastructure need to be climate-resilient to manage the long-term costs of investments, and to ensure that such investments deliver their intended benefits.

*Project Rationale and Linkage to Country/Regional Strategy:* The project will take a participatory approach to address the social, environmental, and institutional constraints to inclusive development in coastal towns, and will serve to pilot new approaches in climate adaptation to be scaled up under future investments. It will reflect lessons learned from the first and second Urban Governance and Infrastructure Improvement (Sector) Projects (UGIIP), TA 7197 Strengthening Resilience of the Water Sector in Khulna to Climate Change, TA 7848 Climate Change Capacity Building and Knowledge Management, and recommendations from the ongoing CDTA 7890 Strengthening the Resilience of the Urban Water Supply, Drainage, and Sanitation to Climate Change in Coastal Towns related to the location of water-intake works, the appropriate design of drainage systems, and urban wastewater discharge. The project will also closely coordinate with the World Bank and other donors working in the urban sector to avoid duplication and ensure complementarities. ADB's Country Operations Business Plan (2012-2014) lists the Coastal Towns Infrastructure Improvement Project for implementation in 2013. The project is consistent with ADB's Bangladesh Country Partnership Strategy (2011-2015) which targets assistance to vulnerable coastal areas in adapting to the risks of climate change, as well as ADB's urban and water operational plans.

*Impact:* Improved health in coastal town populations

*Outcome:* Improved access to more reliable and climate-resilient municipal services in coastal towns

*Outputs:*

1. Improved municipal infrastructure with climate-resilient design in coastal towns
2. Strengthened local governance and capacity for sustainable service delivery and urban planning
3. Awareness raising and behavioral change programs implemented
4. Project management and administration support established

Business Opportunities:

- Consulting Services: A firm and individual consultants will be recruited in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). Consulting firms will be recruited using Quality and Cost-Based Selection (QCBS) method with a quality:cost ratio of 80:20.
- Procurement: All procurement to be financed under the project will be carried out in accordance with ADB's Procurement Guidelines (2010, as amended from time to time).

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## BHUTAN

### A. Green Power Development Project II

**Project No.** : 44444-013 (Proposed)  
**Amount (US \$ million)** : 120  
**Executing Agencies** : Department of Energy  
**Sector** : Multisector

*Status:* Management Review Meeting on 15 July 2013

*Description:* The project outputs include: (i) operation of a 210 MW run-of-the-river Nikachhu hydropower plant and its associated transmission lines, and (ii) enhanced institutional capacity of DGPC in financial, social, and environmental terms. The project will generate power of 903,490 MWh on the average annually. Power generated is expected to be exported by Indian power trader(s) to neighboring countries including India and Bangladesh through the existing grid connected to India and planned one to Bangladesh. Given that clean and renewable power export will be counted as carbon saving, the resulting reduction of greenhouse gases equivalent to CO<sub>2</sub> emissions is estimated around 1,000,000 tons every year assuming on the Indian grid system benchmark.

*Project Rationale and Linkage to Country/Regional Strategy:* In 2008, ADB approved financing the Green Power Development Project for Bhutan to mainly promote the Dagachhu hydropower development (114 MW) for power export to India, through a public private partnership (PPP). While the cross-border power trading has physically been limited only between Bhutan and India in South Asia, ADB also decided to finance the transmission interconnection between Bangladesh and India in August 2010. These projects have created potential to expand power trading from the cross-border to regional dimension. The Green Power Development Project-II (the Project) is proposed to export Bhutan's hydropower to both Bangladesh and India through Indian power trader(s). The Project is a medium size run-of-the-river type (210 MW) which will have small environmental and social impacts unlike reservoir types. It is located on the Nikachhu River in Trongsa of the central Bhutan. The Government of Bhutan officially requested ADB for the project on 6 September 2010. Bhutan is the only South Asian country with a surplus of power for export. While there is seasonal demand and supply gaps particularly in dry winters, the country's annual generation capacity (around 1,500 MW) is significantly greater than its domestic demand; Bhutan is a net power exporter. Of total power generated, around 80% is exported to India as of 2010. Power exports account for more than 40% of national revenue and 25% of gross domestic product (GDP) in Bhutan. Hydropower infrastructure development also contributes another 25% of GDP through the construction sector. The revenue from power exports are the primary source for the government's socioeconomic development for health, education, agriculture and rural development. The hydropower development thus forms the backbone of Bhutan's economy and social lives. Bhutan's potential hydropower is 23,760 MW, 6% of which has been exploited to meet domestic consumption and the remainder is for export. On the other hand, neighboring countries including India and Bangladesh are experiencing a large power supply deficit and their power sources are dominated by fossil fuel-based thermal generation plants with greenhouse gas emission. Clean energy development for power export from Bhutan will increase energy supply stability, improve energy efficiency, and foster climate change mitigation on the sub-regional level. The development of a transmission interconnection between Bangladesh and India is expected to expand the subregional network potential. Given the fact that Bhutan has recently faced with shortage of power during the winter periods due to fast growing domestic demand and reduction of river water flows in the dry seasons, Bhutan also has economic incentives to import power from the neighboring countries during the lean seasons through the cross-border network. To establish the complementary relationship of power supply among the three countries and to diversify potential buyers and sellers are expected to step forward to a regional power trading market in a competitive environment and strengthen energy security with each other. Trilateral energy trade in the sub-region will eventually contribute to economic growth through deeper regional integration.

*Impact:* Increased power trading among Bhutan, Bangladesh and India

*Outcome:* Sub-regional commercial power trading platform created

*Outputs:* Nikachhu hydropower generation plant is operational DGPC' s institutional capacity is enhanced financially, socially, and environmentally.

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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Energy Division, SARD

**B. SASEC Road Connectivity Project (formerly Road Network Project II (Additional Financing))**

**Project No. :** 39225-034 (Proposed)  
**Amount (US \$ million) :** 40  
**Executing Agencies :** Department of Roads  
**Sector :** Transport and ICT

*Status:* Management Review Meeting on 15 July 2013

*Description:* The proposed Project will be a scale up of RNP II, and its objectives include enhancing the country's road transport connectivity by improving access to regional and global markets throughout the country. The Project will concentrate on expanding the country's road network by continuing construction of segments of the second east-west highway. It will enhance the project impact, outcome and outputs of RNP II to assist Bhutan's long term infrastructure plan of realizing the second east-west highway in the south.

*Impact:* Industrial development and regional trade promoted in the southern economic hubs

*Outcome:* Efficient, safe, and expanded capacity of road transport infrastructure in the southern region of Bhutan with India and through India to Bangladesh and Nepal

*Outputs:* Critical sections connected along the southern east-west corridor

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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## CAMBODIA

### A. Third Financial Sector Program - Subprogram 2

**Loan No.** : 3002  
**Project No.** : 42305-023  
**Amount (US \$ million)** : 15  
**Executing Agencies** : National Bank of Cambodia  
**Sector** : Finance

*Status:* Board approved on 14 May 2013

*Description:* The sequence of financial reforms in Cambodia has been guided by the Government's 10-year FSDS. A project preparatory technical assistance (PPTA) for \$850,000 (\$700,000 from ADB TASF IV) was approved in April 2010 to help the Government update the FSDS 2006-2015 and formulate the next cluster program. IMF and World Bank have recently completed the first financial sector assessment program (FSAP) on Cambodia that will provide useful inputs to the update of the 10-year FSDS. While FSP I has been rated successful by the independent evaluation department (IED), some of the reform measures were not widely enforced due to weak inter-ministerial coordination and capacity constraint. Prepared within the framework of the updated FSDS, the next program cluster (FSP III) will help complete some of the reform programs that commenced during FSP II, strengthen the enforcement of completed activities, and commence reform activities in leasing, capital market, and pension fund. The expected overall impact of the cluster program is a sound, market-based finance sector to enhance mobilization of financial resources to support sustainable economic growth. The expected outcome of the FSP III is a growing, resilient, and efficient financial system. FSP III is expected to be approved in November 2011. The National Bank of Cambodia will be the Executing Agency, and the Ministry of Economy and Finance (MEF) and Ministry of Commerce (MOC) will be the Implementing Agencies.

*Project Rationale and Linkage to Country/Regional Strategy:* The Government of Cambodia requested a program loan from the Asian Development Bank (ADB) during program consultations in 2009 to support Cambodia's on-going reforms of its finance sector. ADB has supported reforms in Cambodia's finance sector since 1999. As the finance sector moves towards a sound market oriented system, the proposed program will ensure that the momentum will not be lost on reforms initiated under the two ADB Financial Sector Programs (FSP I and II). The development of Cambodia's finance sector is one of five core areas that best support ADB's Strategy 2020 and its goal to reduce poverty in Cambodia. This is in line with the priority outlined in the Government's 5-year National Strategic Development Plan (NSDP) 2006-2010 and the draft NSDP 2011-2013. The proposed program cluster for a total of \$45 million (ADF) was included in the country operations business plan (COBP) 2009-2012. The development framework for Cambodia's finance sector is based on the 10-year Financial Sector Development Strategy 2001-2010 that was updated as the FSDS 2006-2015 and adopted by the Government in February 2007. Through ADB's first Financial Sector Program (FSP I) that commenced in 2001 and concluded in August 2007, the Government was able to lay the legal and regulatory foundations necessary for a sound, market-oriented financial sector. The government also took strong measures to consolidate the banking system and introduce more stringent requirements for capital adequacy, governance, and risk management. With positive results after FSP I, and to ensure the durability of its reform program and greater accessibility to financial services by ordinary citizens, the Government requested continuing ADB support to the sector. This led to the design and approval of the FSP II in 2007. FSP II with a series of four single-tranche subprograms, commenced in September 2006 and completed in December 2010. FSP II helped to strengthen resilience, improve public confidence, improve financial intermediation, strengthen competition in the financial markets, ease financing constraints, update the associated legal and regulatory framework, and establish key financial infrastructures.

*Impact:* A sound, market-oriented finance sector to enhance the mobilization of financial resources

*Outcome:* A growing, resilient, and efficient financial system

*Outputs:* Finance sector efficiency enhanced Finance Sector stability maintained Confidence and financial intermediation improved Good governance promoted

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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Southeast Asia Department  
Public Management, Financial Sector and Trade Division, SERD

**B. Public-Private Partnership Development Project**

**Project No. : 46493-001 (Proposed)**  
**Amount (US \$ million) : 0.9**  
**Sector : Transport and ICT**

*Status:* Management Review Meeting on 15 July 2013

*Impact:* Increase private sector investment in infrastructure to accelerate Cambodia's economic growth

*Outcome:* Improved enabling environment to catalyze PPPs and infrastructure investments

Business Opportunities:

Consulting Services: To be determined

Procurement Notices: To be determined

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Southeast Asia Department  
Public Management, Financial Sector and Trade Division, SERD

**C. Urban Water Supply and Sanitation (formerly Rural Water Supply and Sanitation Project III)**

**Project No. : 41403-013 (Proposed)**  
**Amount (US \$ million) : 15**  
**Sector : Water Supply and Sanitation**

*Status:* Management Review Meeting scheduled on 15 August 2013

*Impact:* Expanded access to sustainable and safe water supply services for the urban population in Cambodia

*Outcome:* Improved water supply infrastructure and service provision in selected provincial waterworks.

*Outputs:*

1. Water treatment plants provided or improved
2. Water distribution systems improved and coverage increased
3. Existing pumping stations rehabilitated
4. Institutional capacity of MIME and regulatory system strengthened

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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Southeast Asia Department  
Urban Development and Water Division, SERD

**D. Climate Resilient Rice Commercialization Sector Development Program**

**Project No. :** 44321-013 (Proposed)  
**Amount (US \$ million) :** 55  
**Executing Agencies :** Ministry of Economy and Finance  
Ministry of Agriculture, Forestry & Fisheries

**Sector :** Multisector

*Status:* Management Review Meeting scheduled on 13 February 2013

*Description:* The Climate Resilient Rice Commercialization Sector Development Program (SDP) is proposed to support and accelerate the efficient and effective implementation of the Strategy on Agriculture and Water (SAW) and the Policy on the Promotion of Paddy Production and Rice Export (the Rice Policy). It will address food security and rice commercialization by prioritizing: (i) strengthening the rice value chain; (ii) improving the legal and regulatory framework in agricultural land management; (iii) improving access to credit by paddy producers and rice millers/exporters; and (iv) enhancing paddy production and productivity through improved irrigation water use efficiency, establishment of paddy post-harvesting facilities, and paddy crop insurance pilots. The SDP will: (i) address major strategic thrusts of the 2011 - 2013 Country Partnership Strategy, and sector strategies and roadmap; and (ii) complement the on-going sector initiatives by emphasizing the commercialization aspects of rice.

*Impact:* Increased Net Incomes of Stakeholders along the Rice Value Chain

*Outcome:* Enhanced Production of Quality Rice in Cambodia while preserving the natural resource base

*Outputs:*

- A Conducive Legal and Regulatory Environment Established to Facilitate Rice Commercialization
- Agricultural Land-use Zoning Improved
- Climate Resilient Rice Value Chain Infrastructure Developed
- Enhanced Rice Value Chain Support Services to Improve Quality of Cambodian Rice
- Weather-indexed Crop Insurance (WICI) Piloted
- Efficient Program Management and Implementation

Business Opportunities:

- Consulting Services: The project preparatory technical assistance (PPTA) will require 42 person months of international consultants and 53 person months of national consultant. ADB will

engage, on an individual basis, four international consultants for a total of 13 person-months and four national consultants for a total of 12 person-months. The remaining international consultants (29 person months) and national consultants (41 person months) will be engaged through a firm, or association of firms. The ADB will engage all the consultants in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).

- Procurement: Procurement packages will be determined on the basis of the project design.

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Environment, Natural Resources & Agriculture Division, SERD

## CHINA

### A. Jiangxi Ji'an Sustainable Urban Transport Project

**Project No.** : 45022-002 (Proposed)  
**Amount (US \$ million)** : 120  
**Sector** : Transport and ICT

*Status:* Management Review Meeting on 21 April 2013

*Impact:* A safe, efficient and more environmentally sustainable urban transport system is established.

*Outcome:* Efficient multimodal accessibility to the new main railway station is established.

*Outputs:*

1. Public transport hub constructed
2. Station access roads completed
3. Bus Rapid Transit system established
4. Station square constructed
5. Green zone completed
6. Energy efficiency measures completed

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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Transport and Communications Division, EARD

### **B. Yuxi-Mohan Subregional Railway Link Project**

**Project No.** : 45031-002 (Proposed)  
**Amount (US \$ million)** : 150  
**Sector** : Transport and ICT

*Status:* Management Review Meeting on 19 Jun 2013

*Impact:* A sustainable and efficient railway transport system developed in Yunnan province

*Outcome:* Improved efficient and low-carbon railway system in Yunnan that further connect to greater Mekong Subregion (GMS) countries

*Outputs:*

1. Completed subregional railway infrastructure and associated facilities
2. Energy efficiency, emissions reduction, and safety enhancement
3. Jinghong multimodal passenger hub
4. Tourism facilities completed
5. Yuxi-Mohan subregional logistics corridor formed

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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Transport and Communications Division, EARD

### **C. Jilin Urban Services Improvement Project**

**Project No.** : 46048-002 (Proposed)  
**Amount (US \$ million)** : 150  
**Executing Agencies** : Jilin Provincial Government  
**Sector** : Multisector

*Status:* Management Review Meeting on 19 August 2014

*Description:* The proposed project will support the development of Baishan and Baicheng Cities in Jilin Province, the People's Republic of China (PRC) as livable and resource efficient medium-sized cities. It will address urgent infrastructure needs and make provision for: (i) streamlining integrated solid waste management (ISWM) based on 3R principles; (ii) improving water supply services in Baishan; and (iii) constructing urban road with associated facilities in Baicheng.

*Impact:* Improved quality of life in Baishan and Baicheng Cities

*Outcome:* Improved delivery of municipal services in Baishan and Baicheng Cities

*Outputs:*

- Efficient ISWM system in Baishan and Baicheng Cities
- Improved water supply management in Baishan City

- Improved coverage of urban roads and municipal services in Baicheng City
- Improved capacity and institutional arrangement

Business Opportunities:

- Consulting Services: In accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time), a consulting firm will be engaged using the quality- and cost-based selection method with a ratio of 90:10 using the simplified technical proposal procedure.
- Procurement Notices: To be determined

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Urban and Social Sectors Division, EARD

**D. Hubei-Yichang Sustainable Urban Transport Project**

**Project No. :** 45023-002 (Proposed)  
**Amount (US \$ million) :** 150  
**Executing Agencies :** Yichang Municipality Government  
**Sector :** Transport and ICT

*Status:* Management Review Meeting on 16 April 2013

*Description:* The Hubei-Yichang Municipal Government proposes a project with the following components: (i) road reconstruction and installation of bus rapid transit (BRT) corridor (18 kilometers [km]), (ii) establishing BRT services; (iii) construction of two road sections (24.7 km) to support logistics park development and to accommodate increasing pass-dam transshipment demand; and (iv) support for non-motorized transport (NMT), travel demand management (TDM) in Yichang central business district (CBD) through parking management. The proposed Project is aligned with the key thrusts of ADB's assistance to the PRC under the PRC Country Partnership Strategy (CPS) in the areas of: (i) inclusive growth and balanced development by promoting urbanization in less developed regions, and (ii) resource efficiency and environmental sustainability by promoting efficient and sustainable urban transport and transit-oriented development. The focus on public transport and multi-modal integration fits well with ADB's Sustainable Transport Initiative (STI)

*Project Rationale and Linkage to Country/Regional Strategy:* Yichang is facing two main transport challenges. The first challenge is to develop its transport system to support urban and industrial development in a sustainable way. The main districts, industrial sites, stations, and terminals need to be served by efficient public transport services to reduce transport cost, provide increased accessibility to jobs and services, and promote economic development. Currently bus services have no lane priority and the route structure is not adequately serving the city. The second challenge is to enhance the logistics hub function of Yichang by providing efficient accessibility to the logistic parks being developed in the city, and provide means of meeting the increasing demand for pass-dam transshipment. An efficient logistics hub function and increased pass-dam transshipment capacity will decrease logistics costs and environmental costs around the region by enabling increased use of inland waterways.

*Impact:* Sustainable and convenient urban transport and efficient logistics systems are built in Yichang City

*Outcome:* Sustainable and efficient transport system for public transport and logistics is provided.

*Outputs:*

1. BRT corridor built
2. TDM measures implemented

3. NMT measures implemented
4. Road network improvements constructed

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

*Responsible ADB Officer:* Ki-Joon Kim (E-mail: [kjkim@adb.org](mailto:kjkim@adb.org))  
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Transport and Communications Division, EARD

**E. Yunnan Sustainable Road Maintenance Project**

**Project No. :** 45030-002 (Proposed)  
**Amount (US \$ million) :** 80  
**Sector :** Transport and ICT

*Status:* Management Review Meeting on 18 October 2012

*Impact:* An accessible, affordable and safe transport system developed in Yunnan Province

*Outcome:* Improved road asset management in Yunnan Province

*Outputs:*

1. Road maintenance and rehabilitation program implemented
2. Good road maintenance implementation practices piloted
3. Institutional capacity to manage YHAB roads is strengthened

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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#### F. Yunnan Chuxiong Urban Environment Improvement Project

**Project No.** : 45507-003 (Proposed)  
**Amount (US \$ million)** : 150  
**Sector** : Transport and ICT

Project details yet to be released by ADB.

##### Business Opportunities:

- Consulting Services: To be determined
- Procurement: To be determined

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#### G. Anhui Huainan Urban Water Systems Integrated Rehabilitation Project

**Project No.** : 46078-002 (Proposed)  
**Amount (US \$ million)** : 150  
**Executing Agencies** : Huainan Municipal Government  
**Sector** : Multisector

*Status:* Management Review Meeting scheduled on 28 June 2013

*Description:* The impact of the project will be improved urban water environment, public health, and quality of life for urban residents in the Huainan municipality. The outcome of the project will be improved management of surface water resources in the Huainan municipality. The project will have the following components which are all linked to each other:

- Component 1: Improvement of wastewater collection and transmission systems. This component will include installation of 115.2-kilometer (km) new main wastewater collection and transmission pipes in the eastern area of the Huainan municipality, and installation of 63.7-km new main wastewater collection and transmission pipes and construction of three new pump stations for wastewater transmission in the western area.
- Component 2: Improvement of urban water channels. This component will include improvement of existing 7.6-km Bagongshang water channel, 8.7-km Xiejiaji water channel, 13.8-km Donghua water channel, 0.5-km Old Longwang water channel, and 3.5-km Longwang water channel; and construction of a new 8.1-km Longwang flood diversion water channel. Activities under this component will include: (i) sludge removal from the five existing urban water channels; (ii) improvement or construction of the water channels to improve the urban water environment and increase flood flow capacity to meet 1/20 year-level storm water; (iii) installation of new wastewater collection and transmission pipes along the channels to intercept wastewater inflow into the channels; and (iv) promotion of international best practices of nonstructural measures, such as reduction of garbage dumping along the channels and their tributaries; setting and securing of environmental flow in the channels; sustainable maintenance of the channels; monitoring of water quality and ecosystem; and capacity and institutional strengthening.
- Component 3: Improvement of lakes and wetlands. This component will include two subcomponents. Subcomponent 3.1: Increase of flood control capacities will include construction

of 13-km embankments and four pump stations along Gaotang Lake, improvement of the Dajiangou and Long Lake pump stations, and reconstruction of the Caozhuizi and Shijian Lake pump stations to increase flood control capacities to meet 1/20 year-level storm water. Subcomponent 3.2: Improvement of water environment will include improvement of water environment in Gaotang Lake, Dajiangou wetland, Long Lake, Caoling Lake, and Shijian Lake. Activities to improve water environment may include, but are not limited to, (i) sludge removal (footnote 3); (ii) plantation for water self-purification; and (iii) promotion of international best practices of nonstructural measures, such as monitoring of water quality and ecosystem; species recovery; public awareness raising and education; and capacity and institutional strengthening. Component 4: Project management support and capacity development. Activities under this component will include (i) consultants support for project management; (ii) institutional and capacity strengthening for project management, and operation and maintenance of the infrastructure; and (iii) provision of equipment for project management.

*Impact:* Improved urban water environment, public health, and quality of life for urban residents in Huainan municipality

*Outcome:* Improved management of surface water resources in Huainan municipality

*Outputs:*

1. Wastewater collection systems improved
2. Urban water channels improved
3. Lakes and wetlands improved: (i) flood control capacities increased, and (ii) water environment improved
4. Project management support provided and capacity development undertaken

Business Opportunities:

- Consulting Services: Consultants will be required for the promotion of international best practices of nonstructural measures to improve water environment, and project management support and capacity development. All consultants will be hired following ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
- Procurement: All ADB-financed procurement will be conducted following ADB's Procurement Guidelines (2010, as amended from time to time). A procurement agency will be hired to conduct procurement on behalf of the implementing agencies.

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#### H. Jiangxi Zhelin Lake Water Resources Integrated Utilization Project

**Project No.** : 46080-002 (Proposed)  
**Amount (US \$ million)** : 100  
**Executing Agencies** : Jiujiang Municipal Development and Reform Com.  
**Sector** : Multisector

*Status:* Management Review Meeting scheduled on 26 September 2013

*Impact:* Improved sustainability of socio-economic growth in Jiujiang Municipality

*Outcome:* Reliable and sustainable secondary water source for Jiujiang Municipality

*Outputs:* Improved watershed services at Zhelin Lake and Xiu River Integrated utilization of water resources downstream of Zhelin Lake Enhanced water supply infrastructure in Jiujiang Municipality Strengthened institutional and management capacity

#### Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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#### I. Hubei Huanggang Integrated Urban Environment Improvement Project

**Project No.** : 46050-002 (Proposed)  
**Amount (US \$ million)** : 100  
**Executing Agencies** : Huanggang Municipal Government  
**Sector** : Multisector

*Status:* Management Review Meeting on 31 January 2014

*Description:* The proposed project aims to promote environmentally sustainable and socially inclusive urbanization in Huanggang Municipality in Hubei Province, the People's Republic of China (PRC) through improvements in urban environmental infrastructure and management services. The project will support urban lake and river enhancement, solid waste management, urban roads and associated utility networks, and capacity development of related urban services. Huanggang is located in eastern Hubei Province, approximately 78 kilometers (km) away from the provincial capital of Wuhan. Huanggang is the second most populated municipality in Hubei Province with 7.46 million residents. Building on traditionally rural-based economy, Huanggang is the poorest municipality in the province and has relatively low urbanization rate of 35.7%. Huanggang Municipal Government (HMG), in its Twelfth Five-Year Plan (12th FYP), targets to transform its economic structure and facilitate urbanization with expanded secondary and tertiary industries.

*Project Rationale and Linkage to Country/Regional Strategy:* The project aligns with ADB's 2011-2015 country partnership strategy for the PRC, promoting sustainable and environment-friendly urban development. It will support economically and socially inclusive urbanization and rural-urban transition in

Huanggang and contribute to balanced regional development in the PRC as well as in Hubei Province, thereby supporting the PRC's 12<sup>th</sup> FYP. The project will build on ADB's experiences and lessons gained from previous urban projects in Hubei, and various policy-oriented technical assistance projects and knowledge products on water resources management, wetlands, climate change adaptation, and small- and medium-sized cities' development in the PRC.

*Impact:* Socially inclusive and environmentally sustainable urbanization in Huanggang

*Outcome:* Improved urban environmental infrastructure and management services in Huanggang

*Outputs:*

- Lakes and rivers are enhanced with environment facilities operating
- Solid waste collection and transfer facilities are operating
- Urban roads are opened to traffic and related services are operating
- Capacity developed and institutions strengthened

Business Opportunities:

- Consulting Services: The PMO and HUCIC will be assisted by project implementation consultants for project management and institutional capacity building. Consulting services will be engaged in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
- Procurement: To be determined;;all procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines (2010, as amended from time to time).

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**J. Guangdong Chaonan Water Resources Development and Protection Demonstration Project**

**Project No. :** 46079-002 (Proposed)  
**Amount (US \$ million) :** 100  
**Executing Agencies :** Guangdong Provincial Government (GPG)  
**Sector :** Multisector

*Status:* Management Review Meeting scheduled on 27 September 2013

*Description:* The expected impact of the project will be sustained economic development in Chaonan District. The outcome of the project will be improved and equitable water supply services inclusive of urban and rural residents in Chaonan District. The project will include four outputs: (i) improved water resources protection, (ii) inclusive urban and rural water supply system, (iii) increased awareness on environment and sanitation, and (iv) strengthened institutional and staff capacity.

- Improved water resources protection. This output will support: (i) reforestation around the three major reservoir areas in the district; (ii) research on pollution prevention and control measures in the reservoir areas; and (iii) pilot programs on solid waste collection and treatment, and nonpoint source pollution control.
- Inclusive urban and rural water supply system. This output will support: (i) the expansion of the capacity of two water supply plants (Quifeng and Jinxi) from 110,000 cubic meters per day to 182,000 cubic meters per day; (ii) the construction of the Longxi water supply plant with a capacity of 100,000 cubic meters per day; (iii) rehabilitation and newly installation of water delivery and distribution pipelines, including an integrated system connecting the three water supply systems; (iv) construction of an operational center for the integrated water supply system;

and (v) establishment of about 40 small-scale water supply facilities for rural residents in hilly areas.

- Increased awareness on environment and sanitation. This output will support the development of education and training materials for schools, training of school teachers, public awareness campaign, training equipment, and media communication.
- Strengthened institutional and staff capacity. This output will: (i) provide training, workshops, and study tours; (ii) establish a water quality monitoring center; (iii) develop a monitoring and regulatory system for dam safety and reservoir operations; and (iv) formulate two plans on water resources development and management, and pollution control; and (v) establish a proper operational model for the water supply company aligned to the new integrated water supply system.

Business Opportunities:

- Consulting Services: It is estimated that about 18 person-months of staff time will be required to prepare the project. A project preparatory technical assistance (PPTA) is requested to help prepare the proposed project that would be compliant with ADB's and the government's requirements. It is expected that 12 person-months of international and 32 person-months of national consultants are required. The consultants will support the executing and implementing agencies in completing the project feasibility studies and safeguard documents to a standard consistent with the requirements of ADB and the government. The consultants will also provide start-up project implementation support to the executing and implementing agencies. ADB's Guidelines on the Use of Consultants (2010, as amended from time to time) will be applied in recruiting consultants.
- Procurement Notices: To be determined

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**K. Yunnan Pu'er Regional Integrated Road Network Development Project**

**Project No.** : 46040-003 (Proposed)  
**Amount (US \$ million)** : 200  
**Sector** : Transport and ICT

*Status:* Management Review Meeting scheduled on 5 November 2013

*Impact:* Regional integration and trade between Yunnan Pu'er and neighboring countries is enhanced

*Outcome:* Accessibility between rural and border areas and the regional transport network in Yunnan Pu'er is improved

*Outputs:*

1. Rural roads upgraded from earthen roads to paved Class IV standards
2. Ning'er-Jiangcheng-Longfu road rehabilitated to Class IV and Class III standards
3. Simao-Ning'er road constructed to Class II standards
4. Community development

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

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#### **L. Anhui Intermodal Sustainable Transport Development Project**

**Project No.** : 45021-002 (Proposed)  
**Amount (US \$ million)** : 200  
**Executing Agencies** : Anhui Provincial Government  
**Sector** : Transport and ICT

*Status:* Management Review Meeting scheduled on 17 October 2013

*Impact:* An environmentally sustainable and multimodal transport system developed in Anhui province

*Outcome:* An efficient, safe and affordable multimodal transport system developed in Wangjiang Demonstration Zone

*Outputs:* Road network and safety improved Inland waterway network and safety improved Institutional capacity developed

#### Business Opportunities:

- **Consulting Services:** The project preparatory technical assistance (PPTA) will be implemented using a combination of individual consultants and an international consulting firm. Individual consultants will be engaged for selected activities such as road safety and logistics.
- **Procurement:** All procurement to be financed under the ADB loan will be carried out in accordance with ADB's Procurement Guidelines (2010, as amended from time to time). All consultant services will be recruited using quality and cost-based selection in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).

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#### **M. Inner Mongolia Road Development Project**

**Project No.** : 43029-013 (Proposed)  
**Amount (US \$ million)** : 200  
**Sector** : Transport and ICT

*Impact:* Sustainable road transport system in Inner Mongolia to support the Regional Development Strategy

*Outcome:* A safe and efficient, road transport network in Hulunbeier is developed.

#### *Outputs:*

Highway upgrading and road safety improvements  
Rehabilitation of rural roads  
Cross border transport improvement and trade facilitation  
Support for community based eco-tourism and environmental conservation

*Status:* Management Review Meeting on 19 March 2013

Business Opportunities:

- Consulting Services: To be determined
- Procurement: To be determined

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**N. Henan Value Chain and Products Safety Demonstration Project**

**Project No. :** 46081-002 (Proposed)  
**Amount (US \$ million) :** 80  
**Sector :** Multisector

*Status:* Management Review Meeting on 29 October 2013

*Impact:* Improved safety of livestock products made in Henan province

*Outcome:* Sustainable livestock value chains demonstrated in project counties that deliver quality food

*Outputs:*

- Livestock product safety monitoring and testing system developed and operated
- Environmentally-sustainable livestock production and processing implemented
- Effective project management and monitoring

Business Opportunities:

- Consulting Services: To be determined
- Procurement: To be determined

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**O. Qinghai Delinha Concentrated Solar Energy Plant Project**

**Project No. :** 46058-002 (Proposed)  
**Amount (US \$ million) :** 150  
**Executing Agencies :** China Guangdong Nuclear Power Holding Co., Ltd.  
**Sector :** Energy

*Status:* Management Review Meeting on 11 July 2013

*Description:* The proposed Qinghai Delinha Solar Thermal Plant Project (the Project) will construct 50 megawatt (MW) concentrating solar thermal power (CSP) plant in Qinghai Province. The Project is the first-of-its-kind utility scale CSP plant in the People's Republic of China (PRC). A project preparatory technical assistance (TA) will be undertaken for the due diligence of the Project.

*Impact:* Expanded share of CSP plants in renewable energy mix in the PRC

*Outcome:* Successful commercial operation of the utility scale CSP plant with thermal storage system in Qinghai province

*Outputs:* Construction of 50 MW CSP plant with thermal storage in Qinghai province

Business Opportunities:

- **Consulting Services:** The technical assistance (TA) will take a unique approach (two stages of consulting services) to use efficiently the limited loan processing time and to effectively guide the executing and implementing agency since the initial stage of project preparation, which is necessary to improve technical and financial viability of the proposed project. Part 1 (preliminary design review and technical guidance, initial financial viability assessment, and advance procurement support) will require a total of 5 person-months of three individual international consultants and 5 person-months of two individual national consultants while Part 2 (detailed due diligence, technical guidance, and capacity development) will require a total of 12 person-months of five international and 15 person-months of four national consulting services. Part 1 will be implemented while the selection of consulting services of Part 2 is underway. Early engagement of Part 1 consultant is essential to ensure quality of design, assess possible financial viability gap, and advance procurement support. The outputs delivered by the consultants of Part 1 will be carried over to the consultants of Part 2. All international and national consultants will be engaged by ADB in accordance with the Guidelines on the Use of Consultants (2010, as amended from time to time).
- **Procurement:** The procurement of equipment by consultants, under the TA, will follow ADBs Procurement Guidelines (2010, as amended from time to time). The proceeds of the TA will be disbursed in line with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time).

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Energy Division, EARD

**P. Xinjiang Integrated Urban Development**

**Project No. :** 45508-002 (Proposed)  
**Amount (US \$ million) :** 200  
**Executing Agencies :** Government of Xinjiang Uygur Autonomous Region  
**Sector :** Multisector

*Status:* Management Review Meeting on 8 March 2013

*Description:* The project will improve urban infrastructure facilities and the environment in the cities of Kelayami and Kuitun in the Xinjiang Uygur Autonomous Region (XUAR), which will contribute to sustainable economic growth and improve the quality of life for about 330,000 urban residents in the two project cities.

*Impact:* Improved living conditions and environmental sustainability in the cities of Kelayami and Kuitun

*Outcome:* Improved urban management and services, including upgraded water, roads, and flood control in the project cities

**Outputs:**

- 1.Improvement of Kelayami's Urban Infrastructure
  - 1.1 Nanjiao wastewater treatment upgrading

- 1.2 Wetland construction and treated wastewater storage
  - 1.3 Wastewater reuse
  - 1.4 New road construction
  - 1.5 Improved water management
2. Improvement of Kuitun's Urban Infrastructure
- 2.1 City urban drainage channel flood management
  - 2.2 Improved water management
3. Project Management and Capacity Building Capacity to deliver municipal services to standards required under PRC regulations and in line with customer expectations

Business Opportunities:

- Consulting Services: All consultants will be recruited according to ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). An estimated 124 person-months (9 international and 115 national) of consulting services are required to: (i) facilitate project management and implementation, and (ii) strengthen the institutional and operational capacity of the executing agency. Consulting firms will be engaged using the quality- and cost-based selection method with a standard quality: cost ratio of 80:20 and a full technical proposal will be required for the bidding.
- Procurement: All procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines. International competitive bidding procedures will be used for civil works contracts estimated to exceed \$10 million, and goods contracts estimated to exceed \$1 million. Contracts for goods and for works estimated to cost less than the above international competitive bidding threshold values, but more than \$100,000 for goods and \$100,000 for works, will be procured on the basis of national competitive bidding procedures in accordance with the People's Republic of China (PRC) Tendering and Bidding Law (1999), subject to modifications agreed upon with ADB. Shopping will be used for contracts for procurement of works and equipment worth less than \$100,000 and \$100,000, respectively.

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**Q. Chongqing Urban-Rural Infrastructure Development Demonstration II Project**

**Project No. :** 45509-002 (Proposed)  
**Amount (US \$ million) :** 150  
**Executing Agencies :** Chongqing Municipal Government  
Xie Yushan (Ms.), Director Assistant, Chongqing PMO

**Sector :** Multisector

*Status:* Management Review Meeting scheduled on 11 April 2013

*Description:* Chongqing is one of four centrally-administered municipalities of the People's Republic of China (PRC). Located in the upper middle reaches of the Yangtze River, Chongqing is a part of the less-developed western region which is targeted by the PRC's national preferential policies under the National Strategy for Development of the West (NSDW). Although the NSDW has contributed to double Chongqing's gross domestic product (GDP) in the past five years, economic benefits have been unevenly distributed due to Chongqing's topographical characteristics of vast hinterlands and predominantly hilly and mountainous terrain. In Chongqing, a few rapidly developing central districts co-exist with poverty-

stricken peripheral counties, and widening development gaps among districts and counties. Within districts and counties, imbalanced socioeconomic development is also increasingly evident where urban expansion meets rural areas. The urban-rural average income gap increased to 3.4 times in 2010 and 1.45 million people live below the designated poverty line of CNY1,400 per annum. In accordance with the national and municipal strategic priorities, Chongqing has shifted its focus from traditional centralized urban development to balanced urban-rural development. However, many rural villages, small towns and cities still struggle with poor basic infrastructures. In addition to insufficient rural road access and limited water supply provision, frequent flooding in second and third-tier cities becomes a clear development hindrance.

*Impact:* Improved living standards and quality of life to support balanced urban-rural development in project districts and counties

*Outcome:* Improved access to safe drinking water and all-weather roads, and resilience to flood risk in project districts and counties

*Outputs:*

- Rongchang Rongfeng river flood dikes and enhanced landscaping are operating.
- Wulong Wujiang river south bank flood dikes are operating Youyang Longtan river flood dikes are operating Fuling urban-rural road and bridges are opened for traffic.
- Shizhu urban-rural roads and bridges are opened for traffic.
- Wanzhou Yangliu water supply facilities, sludge treatment facilities, pumps and associated operation facilities are operating.
- Project management and capacity building provided to the executing agency and implementing agencies Chengkou urban-rural road and tunnel are opened for traffic

Business Opportunities:

- **Consulting Services:** In accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time), a consulting firm will be engaged using the quality- and cost-based selection method with a quality:cost ratio of 90:10 using the simplified technical proposal procedure. The terms of reference for the consultant team is subdivided to technical, financial and economic, safeguards and social, and governance teams. The project will engage a total of 13.5 person-months of international position, while a total of 33 person-months for national position.
- **Procurement Notices:** There are no procurement notices currently available for this project.

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**R. Guangxi Baise Integrated Urban Environment Rehabilitation**

**Project No. :** 44022-023 (Proposed)  
**Amount (US \$ million) :** 80  
**Executing Agencies :** Baise Municipal Government (BMG)  
**Sector :** Multisector

*Status:* Management Review Meeting scheduled on 7 June 2013

*Description:* The project will directly contribute to poverty reduction by focusing on managing the environmental and social impacts of economic transformation in the city through eliminating highly polluting industries, supporting a new well-regulated industrial zone, and upgrading the living conditions of residents of the old industrial area. The impact of the project is the sustained urban development of

Baise towards an environment friendly and livable city. The outcome of the project is a cluster of environment friendly and livable demonstration urban communities developed in Baise City. The project will adopt an integrated urban development approach to produce the following: (i) industrial clean-up and relocation, (ii) ecological restoration and rehabilitation, and (iii) community development and upgrading.

**Impact:** Sustained urban development of Baise towards an environment friendly and livable city

**Outcome:** A cluster of environment friendly and livable demonstration urban communities developed in Baise City

**Outputs:**

1. Clean-up and/or relocation of highly polluting factories from urban residential area for technical upgrading and continued operation in the industrial park
2. Restored and rehabilitated the polluted ecological system and landscape in the project area
3. Urban communities upgraded in the project area

**Business Opportunities:**

- **Consulting Services:** All consultants will be recruited according to ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
- **Procurement:** All procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines (2010, as amended from time to time).

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### **S. Gansu Jiuquan Integrated Urban Environment Improvement Project**

**Loan No. :** 3003  
**Project No. :** 45506-002  
**Amount (US \$ million) :** 100  
**Executing Agencies :** Jiuquan Municipal Government  
**Sector :** Multisector

**Status:** Board approved on 14 June 2013

**Description:** The project aims to promote environmentally sustainable and socioeconomically inclusive urban development in Jiuquan, Gansu province, by upgrading urban infrastructure and services. The project will support wastewater management, urban transport and utility facilities, windbreak plantation, and related services.

**Impact:** Environmentally sustainable and socioeconomically inclusive urban development in Jiuquan

**Outcome:** Improved urban infrastructure and services in Jiuquan

**Outputs:**

- Wastewater collection and treatment system is operating
- Urban transport and utility facilities are operating
- Windbreak tree screens planted Capacity developed and institutions strengthened

Business Opportunities:

- Consulting Services: Consulting services will be engaged in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time), whose input requirements and selection method will be determined during project preparation.
- Procurement: All procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines (2010, as amended from time to time).

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**T. Xinjiang Tacheng Border Cities and Counties Development Project**

**Project No. :** 46063-002 (Proposed)  
**Amount (US \$ million) :** 150  
**Sector :** Transport and ICT

*Status:* Management Review Meeting scheduled on 25 April 2014

*Description:* The proposed project aims to enhance the living conditions of urban residents of Tacheng City, and of E min, Yumin, and Tuoli counties, in the Xinjiang Uygur Autonomous Region (XUAR), the People's Republic of China (PRC). It is a multisectoral and integrated urban upgrading project that will address urgent infrastructure needs, including: (i) rehabilitation of the Kalanguer urban river corridor and provision of wind-break tree screening; (ii) upgrading of peri-urban areas through construction of urban road and associated utility infrastructure; (iii) provision of new urban infrastructure services to Baktu Liaota New Area (Tacheng City); and (iv) strengthening the institutional capacity for sustainable urban development, planning, and management of Tacheng Municipal Government (TMG).

*Impact:* Improved living conditions through socially inclusive and environmentally sustainable urbanization in Tacheng City and county cities of E'min, Tuoli, and Yumin

*Outcome:* Improved urban environmental infrastructure and management services in Tacheng City and county cities of E'min, Tuoli, and Yumin

*Outputs:*

1. Kalanguer River is rehabilitated.
2. Urban wastewater treatment plant is completed.
3. Urban centralized heating system is upgraded.
4. Urban roads are opened to traffic and associated utility pipeline network and facilities are operating.
5. Institutional capacity is developed and project management support is provided

Business Opportunities:

- Consulting Services: It is expected that the project will finance international and national consulting services to support project implementation, management, and institutional capacity building. These requirements will be determined during project preparatory technical assistance (PPTA) implementation and consulting services will be engaged in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
- Procurement: All procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines (2010, as amended from time to time). A procurement agent will be hired to support the executing and implementing agencies. Advance contracting and retroactive financing will be considered.

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#### **U. Guangxi Nanning Vocational Education Development**

**Project No.** : 46047-002 (Proposed)  
**Amount (US \$ million)** : 50  
**Sector** : Education

*Status:* Management Review Meeting scheduled on 2 August 2013

*Description:* The proposed project will help improve the capacity and effectiveness of social services focused technical and vocational education and training (TVET) in Nanning. It will support improvement of No. 4 Vocational Secondary School and Nanning Health School, thereby creating a cadre of qualified kindergarten teachers and nurses to address current skilled worker shortages and inadequate extension of social services. The proposed project will be only the second Asian Development Bank (ADB)-financed TVET investment project in the People's Republic of China (PRC), and will play a demonstration role for the sector and provinces seeking to provide quality public social services.

*Impact:* Improved delivery of public social services (preschool, health) in Nanning

*Outcome:* Improved human resources and capacity of TVET in Nanning No. 4 Vocational School and Nanning Health School

*Outputs:* Upgraded facilities Upgraded equipment Capacity strengthened and demonstration pilots on TVET implemented

#### **Business Opportunities:**

- **Consulting Services:** The consulting services will be engaged by ADB, in accordance with ADB Guidelines on the Use of Consultants (2010, as amended from time to time), to ensure immediate mobilization to facilitate project scoping. ADB will select and engage an international firm based on the quality of the proposal (80%) and the cost (20%) of the services to be provided (the quality- and cost-based selection method, QCBS) using the simplified technical proposal procedure. A total of 54 person-months of consulting services (18 international and 36 national) are required. The firm will provide expertise in TVET, labor market analysis, competency-based curriculum, services-school collaboration, training of instructors, management of TVET, finance and economics, engineering, poverty and social assessment and development, resettlement, environment, institutional development, and project management.
- **Procurement Notices:** To be determined

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## V. Hunan Technical and Vocational Education and Training Demonstration Project

**Project No.** : 45511-006 (Proposed)  
**Amount (US \$ million)** : 50  
**Executing Agencies** : Hunan Provincial Government  
**Sector** : Education

*Status:* Management Review Meeting scheduled on 28 February 2013

*Description:* The project will provide targeted support to 13 public technical and vocational education and training (TVET) institutions in Hunan to strengthen the capability to deliver demand-driven quality programs related to priority industries. The project will: (i) build capacity of the industry advisory groups (IAGs) and foster partnerships between 13 project TVET institutions and employers to jointly develop the skills needed at the work place, and prepare graduates who are able to adjust to changing demands in the labor market quickly; (ii) modernize the curriculum by developing competency-based curriculum in priority areas, (iii) upgrade instructional capacity of vocational instructors; (iv) build management capacity in strategic planning, monitoring key performance indicators, and linkages with the industry; (v) pilot a labor market information system to identify priority skills areas and to adjust TVET programs to meet the skill requirements of Hunan's workforce; (vi) develop institutional partnerships between selected project TVET institutions and overseas vocational colleges for international benchmarking, student and faculty exchange, joint curriculum revision, and to foster a learning culture in the project TVET institutions through twinning arrangements; and (vii) upgrade equipment and facilities in selected TVET institutions. The project will set up curriculum development committees with industry representation to develop modular curricula and a TVET review committee with qualified industry experts to validate the curriculum and other project outputs, and to ensure the curriculum meets identified industry needs. Training equipment will be approved by relevant IAGs. Strategic fit. The project is the first Asian Development Bank (ADB)-financed lending project for TVET in the People's Republic of China (PRC) and is envisaged to play a demonstration role for TVET development in the country. Because worker skills and education are viewed as a constraint to the PRC's inclusive growth, ADB involvement in the TVET sector is strongly justified. The project supports ADB's education policy and education sector strategies and Strategy 2020: The Long-Term Strategic Framework of the Asian Development Bank 2008- 2020 . It aligns with the ADB's PRC country partnership strategy (2011- 2015) and supports the PRC's 12th Five-Year Plan, which prioritizes developing high-quality human resources, increasing scientific and technological innovations, and accelerating educational reform. The project has the following demonstration features for replication in other provinces of the PRC: (i) Industry involvement. The project will strengthen partnerships between TVET institutions and industries, and build capacity of sector-specific IAGs in the priority sectors; (ii) Promoting inclusive TVET through information communication technology. The project will broaden access for students from remote areas by developing online TVET courses and thus, will foster sharing of teaching and learning resources among well-developed TVET institutions in urban areas and disadvantaged TVET institutions in poor and remote areas to benefit students in project and non-project TVET institutions; and (iii) Greening TVET provision. The project will contribute to the PRC Government's objectives of developing an environmentally sustainable and energy-efficient society under its 12th Five-Year Plan by designing, constructing, and maintaining teaching and learning buildings that reduce energy and water use and promoting sustainable practices such as reducing, reusing, and recycling resources; encouraging selection of training equipment with low energy consumption; and skills mapping to identify skills needed for environmentally sustainable development in Hunan. Incorporation of the lessons learned. Lessons from activities in skills training supported by ADB and the World Bank were incorporated into the project design. The lessons learned include (i) actively involving representatives of industries and IAGs in identifying occupational areas that are in demand, developing competencies for the market-demanded occupational areas, and working with the project TVET institutions to develop modular, competency-based curricula and learning materials; (ii) conducting tracer studies of the trainees, and strengthening the capacity of the relevant government agencies and the TVET institutions to analyze labor market demand; and (iii) establishing a project benefit monitoring and evaluation system.

*Impact:* Skilled human resources contribute to inclusive growth and social development in Hunan province

*Outcome:* Strengthened capacity of the TVET system to meet labor market needs

*Outputs:*

1. Improved quality and management of TVET system
2. Upgraded facilities and learning environments
3. Strengthened industry involvement in TVET
4. Project management support established

Business Opportunities:

- Consulting Services: All consultants will be recruited according to ADB's Guidelines on the Use of Consultants.
- Procurement: All procurement of goods and works will be undertaken in accordance with the Asian Development Bank's (ADB) Procurement Guidelines.

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**W. Gansu Jinta Concentrated Solar Power Project**

**Project No. :** 47006-002 (Proposed)  
**Amount (US \$ million) :** 100  
**Executing Agencies :** China Huadian Corp.  
**Sector :** Energy

*Status:* Management Review Meeting on 20 September 2013

*Impact:* Expanded share of CSP plants in the renewable energy mix in the PRC

*Outcome:* Demonstrated feasibility of a utility scale CSP plant

*Outputs:*

- Construct a 50 MW CSP plant with thermal storage including a natural gas back-up system in Gansu Province.
- Capacity development and training in CSP design, procurement, construction, and operation and management for technical risks assessment and mitigation measures.

Business Opportunities

- Procurement: To be determined
- Consulting services: To be determined

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## INDIA

### A. West Bengal North-South Corridor Project (formerly West Bengal Haldia Port Connectivity Project)

**Project No.** : 45265-001 (Proposed)  
**Amount (US \$ million)** : 300  
**Executing Agencies** : West Bengal Public Works (Roads) Department  
**Sector** : Transport and ICT

*Status:* Proposed; management review meeting scheduled on March 3, 2013

*Description:* The West Bengal Port Connectivity Project (the Project) will widen about 270 km of state highways in the state of West Bengal, India and strengthen the capacity of the West Bengal Public Works (Roads) Department (PWRD) to efficiently develop, operate and maintain state highway network. Consulting services will be provided to supervise the implementation of civil works. A Technical Assistance (TA) will be provided to modernize PWRD in terms of institutional development and private sector participation, with focus on overload control.

*Project Rationale and Linkage to Country/Regional Strategy:* The State of West Bengal is on the threshold of a new era of industrialization. One of the major infrastructural requirements of industry is proper road connectivity. The general condition of roads in West Bengal is not satisfactory and per capita road length is much below the country average. The vehicle population in the state has been increasing at an average of more than 10 percent; the rate of traffic growth is expected to rise along with increasing industrialization and development activities in the coming years. Therefore widening, strengthening, and upgrading of the road network, which is suffering from capacity and strength constraints, have become urgently necessary. Among the state road network, the connectivity with Haldia port is significantly important not only for the overall state economy but also subregional economy. The improved port connectivity will remove a critical bottleneck in the movement of freight and passengers not only from the northern parts of West Bengal and the northeastern states of India, but also neighboring landlocked counties, e.g., Bhutan and Nepal, to Haldia port. The Project provides alternative route to SAARC Highway Corridors 2 and 3. The proposed north-south corridor comprising State Highways 4 and 7 passes through the trunk backbone of West Bengal along districts with high poverty but with abundance of agricultural products. The development of this route will also maximize the effect of infrastructural development, economic growth and poverty reduction in this area. The Project will develop economy of project areas as well as provide neighboring countries with an alternative link to Haldia port for regional and global markets. Connectivity through improved transport has important implications for poverty reduction by offering new economic opportunities through better market linkages and increased employment possibilities. The Project is relevant to achieving results of the Country Strategy and Program (2009-2012), supporting regional cooperation and more port and intermodal connectivity; as well as the draft Regional Cooperation Strategy and Programs (2011-2015), improving South Asia subregional connectivity and facilitating intraregional trade in South Asia. The Project is included in the draft Country Operation Business Plan (2012-2014).

*Impact:* Improved the north-south connectivity of the state road network, including connection with the Haldia Port

*Outcome:* Efficient, reliable and safe road transport in West Bengal

*Outputs:*

1. Widened state roads
2. Improved capacities for overloading control
3. Improved capacity for road development and maintenance

Business Opportunities

- Consulting Services: International consulting firms and/or national consultants will be recruited for construction consultant supervision in accordance with ADB's Guidelines on the Use of Consultants (2007, as amended from time to time). Advance contracting will be undertaken to enhance project readiness.
- Procurement to be financed from the ADB loan will be undertaken in accordance with ADB's Procurement Guidelines (2007, as amended from time to time). Advance contracting is proposed to ensure the project readiness. Contract packaging will be firmed up during project processing.

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**B. Meghalaya Public Management Reform Program**

**Project No. :** 42262-013 (Proposed)  
**Amount (US \$ million) :** 100  
**Executing Agencies :** Finance Department  
**Sector :** Public sector management

*Status:* Proposed; management review meeting scheduled on June 8, 2013

*Project Rationale and Linkage to Country/Regional Strategy:* The proposed Meghalaya Public Resource Management Development Program (MPRMDP, the Program) will be designed to assist the Government of Meghalaya (GoM) to improve service delivery, while keeping the state to a sustainable fiscal consolidation path consistent with the state's overall fiscal target. Moreover, the Program will be aligned to the outcomes sought by GoM and the Government of India (GOI), and will draw heavily on the lessons learned from similar programs in India. Meghalaya is a special category state with a rather weak economic base, and development infrastructure and endowments in the state are rather limited. Difficult geographical terrain has meant difficulties not only in water shortages, but also agriculture backwardness (in farming systems and agricultural productivity), transportation, communication, etc. Consequently, there is a strong dependency on resource transfers from the central government and a limited scope for mobilizing the state's own resources for providing and sustaining improved service delivery. Thus, the logic of the proposed Program is based on the link between creation of fiscal space as a means to complement central transfers and build up and maintain social service improvements in the key areas and thereby contribute to improving social welfare and minimizing human and social poverty. The Program lending modality is preferred because the proposed Program will require adjustments to policies and investment plans, and complimentary capacity building of institutions.

*Impact:* Improved social and gender-inclusive human development parameters in the state

*Outcome:* Creating greater fiscal space for meeting the state's development financing requirements  
Implementation Progress

*Outputs:*

1. The management of public expenditure is rationalized.
2. Tax and nontax revenue reforms successfully implemented
3. State government debts are effectively restructured and managed.
4. Services in the health and education sectors are more accessible and improved.

Business Opportunities

- Consulting Services: To be determined

- Procurement: To be determined

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### C. Catalyzing Sustainable Finance Facility

**Project No.** : 44452-014 (Proposed)  
**Amount (US \$ million)** : 150  
**Sector** : Finance

*Status:* Proposed; management review meeting scheduled on June 11, 2014

*Description:* The Facility is an innovative leveraged finance mechanism designed as a financial intermediation loan with linked conditions for on lending to subprojects in challenging urban infrastructure sectors. Eligible subprojects are those in the following sub-sectors:

- Affordable housing in urban areas;
  - Housing for economically weaker sections in urban and rural areas;
  - Slum rehabilitation including provision of basic services in slums, provision of temporary and transit shelters for poor.
  - Basic urban services, including water supply, sewerage, drainage, solid waste management, sanitation, and other physical infrastructure in urban areas; and
  - Projects fostering community involvement and inclusion, such as community based tourism.
- The proposed CSF Facility is a concept developed between HUDCO and ADB, which utilizes ADB's financial intermediation (FI) loan modality. It aims to create financing avenues in challenging urban sectors with a high developmental impact, and doing so through a commercially sustainable structure. With a pipeline of projects emerging in sectors that have been traditionally regarded as challenging, there is now a need for a financing source that can be used to support such projects. Such finance, linked to bankability and sustainability reforms, would attract commercial financing to these projects. The CSF is thus positioned as a quick disbursing fund managed by HUDCO. The CSF Facility will also link into the project development that is already underway under the GOI-ADB PPP Initiative to ensure that projects are upfront financing assistance to graduate to bankability status. The Housing and Urban Development Corporation (HUDCO) is the selected financial intermediary (FI), which, under oversight of the Ministry of Housing and Urban Poverty Alleviation, will manage the facility per tightly defined selection and bankability assurance parameters. The project therefore follows a 'finance plus' approach, directly congruent with ADB's strategy for India, which emphasizes infrastructure development and serves to leverage ADB resources for the benefit of the client country.

*Project Rationale and Linkage to Country/Regional Strategy:* Infrastructure financing requirements in India are escalating and need a diversified source of funds. Investment needs, critical for sustained economic growth, estimated at \$1 trillion in the 12<sup>th</sup> Five Year Plan approach paper (2012-2017) of the Planning Commission of India, are already beyond public sector capacities alone. The 11<sup>th</sup> Five Year Plan estimates around 36% private sector contribution to infrastructure investment to date and this is projected to reach 50% and above under the 12<sup>th</sup> Five Year Plan. The Government of India (GOI) is thus focusing on catalyzing commercial and private sector funds including public-private partnerships to meet this gap, and has developed several PPP enabling frameworks including the: (i) viability gap fund (VGF) (grant fund), (ii) India Infrastructure Finance Company Limited (IIFCL), (iii) India Infrastructure Project Development Fund (IIPDF), and (iv) a host of other initiatives at the central government and state government levels. The Facility links with the ongoing ADB-GOI PPP Initiative for project pipelines and structuring assistance. It furthers the existing GOI tools, VGF, and IIFCL. These tools have mostly funded road and power projects, which can be made viable through VGF, or are viable on a stand-alone

basis (through IIFCL). Hence, the existing tools are not likely to enable commercial finance in sectors targeted by the Facility which have a significant viability gap. By providing substantial support in eligible sector subprojects, the Facility thus directly enables partial commercial or private sector finance to further flow. Thus, the project directly supports GOI priorities for a 'finance plus' approach per the India Country Programming Mission 2011, which refers to the improved leveraging of ADB finance, catalyzing private finance, piloting innovation and sustainability, and sector reforms, all of which the Facility is designed to address.

*Impact:* Expanded coverage and service delivery of infrastructure in the eligible subsectors

*Outcome:* A greater flow of commercial and/or private sector financing into eligible subsectors and service delivery management, through replication of bankability and sector frameworks.

*Outputs:*

- Creation of ring-fenced institutional structures for better implementation and governance of infrastructure projects and services in eligible subsectors
- Creation of bankable financial models and capital structures for attracting commercial and/or private sector finance in eligible subsectors
- Replication of the CSF leveraged finance funding facility with systems and linked reform conditions for outreach to eligible subsectors

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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**D. Punjab Development Finance Program**

**Project No. :** 45288-002 (Proposed)  
**Amount (US \$ million) :** 200.4  
**Executing Agencies :** Finance Department, Government of Punjab  
**Sector :** Public sector management

*Status:* Proposed; status not yet provided by ADB

*Project Rationale and Linkage to Country/Regional Strategy:* The proposed program seeks to facilitate implementation of a comprehensive fiscal consolidation program in Punjab. This will generate fiscal savings and thereby assist Punjab to augment and sustain growth enhancing development financing. Punjab is primarily an agrarian economy with a population of 28 million. Punjab has always been instrumental in ensuring national food security since 1960s. The Government of Punjab (GOP) traditionally provides various subsidies, including free power to farmers, to promote agriculture in the state. Despite these schemes, Punjab agriculture is currently constrained by declining productivity, soil degradation, and water depletion. Despite relatively robust own-tax effort in Punjab with an own-tax to gross state domestic product (GSDP) ratio of 8.2%, Punjab's extremely fragile fiscal situation could primarily be attributed to ad hoc expenditure planning and management with untargeted transfer payment and subsidy schemes. The deteriorating fiscal situation in Punjab has placed added pressures on public resources constraining development financing (investment), leading to poor delivery of public goods and services in the state. The committed expenditures of the state government (those on salaries, pensions, interest payments, and subsidies alone) have almost exhausted the total revenue receipts of the state in

recent years, requiring the state to undertake even larger borrowings to finance these expenditures, thereby trapping the state in a vicious cycle of mounting current account (revenue) and fiscal deficits. The committed liabilities, including subsidies, were almost 100% of revenue receipts during the 11<sup>th</sup> plan period (2007-2012). The weak financial performance of the public sector enterprises (PSEs) including newly created Punjab State Power Corporation Limited (PSPCL) and Punjab State Transmission Corporation Limited (PSTCL) has further exacerbated the growing fiscal imbalances and mounting public debt. A major contributory factor to fiscal distress is the state's poor expenditure planning and management tradition. GOP does not follow the system of project appraisal before approving a project. Moreover, the lack of evaluation and monitoring system causes inordinate delays in project execution, leading to escalation in costs and the projects, quite often, fail to deliver the desired outcomes. More importantly, untargeted power subsidy, triggered by populist policies, has brought both the state exchequer and the power sector on the brink of financial collapse. This has many implications. First, PSPCL is unable to modernize the power infrastructure due to lack of borrowing opportunities from the banks and financial institutions. Second, the deteriorating fiscal situation of GOP has had negative consequences for GOP's development agenda. In particular, the increase in nondiscretionary committed expenditure has reduced fiscal space limiting the ability of GOP to make effective use of public spending to meet its policy priorities. More directly, this has resulted in a large opportunity cost as the disproportionate share of the fiscal adjustment fell on capital spending.

*Impact:* Improved and sustainable development financing in the state

*Outcome:* Greater and sustainable fiscal space is achieved in the GOP budget

Outputs:

1. Improved expenditure efficiency
2. Improved tax and nontax revenue efforts
3. Efficient debt management
4. Selected PSEs restructured

Consulting Services: To be determined

Procurement: To be determined

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## **E. Supporting Human Capital Development in Meghalaya**

**Project No. :** 46166-001 (Proposed)  
**Amount (US \$ million) :** 100  
**Executing Agencies :** Finance Department  
**Sector :** Public sector management

*Status:* Proposed; management review meeting scheduled on January 15, 2013

*Description:* The proposed project will help in enhancing the employability of Meghalaya's youth by improving the quality and delivery of its skill development and secondary education programs.

*Impact:* Improved human capital in Meghalaya.

*Outcome:* Facilitating environment created for improving Meghalaya's human capital

*Outputs:*

1. Meghalaya's Skill Development Mission operationalized
2. Improved learning environment in secondary schools
3. Strengthened capacity in relevant Departments
4. Project management system in place.

Business Opportunities

- **Consulting Services:** For the small scale project preparatory technical assistance (PPTA), ADB will engage a firm in accordance with the Guidelines on the Use of Consultants (2010, as amended). The consultant qualification selection (CQS) method based on a review of bio-data technical proposal will be used since the processing schedule is tight, and the size of the consulting package is less than \$200,000. 1 international consultant for a total of 2 person months and 9 national consultants for a total 16 person months will be required. Two individual consultants (civil engineer / architect) will be hired for 1.5 months each to expedite the survey of buildings. The total consulting requirement is 12 consultants for 21 person months in all.
- **Procurement:** To be determined

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**F. Himachal Pradesh Clean Energy Transmission Investment Program - Tranche 2**

**Project No. :** 43464-026 (Proposed)  
**Amount (US \$ million) :** 110  
**Executing Agencies :** Himachal Pradesh Power Transmission Corp. Ltd.  
**Sector :** Energy

*Status:* Board Approval scheduled on 7 May 2013

*Description:* The project consists of:

1. New Transmission System Assets

A. Transmission Line Construction - i. 33 kV D/C line from 33 kV Palchan switching station to 33/220 kV substation in the yard of Allain Dhuangan HEP; ii. 66 kV D/C Line from 66 kV Switching station at Urni to Wangtoo Substation; iii. 220 kV Line from 33/220 kV Lahal substation up to 220 kV Yard of Budhil HEP. iv. 220 kV D/C (Twin MOOSE) Transmission Line from Sunda to Hatkoti. v. 132 kV S/C line on D/C towers form Banjal to Kurthala. vi. 220 kV D/C line (Twin MOOSE) from Charor to 400/220 kV Banala substation of PGCIL. vii. 132 kV D/C line from Barsaini to Charor.

B. Construction of Sub Stations - i. 33 kV Switching station at Palchan. ii. 66 kV Switching station at Urni. iii. 33/220 kV, 50/63 MVA P.S at Lahal, iv. 220 kV Switching Station at Hatkoti, v. 132/220 kV, 2x100 MVA Pooling Station at Sunda, vi. 33/132, 2x25/31.5 MVA substation at Chambi (Shahpur) with LILO of 132 kV Kangra-Dehra S/C Line, vii. 33/132 kV substation at Pandoh+LILO of one circuit of 132 kV Bajaura-Kangoo D/C Line, viii. 33/132 kV, 1x50/63 MVA sub station Banjal, ix. 33/132 kV, 1x31.5 MVA substation at Barsaini, x. 132/220 kV, 1x80/100 MVA Sub Station at Charor.

2. Capacity Development

- i. Computerized enterprise resource planning solution design and installation phase II.
- ii. Additional computer equipment
- iii. Training program.

*Impact:* Increased electricity transmission in Himachal Pradesh

*Outcome:* Improved capacity of HPPTCL to transmit electricity from hydropower generation sources within and outside of Himachal Pradesh.

*Outputs:* New Transmission system assets are operational Enterprise resource planning (ERP) system, phase II and additional IT hardware installed in HPPTCL corporate facilities and are operational Capacity of HPPTCL personnel on project management, and transmission utility operations improved

Business Opportunities:

- Procurement: To be determined
- Consulting Services: To be determined

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## INDONESIA

### Polytechnics Education Development Project

**Loan No. :** 2928  
**Project No. :** 42099-013  
**Amount (US \$ million) :** 75  
**Executing Agencies :** Directorate General of Higher Education  
Ministry of Education and Culture

**Sector :** Education

*Status:* Board Approval scheduled on 12 April 2013

*Description:* The project will focus on four priority areas: (i) manufacturing; (ii) agro-business (iii) infrastructure and (iv) energy and mining. The impact of the project is that polytechnic education system contributes to national socio-economic development objectives in these selected industries. The expected outcome is that polytechnic education is more accessible, relevant and responsive to labor market needs, technological and entrepreneurial innovation. The performance targets are: (i) the number of polytechnic students enrolled in programs in the four (4) priority sectors increases by 25%, with at least 30% of these female; (ii) the number of polytechnic graduates entering the workforce increases by 25% in 4 priority sectors, with at least a 15% increase of these female, and (iii) the percentage of polytechnic graduates finding relevant employment within 6 months of graduation increases 25% by Year 5 at four Centers of Excellences (COEs) and 12 satellite polytechnic institutions.

The project has the following outputs:

(a) Output 1: Increased Quality and Relevance of Polytechnic System, Public and Private. The project will: (i) strengthen standards in collaboration with industry and align with the Indonesian Qualification Framework (IQF). Standards will be packaged into professional teaching programs to address skills requirements in 4 industry sectors; (ii) lecturer skills enhancement program to be implemented; (iii) revise accreditation systems, national assessment systems, and quality assurance systems according to IQF and ASEAN policies and guidelines; (iv) Improve facilities and equipment in 4 COEs and 12 satellite polytechnic institutions; (v) facilitate engagement with industry and implement projects funded through a National Skills Fund.

(b) Output 2: Increased and more equitable access to polytechnic education. The project will: (i) increase participation rates in four priority sectors; (ii) revise entry requirements and access policies to increase enrolments; (iii) assess through RPL 20000 students; (iv) link with vocational schools and private providers to establish seamless pathways and provide multiple entry points into the system, (v) fund equity strategies to ensure access by females and disadvantaged groups.

(c) Output 3: Increased private sector involvement in polytechnic sector. The project will: (i) establish an institutional framework for private sector involvement; (ii) implement training programs and methods relevant to industry skills needs; (iii) enable industry to support delivery and assessment of training. (d) Output 4: Strengthened governance, management and financing of polytechnic institutions. The project will: (i) review and revise the regulatory, employment, management and financing frameworks and systems for polytechnic institutions to be better aligned with government policy objectives.

#### Business Opportunities

- Consulting Services: To be determined
  
- Procurement: To be determined

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## KYRGYZ

### **CAREC Corridor 3 (Bishkek-Osh Road) Improvement Project, Phase 4**

**Project No. :** 45169-001 (Proposed)  
**Amount (US \$ million) :** 100  
**Executing Agencies :** Ministry of Transportation and Communications  
**Sector :** Transport and ICT

*Status:* Proposed; management review meeting scheduled on June 21, 2013

*Description:* The proposed CAREC Corridor 3 (Bishkek-Osh Road) Improvement Project, Phase 4 (the project) will improve the national and regional connectivity by rehabilitating an estimated 130 kilometers (km) of crucial road sections between Bishkek and Osh. The impact of the proposed project will be improved connectivity and access to markets. The outcome of the project will be efficient movement of freight and passenger traffic along the Bishkek-Osh road. The project outputs will be: (i) 60 km of rehabilitated road from Bishkek to Kara Balta, (ii) 70 km of rehabilitated road from Madaniyak to Jalalabad, (iii) strengthened road asset management system, and (iv) improved road safety.

*Project Rationale and Linkage to Country/Regional Strategy:* The Asian Development Bank (ADB) has assisted the Kyrgyz Republic in rehabilitating 483 km of the 655 km Bishkek-Osh road through three loans in a total amount of \$140 million. Other development partners cofinanced the rehabilitation of this road. Combined, the development partners have assisted the government in rehabilitating over 539 km (82%) of the Bishkek-Osh road. However, due to funding limitations, there remain two missing sections of the Bishkek-Osh road needing rehabilitation: Bishkek to Kara Balta (60 km) and Madaniyak to Jalalabad (70 km). The state of these roads warrants urgent attention. Road improvement in the adjacent sections attracts increased traffic, but the two sections will not be able to provide the needed level of service and will also pose traffic hazards. Therefore, the government has requested ADB to help rehabilitate the two road sections under the project.

*Impact:* Improved connectivity and access to markets

*Outcome:* Efficient movement of freight and passenger traffic along the Bishkek-Osh road

*Outputs:*

- 60km of rehabilitated road from Bishkek to Kara Balta
- 70 km of rehabilitated road from Madaniyak to Jalalabad
- Strengthened Road asset management system
- Improved road safety

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## MICRONESIA

### Yap Renewable Energy Development Project

**Loan No.** : 3004/3005  
**Project No.** : 44469-013  
**Amount (US \$ million)** : 9.04  
**Sector** : Energy

*Status:* Board approved on 20 Jun 2013

*Description:* The proposed Yap Renewable Energy Development Project (Project) will support development of the power system in State of Yap (Yap), Federated States of Micronesia (FSM) in order to reduce dependency on imported diesel. This will be achieved through expansion of renewable power generation and improving the supply side efficiencies of power delivery.

*Project Rationale and Linkage to Country/Regional Strategy:* Yap (population 11,400) is one of four states within FSM (population 107,000). Yap State is 100% dependent on imported diesel for power generation on the main island (Yap Proper). Power generation is supplied by Yap State Public Service Commission (YSPSC) which is a 100% state-owned corporatized utility. Approximately 65% of the population lives on the main island (Yap Proper), while the remainder lives on the outer islands. There is a single power grid on Yap Proper with an installed capacity of 8.3MW (peak load 2.4MW) and about 1,500 residential customers. Access to electricity is high on Yap Proper (estimated 97%). Each state in FSM has a separate utility corporation with separate tariff structures. Due to remoteness and high diesel transportation costs, power tariffs are high and the Yap economy is highly vulnerable to fuel price shocks. In 2010 average power tariff was \$0.45/kWh (generation cost \$0.32/kWh); however, this is anticipated to rise in 2011 due to escalating diesel prices. Power tariffs allow for full cost recovery for YSPSC; however, tariff reform is required to ensure YSPSC can continue to operate on a sustainable basis. In Yap, about half of all imported fuel is used for power generation. In 2005 and 2006, the value of diesel imported to Yap for power generation exceeded the total value of exports. In 2008, diesel imported for power generation represented 17.6% of all imports by value to Yap. The power supply in Yap is relatively stable, with adequate capacity; however, oversized diesel generators have resulted in low generation efficiencies. Due to low terrain and small catchments, Yap does not have potential for hydropower; however, initial assessments indicate financially viable wind and solar resources. There is currently no wind power generation in Yap; however, there are a number of community solar power mini-grids established in the outer islands which are managed by YSPSC. While household consumption is low due to predominance of traditional buildings, power usage by Government offices is relatively high. Through improved supply side energy efficiency and conversion to renewable energy under the Project, it is estimated that Yap can convert 28% of power generation to renewable energy and reduce diesel consumption for power generation by 32%. The Project is proposing to support: (i) development of grid-connected wind power generation (about 1.5MW) on Yap Proper, (ii) development of grid-connected solar

power (about 0.3MW) on Yap Proper, (iii) improved generation efficiencies of the existing diesel generation through a smaller diesel generator to be operated during low demand periods, and (iv) capacity building within YSPSC, through targeted training and development of required systems, tentatively to include procurement, financial management, fiduciary controls, asset management and system operation management. The project is in line with: (i) ADB's country operations business plan (COBP) 2011-2013 for FSM, which prioritizes energy as a key area of support, and (ii) FSM's draft National Energy Policy, 2010, which includes the draft Yap State Energy Action Plan. The draft National Energy Policy sets a national renewable energy generation target of 30% by 2020. All components of the Project are listed in the Yap State Energy Action Plan as priority activities.

*Impact:* Improved energy security of Yap

*Outcome:* YSPSC supplies an increased amount of clean and renewable energy to Yap

*Outputs:*

1. YSPSC installs wind power generation
2. YSPSC expands solar power generation
3. YSPSC improves efficiencies of diesel power generation
4. Efficient project management services

#### Business Opportunities

- Procurement Plans: To be determined
- Consulting Services: To be determined

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## NEPAL

### A. Bagmati River Basin Improvement Project

**Project No.** : 43448-013 (Proposed)  
**Amount (US \$ million)** : 30  
**Sector** : Multisector

*Status:* Proposed; management review meeting scheduled on May 27, 2013

*Description:* The Bagmati River Basin Improvement Project aims to improve water security and resilience to potential climate change impact in the Bagmati River Basin. It will build on the general public's desire to restore the river environment in the Kathmandu Valley and the Government's efforts to improve irrigation development and mitigate the impact of water-induced disasters in the middle and lower reaches of the basin. The Project adopts the principles of integrated water resources management (IWRM) and provides Nepal with its first opportunity to apply this key policy element since it has been adopted under the national water plan in 2005. The Project's expected impact is to improve sustainable economic development and poverty reduction in the Bagmati River Basin. The Project outcome will focus on improving water security in the Bagmati River Basin. The expected outputs may include: (i) effective integrated and participatory river basin management, (ii) an integrated river basin development master plan and action plan agreed by all stakeholders, (iii) an improved riparian river environment in the Kathmandu Valley, (iv) increased water availability in the basin during the dry season, and (v) reduced water-induced disaster impact on the basin communities. The major investment components may include: (i) stakeholder mobilization, awareness raising and integrated planning; (ii) IWRM focused institutional reform and capacity building; (iii) riparian river environment improvement that may include community/civil society based: (a) awareness and education, (b) river training works, (c) river cleaning, (d)

river side beautification including cultural heritage sites restoration; (iii) increased surface water availability (rain water harvesting and storage, catchment regeneration, irrigation rehabilitation and efficiency and natural wetland enhancement); and (iv) water-induced disaster mitigation that may include (a) river training works, (b) watershed regeneration, (c) sabo works, and (d) community-based flood early warning systems and adaptation programs. A project preparatory technical assistance (PPTA) will assess the detailed cost per component for the Project.

*Impact:* Economic development sustained and poverty reduced in the Bagmati River Basin

*Outcome:* Bagmati River Basin water security is improved.

*Outputs:*

- Effective integrated and participatory river basin management made operational
- Improved riparian river environment in the Kathmandu Valley
- Increased water availability in the basin during dry season
- Efficient project management and stakeholders coordination is achieved
- Reduced water-induced disaster impact on basin communities

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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**B. Skills Development Project\***

\*Note: Project link not working properly.

**Project No.** : **38176-013 (Proposed)**  
**Amount (US \$ million)** : **20**  
**Executing Agencies** : **Ministry of Education**  
**Sector** : **Education**

*Status:* Proposed; management review meeting scheduled on May 27, 2013

*Description:* The proposed Skills Development Project (SDP) will support the Government of Nepal to develop a market responsive and social- and gender-responsive technical education and vocational training (TEVT) by assisting the implementation of policy, institutional and operational reforms, delivery of demand-oriented skills training, short-term market oriented skills training focusing on excluded groups, and effective project management and monitoring and evaluation. The SDP is proposed for five (5) years from 2013 to 2018.

Business Opportunities

- Consulting Services: To be determined
- Procurement Notices: To be determined

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**C. Rural Electrification through Renewable Energy**

**Project No.** : 45126-003 (Proposed)  
**Amount (US \$ million)** : 20.8  
**Executing Agencies** : Ministry of Environment  
**Sector** : Energy

*Status:* Proposed; fact-finding scheduled on Jan 23 to 30, 2013

*Description:* The proposed Project aims to address these constraints by leveraging Strategic Climate Fund (SCF) funds with ADB and other donor-assisted funds to set up both credit and subsidy windows for mini-micro hydropower (MMH) and solar home systems (SHS) under Central Renewable Energy Fund (CREF). Funds under the CREF will be managed by a nodal financial intermediary (FI) for relending of medium to long-term local currency subloans and providing other support to participating financial institutions (PFIs) that meet ADB's eligibility criteria to help finance the development of off-grid MMH and SHS subprojects.

*Impact:* Scaling up of renewable energy development in Nepal

*Outcome:* Enhanced credit and subsidies delivery mechanisms for development of mini-micro hydropower (MMH) and solar home systems (SHS)

*Outputs:*

1. The credit and subsidy fund windows for mini-micro hydropower (MMH) and solar home system (SHS) under the CREF developed.
2. Capacities of the EA/IA and FI/PFIs on RE technologies, project appraisals, financing mechanisms and overall effective operation of CREF developed.

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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## PAKISTAN

### A. Punjab Millennium Development Goals Program - Subprogram 3\*

**Project No.** : 41641-033 (Proposed)  
**Amount (US \$ million)** : 100  
**Executing Agencies** : Department of Health, Punjab  
**Sector** : Health and social protection

\*Note: Project link not working properly

*Status:* Proposed; management review meeting scheduled on September 4, 2012

*Impact:* To help Government of Pakistan attain health MDGs 4 and 5.

*Outcome:* Improved access, quality and equity of health services

*Outputs:*

- (i) Improved availability and quality of primary and secondary health care;
- (ii) Better management of health service delivery; and
- (iii) Sustainable pro-poor health financing.

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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Public Management, Financial Sector and Trade Division, CWRD

### B. Power Sector Rehabilitation Project

**Project No.** : 46218-001 (Proposed)  
**Amount (US \$ million)** : 433  
**Executing Agencies** : GENCO Holding Company Limited  
**Sector** : Multisector

*Status:* Proposed; management review meeting scheduled on October 4, 2012

*Description:* Jamshoro Thermal Power Plant (TPP) and Guddu TPP will have: (i) equipment replacement, (ii) major overhauls, and (iii) spare parts provision. 400 MW power output will be recovered. Two 200 MW oil/gas-fueled boilers of Jamshoro TPP will be replaced and converted to a 400 MW subcritical coal-fired boiler. The project will include coal and ash handling systems and modification/improvements of other auxiliary equipment. This conversion to subcritical coal-fired system is the least-cost method which will also diversify the fuel mix away from imported fuel oil. ADB's Energy Policy (2009) supports such diversification which will improve power system reliability and energy security, and the least-cost option. Efficiency improvement of 3% to 8% and net environmental benefits from greenhouse gas (GHG) reduction are also expected. The plants will adhere to national environmental standards.

*Project Rationale and Linkage to Country/Regional Strategy:* The Power Sector Rehabilitation Project (the Project) will rehabilitate government-owned thermal power generation plants (GENCO plants) to recover de-rated capacity and to increase reliable power output by 400-700 megawatts (MW) through

improved efficiency. The project will cover two power plants in Sindh. The persistent energy shortage which in FY2011 reached a peak of 5,000 MW represents around 30% of total demand. This has made life difficult for all Pakistanis. Many urban areas are experiencing power interruptions beyond 10 hours a day; some rural areas double that figure. The manufacturing sector, especially small- and medium-sized enterprises that usually cannot afford back-up generators, is the hardest hit. Estimates from the Planning Commission suggest that losses arising from power and gas shortages reduced gross domestic product (GDP) growth by 3% - 4% in both FY2011 and FY2012. The ongoing energy crisis can be diagnosed through three pillars: (i) domestic power generation capacity not keeping up with demand, (ii) financial issues, and (iii) management issues. With Pakistan's ongoing reforms following the recommendations in the Friends of Democratic Pakistan Energy Task Force Report, progress is being made to diversify fuel sources, lower costs, and move towards cost recovery tariff. To improve power sector management and resolve financing issues, Asian Development Bank (ADB) continues to support the government as the largest donor in the sector and address project specific-issues through project design. The Project addresses the first and second pillars by increasing the power produced by the existing power plants and decreasing costs per kilowatt hour.

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## PHILIPPINES

### A. Solid Waste Management Sector Project

**Project No.** : 45146-002 (Proposed)  
**Amount (US \$ million)** : 70  
**Sector** : Waste Management

*Status:* Management Review Meeting scheduled on 26 Oct 2012

*Impact:* Improved public health in participating LGUs

*Outcome:* Efficient management of solid waste by the participating LGUs

*Outputs:*

- Solid waste management plans at LGU levels prepared
- Investment programs for solid waste management facilities completed
- Project management and institutional capacity improved

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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## **B. Urban Water Supply and Sanitation Project**

**Project No.** : 42363-013 (Proposed)  
**Amount (US \$ million)** : 70  
**Executing Agencies** : Metro Cebu Water District  
Davao City Water District

**Sector** : Water Supply and Sanitation (WSS)

*Status:* Management Review Meeting scheduled on 15 April 2013

*Description:* The Urban Water Supply and Sanitation Project aims to improve the WSS services in Metro Cebu, Davao City and other to be identified urban areas, by providing investment capital and technical assistance to the respective Water Districts (WDs). Of the population in the water districts mandated service area by 2022, at least 80% will have access to potable water supply and 50% will have access to safe sanitation and will adopt proper hygiene practices. This outcome will be achieved by closing of the Project through five main outputs: (i) Raw water supply capacity expanded. Primary focus will be on the reduction of physical leakage component of non-revenue water in order to make higher quantities of water available to customers. In addition, new bulk water sources need to be developed from surface water sources or through desalination. Climate change mitigation measures will be identified to ensure sustainability of source capacity; (ii) Water supply distribution systems rehabilitated and expanded. Currently the distribution systems cover a limited area and need to be expanded, while existing systems need urgent replacement. Also, the distribution systems consist of various independent systems which may need to be connected. Additional sources may lead to the requirement to re-align the system; (iii) Awareness of the benefits of sanitation services increased. The communities should be made aware of the health and financial benefits of hygienic sanitation, leading to demand for the services. Similarly, policy and decision makers should be made aware of the economic benefits of sanitation and waste water management. This can be achieved through extensive public promotion campaigns, supported through the development of a sanitation strategy: to initiate dialogue between and create support from various stakeholders; and pilot projects: to demonstrate the effectiveness of sanitation services; (iv) Constructed and operational waste water collection, treatment and disposal facilities. High priority investments will be identified, developed, constructed and operated. The preparation phase should outline the requirements regarding: capacity development, financial resources, and revenue collection mechanism. Following construction, aftercare is to be provided through continuous training and management assistance, including continuation of awareness campaigns to ensure sustainability of the infrastructure. (v) Operational sanitation strategy.

The sanitation strategy should: (i) cover on-site sanitation, sewerage discharge and treatment, and drainage; (ii) be an issue based, dynamic framework for 5-year investment plans, to be reviewed and updated every 2 to 3 years; (iii) identify the development issues, relevant parameters and monitoring mechanisms required to update the plan, such as demographic development, planned government investments, private investments, etc; and (iv) have a hygiene educational program and investment plan attached. The investment needs for water supply and waste water management until 2022 for DCWD and MCWD combined, are estimated to be \$800 million. These investments will be financed by combination of public and private debt, and equity.

*Project Rationale and Linkage to Country/Regional Strategy:* The foreseen impact of the Project is a reduction of the occurrence of water related health diseases in the mandated service areas of MCWD and DCWD. Indicative data shows that diarrheal diseases in Davao City and Metro Cebu have a higher prevalence in the more urbanized areas, with morbidity rates varying from 200 to 1,200 cases per 100,000 populations, and reaching as high as 3,500 cases, and mortality rates as high as 14 cases per 100,000 populations. The data also show that in all cities 70% of the cases occur with children younger than 5 years.

*Impact:* Reduced occurrence of water-borne and water washed diseases in the water districts' service areas.

*Outcome:* Increased access to water supply and sanitation services

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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**C. Angat Water Transmission Improvement Project**

**Project No. :** 46362-002 (Proposed)  
**Amount (US \$ million) :** 50  
**Sector :** Water Supply and Sanitation

*Status:* Management Review Meeting on 19 July 2013

*Description:* The Project will secure raw water supply to the 13 million inhabitants of Metropolitan Waterworks and Sewerage System (MWSS) service area, through the rehabilitation of the Angat transmission line. It is estimated that currently each day about 800,000 cubic meter (m<sup>3</sup>) or 20% of the total potential capacity of raw water is lost due to leakage of the aqueducts. The main components of the Angat transmission line are as old as 50 years, in poor condition, and not in compliance with structural and seismic requirements, risking the partial interruption of Metro Manila's water supply. The proposed financing modality is a Project loan.

*Project Rationale and Linkage to Country/Regional Strategy:* Provision of water supply and sanitation in Metro Manila (Manila) is the responsibility of MWSS, a government-owned corporation. In 1997, it awarded two concession contracts to private firms for water distribution. MWSS retained responsibility for bulk water supply. The privatization of the distribution services brought about significant improvements in the delivery of water supply services. The serviced population has doubled since 1997, of which more than 90% have 24 hours access. The nonrevenue water level (NRW) of over 60% in 2002 currently ranges from 10 to 40%. MWSS's capacity to fulfill its responsibility of ensuring and securing the availability of raw water to the concessionaries needs to be strengthened by: (i) rehabilitation of the raw water transmission system; and (ii) adopting a comprehensive water safety, risk- and asset management system.

*Impact:* Sustained and secured water supply from the Angat reservoir

*Outcome:* Sustainable operation of aqueducts

*Outputs:*

- Most urgent aqueduct rehabilitation and/or construction works implemented
- Water safety, risk and asset management plans are operational

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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#### **D. Community-Driven Development Support Project**

**Project No.** : 46420-002 (Proposed)  
**Amount (US \$ million)** : 371  
**Executing Agencies** : Department of Social Welfare and Development  
**Sector** : Multisector

*Status:* Management Review Meeting scheduled on 18 April 2013

*Impact:* Reduced average poverty incidence in the poorest areas of the country

*Outcome:* Communities in targeted poor municipalities empowered to improve access to services and to participate in more inclusive local planning, budgeting and implementation

#### *Outputs:*

1. CDD subprojects identified and completed
2. Institutional and organizational capacity strengthened
3. Program management and M&E systems enhanced

#### Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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Human and Social Development Division, SERD

#### **E. Water District Development Sector Project**

**Project No.** : 41665-013 (Proposed)  
**Amount (US \$ million)** : 120  
**Executing Agencies** : Local Water Utilities Administration  
**Sector** : Water Supply and Sanitation

*Status:* Management Review Meeting on 15 August 2013

*Project Rationale and Linkage to Country/Regional Strategy:* The Philippines is one of the few countries in Asia that is blessed with fresh water abundance. Although the amount of raw water available is more than the demand, a significant percentage of the population does not have adequate and sustained access to potable water supply. Prevailing problems of excessive and wasteful use, pollution of sources, illegal connections and inefficiencies in the distribution are but some of the causes of the shortages. The extent of water supply coverage and population access to safe drinking water in the Philippines cannot be accurately ascertained, due to variances in estimates made by the different government offices. However, the general trend is that coverage levels have declined over the past few years, from about 81% in 2000 to 79% in 2005. Outside of Metro Manila, piped water services are provided by a total of 6,280 water service providers (WSP) including 580 water districts (WD), 1,000 LGU-run utilities, 500 Rural Waterworks and Sanitation Associations (RWSA), 3,100 Barangay Water and Sanitation

Associations (BWSA), 200 Cooperatives, and 900 private firms. Presidential Decree (PD) 198 of 1973 created the Local Water Utilities Administration (LWUA) and the WD concept, for LWUA to be a specialized lending and technical advisory institutions for WDs. While WDs are generally better performing than the other forms of WSP, there is still need for investment in water supply infrastructure development, and utility performance improvement. Coverage for access to sanitation ranged from 72% to 86.2 % in 2004, depending on the source of data. Although more than half of Filipino households have septic tanks, these are often poorly constructed and not maintained properly. Less than 1% of septic tanks are known to undergo regular de-sludging and the appropriate treatment. Outside of Metro Manila, only three cities (Baguio, Vigan and Zamboanga) have sewer systems, and serving less than 3% of their service area population. The current situation is that domestic wastewater largely goes untreated and that the majority of the population is exposed to raw sewage. Most water utilities focus only on water supply services. While LGUs are mandated to provide essential services, including water and sanitation services, 97% of their investments are for water supply and only 3% for sanitation and wastewater treatment.

*Impact:* Improved public health

*Outcome:* Increased access to water supply and sanitation services in the communities served by participating WDs.

*Outputs:*

- Extension and improvement of the water supply system
- Increased awareness about sanitation, and pilot sanitation projects
- Capacity and institutional development for participating WDs and LWUA

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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Southeast Asia Department  
Urban Development and Water Division, SERD

## REGIONAL

### Central Asia Regional Economic Cooperation Regional Improvement of Border Services Project (RIBS)

**Loan No.** : 2995  
**Project No.** : 46124-001  
**Grant Nos.** : 0340/0341  
**Amount (US \$ million)** : 17.606  
**Executing Agencies** : Ministry of Economic Development and Trade  
Ministry of Economy

**Sector** : Industry and trade/ Trade and Services

*Status:* Board Approved on 27 March

*Description:* The proposed Project will support the construction and renovation of Border Crossing Points (BCPs) in cases where investments to upgrade complementary facilities on the other side of the border have been completed or are nearing completion. NSWs alone would not be enough to achieve best results because all CAREC countries are transit countries and shipments have to cross multiple borders.

This requires networking and the interoperability of National Single Windows (NSWs) at the CAREC regional level. The Project will benefit from ongoing and proposed CAREC Customs Cooperation Committee initiatives, including joint customs control, simplification of customs procedures, and the development of information and communication technology for customs modernization. Specifically the proposed project will focus on the following: "Border crossing point improvement - The project will improve infrastructure at two road BCPs to improve working conditions and performance of border management personnel, and reduce processing time and cost: (i) In the Kyrgyz Republic, at the Karamyk BCP, located along CAREC corridors 3b and 5, (a) the inspection facilities including customs, sanitary and quarantine, and veterinary checkpoints will be improved to handle traffic growth and improve the inspection process; and (b) power, water supply and sewerage facilities, communication facilities, and office and inspection equipment will be provided. (ii) In Tajikistan, at the Guliston BCP, located in a key conduit of the regional Osh Khujand highway, facilities will be upgraded and equipped, including infrastructure for vehicle inspection and two new border check posts, and water supply and sewerage facilities provided. "National single window development - This project will support the establishment of NSW facilities to streamline data submission to international trade regulators, and ensure conformity of submitted data with the requirements of business processes in various stages of trade and transport in the international supply chain. International standards will be adopted to ensure regional interoperability. The subcomponents of NSW facilities in the two countries include: (i) single window and trade portal software development; (ii) single window backup system and hardware, regional centers, and trade portal hardware; (iii) certificate of origin and licensed track and trace of system development; (iv) operating assistance to the single window governance and working groups; (v) business process analysis and re-engineering (for up to 10 government agencies); (vi) legal and regulatory framework review; (vii) stakeholder engagement and public awareness activities; and (viii) market study and research. In terms of sequencing, a flexible software development process will incorporate possible policy and regulatory changes resulting from subcomponents (v) and (vi).

*Project Rationale and Linkage to Country/Regional Strategy.* The project supports the CAREC transport and trade facilitation strategy, which aims to streamline transport, trade logistics, customs, and other border control operations to increase cross-border trade in Central Asia. From 2007 to 2009, CAREC ministerial conferences endorsed a transport and trade facilitation strategy and its implementation action plan, and a plan to address physical infrastructure needs at border crossing points (BCPs) along priority CAREC corridors, and to establish and network national single window (NSW) facilities. The goal was to develop seamless corridors to enhance economic competitiveness of the region. BCPs are identified as the major impediments to cross-border transport and trade in the CAREC region. The CAREC corridor performance measurement and monitoring (CPMM) system indicates that in 2012 a typical 500-kilometer journey by a 20-ton truck took an average of 21.8 hours and cost \$999. Delays are mainly due to poor physical infrastructure and inadequate trade logistics facilities, cumbersome customs clearance procedures, and limited utilization of information and communication technologies. NSW facilities, which enable trade- and transport-related information and documents to be submitted only once through a single entry point, and to be reviewed and processed by relevant government agencies prior to the cargo's arrival at the border, can provide significant efficiency gains. To maximize the benefits of NSWs, coverage should be extended to include cross-border electronic data exchange. Many CAREC governments supported by business communities are designing NSWs to accommodate eventual CAREC-wide interoperability. The benefits of good BCP infrastructure and NSWs can only be fully realized when countries on both sides of the border fund complementary investments, and border control agencies cooperate. The project supports the construction and renovation of BCPs in cases where investments to upgrade complementary facilities on the other side of the border have been completed or are nearing completion. It will help develop NSWs based on international standards to streamline trade-related procedures. The project will be implemented in coordination with ongoing and proposed CAREC trade facilitation initiatives, particularly those under the CAREC Customs Cooperation Committee, including joint customs control, simplification of customs procedures, and development of information and communication technology for customs modernization. Both governments of the Kyrgyz Republic and Tajikistan accord high priority to the project. As landlocked countries, the Kyrgyz Republic and Tajikistan need to develop predictable and transparent trading environments, improve trade facilitation, and

leverage more transit and international trade to increase competitiveness and sustain inclusive growth. By modernizing BCP infrastructure and developing electronic trade platforms like NSWs, they can improve the performance of CAREC corridors, minimize negative impacts of geographic isolation, foster more diverse economic activity, and realize their economic potential. Two road BCPs have been selected under the project: the Karamyk in the Kyrgyz Republic and Guliston in Tajikistan. The BCPs selection is based on the government's priority, their special significance for regional trade, complementary development on both sides of the border, and minimal safeguard issues. ADB support for regional cooperation intersects with the strategies and priorities of the project countries, particularly those related to promoting sustainable growth and improving governance. The project will help improve the environment for trade, which is an engine for economic growth and development. NSW development is consistent with the main priority of governments to improve governance, reduce corruption by increasing transparency, and ensure effective public administration by improving the capacity of the civil service. The project is included in ADB's country operations business plan 2012 2013 for the Kyrgyz Republic, which is line with the government's medium-term development program for 2012 2014. The main goal of the development program is to improve living standards and reduce poverty by accelerating economic growth, improving the business climate, and developing an efficient governance system. The ADB country partnership strategy for Tajikistan supports addressing the most critical development constraints and creating a basis for higher economic growth. ADB is committed to helping ensure access to efficient and cost-effective regional transport, developing new export markets, improving regional customs facilities, and facilitating regional trade. ADB's strategy is to reduce logistics costs for trade and encourage knowledge sharing between Tajikistan and other CAREC member countries to foster regional integration and facilitation. Key intended outcomes include improved regional transport connections, improved trade and transit infrastructure, and reduced cross-border barriers.

*Impact:* Accelerated trade growth within the CAREC region and with the rest of the world

*Project rationale:* The project supports the CAREC transport and trade facilitation strategy, which aims to streamline transport, trade logistics, customs, and other border control operations to increase cross-border trade in Central Asia. From 2007 to 2009, CAREC ministerial conferences endorsed a transport and trade facilitation strategy and its implementation action plan, and a plan to address physical infrastructure needs at border crossing points (BCPs) along priority CAREC corridors, and to establish and network national single window (NSW) facilities. The goal was to develop seamless corridors to enhance economic competitiveness of the region. BCPs are identified as the major impediments to cross-border transport and trade in the CAREC region. The CAREC corridor performance measurement and monitoring (CPMM) system indicates that in 2012 a typical 500-kilometer journey by a 20-ton truck took an average of 21.8 hours and cost \$999. Delays are mainly due to poor physical infrastructure and inadequate trade logistics facilities, cumbersome customs clearance procedures, and limited utilization of information and communication technologies. NSW facilities, which enable trade- and transport-related information and documents to be submitted only once through a single entry point, and to be reviewed and processed by relevant government agencies prior to the cargo's arrival at the border, can provide significant efficiency gains. To maximize the benefits of NSWs, coverage should be extended to include cross-border electronic data exchange. Many CAREC governments supported by business communities are designing NSWs to accommodate eventual CAREC-wide interoperability. The benefits of good BCP infrastructure and NSWs can only be fully realized when countries on both sides of the border fund complementary investments, and border control agencies cooperate. The project supports the construction and renovation of BCPs in cases where investments to upgrade complementary facilities on the other side of the border have been completed or are nearing completion. It will help develop NSWs based on international standards to streamline trade-related procedures. The project will be implemented in coordination with ongoing and proposed CAREC trade facilitation initiatives, particularly those under the CAREC Customs Cooperation Committee, including joint customs control, simplification of customs procedures, and development of information and communication technology for customs modernization. Both governments of the Kyrgyz Republic and Tajikistan accord high priority to the project. As landlocked countries, the Kyrgyz Republic and Tajikistan need to develop predictable and transparent trading environments, improve trade facilitation, and leverage more transit and international trade to increase

competitiveness and sustain inclusive growth. By modernizing BCP infrastructure and developing electronic trade platforms like NSWs, they can improve the performance of CAREC corridors, minimize negative impacts of geographic isolation, foster more diverse economic activity, and realize their economic potential. Two road BCPs have been selected under the project: the Karamyk in the Kyrgyz Republic and Guliston in Tajikistan. The BCPs selection is based on the government's priority, their special significance for regional trade, complementary development on both sides of the border, and minimal safeguard issues. ADB support for regional cooperation intersects with the strategies and priorities of the project countries, particularly those related to promoting sustainable growth and improving governance. The project will help improve the environment for trade, which is an engine for economic growth and development. NSW development is consistent with the main priority of governments to improve governance, reduce corruption by increasing transparency, and ensure effective public administration by improving the capacity of the civil service. The project is included in ADB's country operations business plan 2012-2013 for the Kyrgyz Republic, which is in line with the government's medium-term development program for 2012-2014. The main goal of the development program is to improve living standards and reduce poverty by accelerating economic growth, improving the business climate, and developing an efficient governance system. The ADB country partnership strategy for Tajikistan supports addressing the most critical development constraints and creating a basis for higher economic growth. ADB is committed to helping ensure access to efficient and cost-effective regional transport, developing new export markets, improving regional customs facilities, and facilitating regional trade. ADB's strategy is to reduce logistics costs for trade and encourage knowledge sharing between Tajikistan and other CAREC member countries to foster regional integration and facilitation. Key intended outcomes include improved regional transport connections, improved trade and transit infrastructure, and reduced cross-border barriers.

*Outcome:* Faster, more predictable and cost efficient cross-border transport and trade

*Outputs:*

- Physical infrastructure and working conditions at Karamyk and Guliston BCPs improved NSW facilities in the Kyrgyz Republic and Tajikistan established.
- Capacity in project management and supervision strengthened

Business Opportunity

- **Consulting Services:** The Project will finance international and national consulting services to support project implementation, management, and institutional capacity building. The consulting services will be engaged in accordance with the ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). Advance contracting for consulting services will be considered in line with ADB's guidelines. Following is the breakdown of the recruitment: 1. KGZ = 3 contracts, 760 person-months (52 pm international and 708 national); 2. TAJ = 3 contracts, 469 person-months (55 pm international and 414 national)
- **Procurement:** Goods and works will be done through International competitive bidding for the following: KGZ = 2 contracts (\$4.568 million) [Karamyk BCP Improvement ICB works, \$2.809 million, and Single window system development, ICB Good \$1.759 million] TAJ = 2 contracts (\$5.091 million) [Gulistan BCP goods, \$1.471 million, and Single window system development, ICB Good \$3.62 million]

*Responsible ADB Officer:* Shakeel Ahmad Khan  
Responsible ADB Department  
Central and West Asia Department  
Transport and Communications Division, CWRD

## TURKMENISTAN

### Zerger Regional Power Generation Project

**Project No.** : 44184-013 (Proposed)  
**Amount (US \$ million)** : 150  
**Executing Agencies** : Turkmenenergo  
**Sector** : Energy

*Status:* Proposed; management review meeting scheduled on October 2, 2012

*Description:* The Regional Power Interconnection Project will address electric supply needs in Afghanistan (AFG) and electric infrastructure development and export plans in Turkmenistan (TKM). The Project will meet AFG needs as: (i) development partners have advised plans for investment in transmission and distribution which will increase the low electrification rate thereby increasing demand (ii) development of new domestic generation is not expected to meet forecast demand, (iii) existing interconnections cannot fill the supply gap, and (iv) electric imports from TKM can meet new demand in a cost effective manner while increasing security by diversifying import sources. The Project will allow TKM utilize its gas reserves for electric exports by adding additional gas fired generating plant. The Project will increase generation capacity in TKM and interconnect the electric grid systems of TKM and the AFG thereby allowing TKM to export electric energy to AFG. In TKM, the Project includes a new gas-fired 300MW combined cycle power plant. In AFG, the project includes new transmission lines and substations in its western region including a connection from the TKM/AFG border to the existing 220kV grid. The specific components of the Project will be confirmed by a Project Preparatory Technical Assistance (PPTA).

*Impact:* Increased regional cooperation and optimized use of regional energy resources

*Outcome:* In TKM, increased generation efficiency and improved access to export markets. In AFG, enhanced security of supply and supply reliability

*Outputs:* Power Purchase Sales Agreement (PPSA) New Serdar power plant in TKM located at Zergar or Atamyrat New 500-kV line in AFG from TKM/AFG border to Naidabad

#### Business Opportunities

- **Consulting Services:** All consultants will be engaged following the Guidelines on the Use of Consultants by Asian Development Bank and its Borrowers (2010, as amended from time to time). Consulting firms will be recruited using quality- and cost-based selection, with a quality-cost ratio of 90:10 required due to the complex nature of the consulting tasks and with the project having critical downstream impact.
- **Procurement:** All goods and works will be procured by international competitive bidding. The turnkey power plant package (\$400 million) will be jointly financed by IDB. It is expected that IDB will finance the gas turbines, heat recovery system generators, and steam turbine components of the power plant while ADB will finance the remaining components. To enable such joint procurement, it is proposed to expand country eligibility for procurement by allowing firms, subcontractors, and sourcing of materials from any country eligible under ADB's Procurement Guidelines (2010, as amended from time to time) and IDB's Guidelines for Procurement of Goods and Works under IDB Financing (2009). This requires a waiver under Article 14 (ix) of the Agreement Establishing the Asian Development Bank.

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Central and West Asia Department  
Energy Division, CWRD

## UZBEKISTAN

### Takhiatash Power Plant Efficiency Improvement Project

**Project No.** : 45306-001 (Proposed)  
**Amount (US \$ million)** : 100  
**Executing Agencies** : UzbekEnergy  
**Sector** : Multisector

*Status:* Proposed; management review meeting scheduled on July 15, 2013

*Description:* The objective of the proposed project is to improve energy efficiency of the Takhiatash thermal power plant (TPP) with the adoption of energy efficient technology that will contribute to increased reliable power supply and climate change mitigation. The project will include construction of a combined cycle gas turbine (CCGT) power plant, decommissioning of inefficient existing power plant units, and capacity development.

*Project Rationale and Linkage to Country/Regional Strategy:* Uzbekistan's power generation plants are generally old and inefficient, requiring urgent modernization. More than 75% of the power plant units are over 30 years old reaching or exceeding their economic life. The thermal efficiency averages 31%, while that of energy efficient CCGT exceeds 50%. Replacing the existing power generation assets with energy efficient equipment is a key strategy for saving energy, securing reliable power supply, and reducing greenhouse gas (GHG) emission. To this end, State Joint-Stock Company Uzbekenergo (Uzbekenergo), a 100% government-owned vertically integrated utility company, has developed a \$5.3 billion investment plan (2011-2015) that includes construction of 15 thermal power plants (2,412 megawatt [MW]). The project that constructs a 280 MW CCGT is a priority project identified under this investment plan. The 730 MW TPP is the main power supply source for the Karakalpakstan and Khorezm regions with over 3 million people located in the western part of Uzbekistan. The power demand outlook is strong with a number of industrial development projects envisaged for the region, exceeding currently available capacity. In the medium term, the transmission capacity for the region also needs to be expanded, and power generation capacity of Takhiatash TPP needs to be further expanded. Out of the gas-fired five steam turbine units in operation at Takhiatash TPP, three units built in 1969 (two units of 100 MW) and 1974 (one unit of 110 MW) are some of the oldest units in operation with 23.7% efficiency. After the new power unit becomes operational, these units will be decommissioned. Decommissioning requires careful planning and implementation without disrupting reliable power supply and in compliance with safety and environmental standards, as well as cost effectiveness consideration. Uzbekenergo is improving its organizational performance through the assistance of ADB. The investment unit will be restructured. Financial transparency will be improved through introducing financial reporting and auditing that complies with international standards. Further restructuring envisages a more efficient cost-centered approach. Management and planning systems will be modernized to increase its operational performance. The electricity tariffs have been raised continuously since 2004 to ensure full cost recovery. The introduction of advanced electricity metering will further strengthen financial sustainability. Notwithstanding, further reform efforts are necessary. Uzbekenergo faces a \$1.6 billion funding gap to fulfill its \$5.3 billion investment plan. It needs to develop a strategy and build the capacity to attract and raise investment funds required to transform its infrastructure facilities into efficient assets. While there is a substantial opportunity, knowledge and technical capacity to attract investment funding, including climate change funds and carbon financing, are limited. The project follows the ADB's strategy for Uzbekistan, which includes focus on energy efficiency and reliable power supply. It is also consistent with ADB's Strategy 2020 and ADB Energy Policy (2009) by promoting energy efficiency and energy for all. It will be ADB's fourth project loan intervention in Uzbekistan's power sector.

*Impact:* Improved reliable power supply

*Outcome:* Increased energy efficient power supply in Karakalpakstan and Khorezm regions

*Outputs:*

1. Operational energy efficient power unit in Takhiatash TPP
2. Enhanced Uzbekenergo's investment funding capacity

#### Business Opportunities

- **Consulting Services:** A supervision consulting firm will be recruited using the quality- and cost-based selection method, with a 90:10 ratio for quality and cost, and following ADB's Guidelines on the Use of Consultants (2010, as amended from time to time) to help the executing agency implement the project.
- **Procurement:** A turnkey contractor, which is expected to undertake both the construction and decommissioning works, will be selected under international competitive bidding, following ADB's Procurement Guidelines (2010, as amended from time to time).

*Responsible ADB Officer:* Keiju Mitsuhashi (E-mail: [kmitsuhashi@adb.org](mailto:kmitsuhashi@adb.org))  
Central and West Asia Department  
Energy Division, CWRD

### III. TECHNICAL ASSISTANCE

PLEASE NOTE: Please click on the project title to access full project information. Technical assistance (TA) is used to prepare and implement projects, and support advisory and regional activities of the bank. ADB is no longer issuing TA project alerts classified according to type, i.e., project preparatory technical assistance (PPTA), advisory technical assistance (ADTA), etc. If you want to know the specific TA classification, please contact our office or inquire directly with the bank.

#### **BANGLADESH**

##### **Regional Power Generation and Transmission Project (formerly Energy Efficiency Improvement II)**

**Project No.** : 41160-012 (Proposed)  
**Amount (US \$ million)** : 1.5  
**Sector** : Energy

Project details to be determined.

*Status:* Not provided by ADB

*Responsible ADB Officer:* Hongwei Zhang (E-mail: [hwzhang@adb.org](mailto:hwzhang@adb.org))  
South Asia Department  
Energy Division, SARD

## CHINA

### A. Gansu Baiyin Urban Development II Project

**TA No.** : 8381  
**Project No.** : 46062-001  
**Amount (US \$ million)** : 0.6  
**Executing Agencies** : **Baiyin Municipal Government**  
Mr. Zhou Jianhua, Deputy Director, Baiyin Project Management Office

**Sector** : **Multisector**

*Status:* Board approved on 17 June 2013

*Description:* Baiyin is a medium-sized city in Gansu province (Gansu), one of the 12 less-developed provinces and autonomous regions targeted under the Western Development Strategy of the People's Republic of China (PRC). The city was originally established as a national copper mining base in the 1950s but its socioeconomic development suffered major setbacks after continuous copper exploitation and depletion, and environmental degradation. Since the Eleventh Five-Year Plan 2006 2010, Baiyin received special support from the national and provincial governments to jumpstart its industrial transformation. The goal was to transform Baiyin from a resource-exhausted mining city into a new industrial center through technology upgrading and diversification of existing production chains, while achieving efficient use of resources and reducing adverse impacts on the environment. In 2008, the Gansu Baiyin Urban Development Project (Phase I project) was approved by ADB, providing timely assistance on urban road construction and district heating supply to support the initial stage of economic diversification in two urban centers Baiyin district and Pingchuan district. The project will invest in key urban infrastructure and services to: (i) provide efficient water service for drinking and industrial processing; (ii) provide wastewater treatment to improve water management, environment, and locals quality of life; (iii) strengthen vocational education and training capacity; (iv) enhance road safety and traffic management in central urban district; and (v) enhance environmental management for industrial transformation. The main project area is located in the poverty-stricken Jingyuan county and includes one of the seven strategic industrial bases that comprise the Lanbai Core Economic Zone. The project will further scale up the outcome of the Phase I project by accelerating environment-friendly and human-centered industrial transformation in eastern Baiyin urban area. The impact of the project will be inclusive and environmentally sustainable urban development in Baiyin. The expected outcome will be accelerated industrial transformation and economic diversification in Baiyin. Project outputs include: (i) basic urban infrastructures in the eastern Baiyin urban area comprising: (a) a new water supply facility with treatment capacity of 85,000 cubic meter per day, a 16-kilometer (km) water transmission pipeline, a 68.8-km water distribution pipeline network and other related facilities; (b) a new wastewater treatment facility with treatment capacity of 40,000 cubic meter per day, a 74.4-km wastewater collection pipelines network and related facilities; (c) leveling of 4-km<sup>2</sup> land with 5 new roads totaling 8 km; (ii) industrial training facility and related services to strengthen capacity building for local skilled/non-skilled workers in Jingyuan county; (iii) ITS in the Baiyin district; and (iv) project management and institutional capacity building, including effective project management, environmental management of the industrial area, and the sustainable operation and maintenance of project facilities.

#### Business Opportunities

- **Consulting Services:** The project preparatory technical assistance (PPTA) will be implemented by engaging a firm for overall project preparation and two teams of individual consultants specializing in transport management and vocational education. Experts on industrial sector development, civil engineering, water and sanitation engineering, transport management, vocational education, economic and financial analysis, environment, and resettlement and social

development will be engaged. The firm will be engaged on the basis of quality- and cost-based selection method using simplified technical proposal procedures, with a quality-cost ratio of 80:20, while consultants for the two separate teams will be engaged through individual consultant selection.

- Procurement: To be determined

*Responsible ADB Officer:* Satoshi Ishii (E-mail: [sishii@adb.org](mailto:sishii@adb.org))  
East Asia Department  
Urban and Social Sectors Division, EARD

### **B. Chemical Industry Energy Efficiency and Emission Reduction Project**

**TA No.** : 8383  
**Project No.** : 47051-001  
**Amount (US \$ million)** : 0.7  
**Executing Agencies** : **China National Chemical Corporation Group**  
Mr. Xu, Xiaodong, Vice-director, Planning and Development Department

**Sector** : **Multisector**

*Status:* Board approved on 17 June 2013

*Description:* The proposed first two subprojects include: (i) demonstration of a new technology by Dezhou Shihua Chemical Co., Ltd. (DSC) to retrofit its polyvinyl chloride (PVC) production facility to reduce energy consumption by 40% and eliminate the use of mercury as a catalyst; and (ii) retrofitting the caustic soda production chain of Haohua Yuhang Chemical Co. Ltd. (HYC) with the current state-of-the-art technology that will consume 30% less energy.

#### Business Opportunities

- **Consulting Services:** The project preparatory technical assistance (PPTA) will be implemented in two parts. Part 1 will focus on the: (i) development of an innovative ESCO financing mechanism, and (ii) energy audit and environmental impact assessment (EIA). A review of ChemChina and chemical industry energy efficiency and emission reduction market assessment and barrier analysis will also be undertaken during part 1. Since these activities are independent activities, four individual consultants (2 international for a total of 6.5 person-months and 2 national for a total of 7 person-months) will be recruited in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). The energy efficiency finance experts will work closely with ChemChina, NDRC, and ADB to develop the financing mechanism. The international environment expert will be supported by a national technical expert to prepare the energy audit and the EIA. Part 2 will be undertaken by a consulting firm, which will prepare the technical, economic, and financial due diligence of the subprojects to be undertaken. It will also provide capacity strengthening and project implementation support and capacity development measures to the project management office and other stakeholders, if needed. The detailed tasks to be undertaken by the consulting firm will be firmed up towards the end of the part 1. The consulting firm will be recruited in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time) through quality- and cost-based selection method (with a quality-cost ratio of 80:20) following the simplified technical proposal.
- Procurement: To be determined

Responsible ADB Officer: Annika Seiler (E-mail: [aseiler@adb.org](mailto:aseiler@adb.org))  
East Asia Department  
Energy Division, EARD

### C. Public Finance Development Strategy 2020

**TA No.** : 8379  
**Project No.** : 47120-001  
**Executing Agencies** : Ministry of Finance  
**Sector** : Multisector

*Status:* Board approved on 10 June 2010

*Description:* The technical assistance (TA) aims to support the preparation of a public finance reform strategy in the PRC. The TA will identify priority reforms for fiscal policy to play a leading role in promoting a shift toward a more inclusive economic model, a more balanced income distribution, and improved living standards. By reviewing national and international experiences, the TA will provide an in-depth analysis of the priorities for fiscal and taxation reform in the PRC to underpin government's efforts to restructure the economy and balance income distribution. The analysis will focus on three main areas: (i) public finance management reform; (ii) taxation and tax administration reform; and (iii) optimal revenue levels to address development needs amid declining growth.

*Impact:* Strengthened fiscal policy and taxation system in the PRC

*Outcome:* Improved fiscal and taxation framework in the PRC

*Outputs:* Strategy to guide public finance reform until 2020 to promote inclusive growth and a more balanced income distribution in the PRC

#### Business Opportunities

- **Consulting Services:** A total of 25 person-months of individual consulting services (one international consultant for 2 person-months and 6 national consultants for a total of 23 person-months) will be required. The international and national consultants would be selected and engaged on an individual basis by ADB in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
- **Procurement:** To be determined

Responsible ADB Officer: Yolanda Fernandez Lommen (E-mail: [yfernandez@adb.org](mailto:yfernandez@adb.org))  
East Asia Department  
Office of the Director General, EARD

## INDIA

### Advanced Project Preparedness for Poverty Reduction - Detailed Design for the SASEC Subregional Road Connectivity Project (Subproject 25)

**TA No.** : 8116  
**Project No.** : 43166-207  
**Amount (US \$ million)** : 0.3  
**Executing Agencies** : Department of Economic Affairs  
**Sector** : Transport and ICT

*Status:* Board Approval on 29 May 2013

*Description:* The proposed C-TA subproject will assist GoWB and GoI in preparing the detailed design for the SASEC Subregional Road Connectivity Project to improve highest priority road corridors, including land customs stations for possible financing by ADB. The main outcome of the TA will be the agreed detailed design of the investment project with enhanced project readiness. The project readiness will ensure that project preparation is ready for implementation with detailed design, detailed project reports, safeguards planning documents, and bidding documents prepared for the project roads and the land customs stations (LCS).

*Methodology and Key Activities* - The TA will comprise two (2) components: (i) Road Component and (ii) LCS Component. Both involve two major studies as follows: (i) Prepare Detailed Engineering Design. The TA will carry out the detailed engineering design of the project including detailed LCS layout and design, detailed highway design, design of pavement and overlay with options for flexible or rigid pavements, design of bridges and cross drainage structures and grade separated structures, design of service roads, quantities of various items, detailed working drawings, detailed cost estimates, economic and financial viability analyses, environmental and social feasibility, social and environmental action plans as appropriate and documents required for tendering the project on commercial basis for international competitive bidding. This will entail, among other activities, detailed topographic surveys, pavement investigations, sub-grade characteristics and strength: investigation of required sub-grade and subsoil characteristics and strength for road and embankment design and subsoil investigation hydraulic investigation for bridge design (ii) Finalization of Safeguard Documents. The TA will update and finalize environmental Impact Assessment Report including Environmental Management Plan (EMP) Resettlement Plan & Resettlement Action Plan (RAP) and indigenous peoples safeguard documents (if required). ADB and the Government of West Bengal have prepared draft documents for these. Appropriate social and environmental surveys will be carried out to update and finalize these documents.

*Project Rationale and Linkage to Country/Regional Strategy:* On 31 August 2009, ADB approved the provision of a Technical Assistance Cluster (C-TA) for the Advanced Project Preparedness for Poverty Reduction in an aggregate amount not exceeding \$14 million equivalent to the Government of India. This was augmented by \$8 million on 4 October 2011 through a major change in scope. This is financed by the Government of the United Kingdom, on a grant basis, through the Department of International Development (DFID), and administered by ADB. The second phase of the TA Cluster was initiated after an amendment to the DFID-ADB memorandum of understanding was signed, and the implementation period of the TA Cluster was extended to 31 December 2014. Inclusion of the proposed TA Cluster subproject was endorsed at the Joint Advisory Committee of the TA Cluster held on 20 January 2012. Based on this endorsement, the ADB Mission discussed with the Government of India (GoI) and the Government of West Bengal (GoWB) in March and April 2012 and reached an understanding on its impact, outcome, scope, implementation arrangements, and terms of reference. The proposed C-TA subproject will assist GoWB and GoI in preparing the detailed design for the SASEC Subregional Road

Connectivity Project to improve highest priority road corridors, including land customs stations for possible financing by ADB.

#### Business Opportunities

- **Consulting Services:** The technical assistance (TA) will be implemented over 10 months, beginning in January 2013 and ending in November 2013. The TA will be carried out by a firm of consultants consisting of experts in highway engineering, logistics planning and engineering, works contracts, pavement and materials, traffic, drainage, geotechnical, survey, architecture, economics and finance, environment and social and resettlement. The input from the firm will be about 56 person-months, i.e., about 11 person-months of international and about 45 person-months of national consultants. The consultants will be engaged by ADB in accordance with the Guidelines on the Use of Consultants by Asian Development Bank and Its Borrowers. The firm of consultants will be selected using ADB's quality- and cost-based selection method. Assignments will involve coordination with multiple agencies and countries, and complexities inherent to projects in border areas, which require a certain level of innovation in project delivery. The quality- and cost-based selection (simplified technical proposal) should be adopted, with a weight of technical proposal at 90%. All studies will be undertaken with same methodologies provided in the detailed TOR for both roads and LCS components, built on the feasibility study and the preliminary design. It is expected that DPRs for roads and LCS will be ready in April/May 2013. All procurement will be done in accordance with ADB's Procurement Guidelines (2010, as amended from time to time). Disbursements under the TA will be done in accordance with the ADB's Technical Assistance Disbursement Handbook (May 2010, as amended).
- **Procurement:** To be determined

*Responsible ADB Officer:* Hiroaki Yamaguchi (E-mail: [hyamaguchi@adb.org](mailto:hyamaguchi@adb.org))  
South Asia Department  
Transport and Communications Division, SARD

## INDONESIA

### **Sustainable Infrastructure Assistance Program**

**TA No.** : 0013  
**Project No.** : 46380-001  
**Executing Agencies** : National Development Planning Agency (BAPPENAS)  
**Sector** : Multisector

*Status:* Board approved on 17 June 2013

*Description:* Recent consultations between the Government of Indonesia and the Asian Development Bank (ADB) have highlighted the importance of continued support for infrastructure development to sustain inclusive growth. The government's development strategy includes both the urban areas of Java Island, and rural areas and islands in eastern Indonesia, where infrastructure development is very limited. The technical assistance cluster (TAC) will support the government's efforts to meet its development goals by improving the investment climate, associated policies and institutional capacity, for infrastructure development. The TAC will support identified projects by enhancing project preparedness and developing local capacity for improved project implementation. The expected impact will be increased infrastructure investments in the energy, transport, WSS, and urban services sectors to sustain economic growth and poverty reduction. The TAC outcome will be improved project readiness and development of a set of bankable projects in the energy, transport, WSS, and urban services sectors.

*Project Rationale and Linkage to Country/Regional Strategy.* There are infrastructure bottlenecks across most sectors, but these are particularly significant in the energy, transport, water supply and sanitation (WSS), and urban services sectors. A review of ADB's prior operations and other evaluation studies in the infrastructure sectors in Indonesia point to several persistent challenges: (i) the poor capacity of implementing agencies to design, procure and implement projects; (ii) long delays in land acquisition and permit processing; (iii) an inadequate focus on environmental and social safeguards; and (iv) inadequate private sector participation. The TAC will address these challenges through an integrated, comprehensive approach that focuses on projects and their enabling environment, and complements project preparatory work through capacity strengthening of implementing agencies, bolstering of safeguards-related measures, and relevant analytical work.

*Impact.* Infrastructure investments in the energy, transport, and WSS and urban services sectors increased

*Outcome.* Project readiness improved and a set of bankable projects developed in energy, transport, WSS, and urban service sectors

*Outputs:*

- 1) Policy and advisory recommendations developed
- 2) Capacity of sector agencies strengthened
- 3) Infrastructure projects suitable for financing by ADB and the government prepared.
- 4) Knowledge management and dissemination undertaken

Business Opportunities

- **Consulting Services:** Consultants will be engaged by ADB in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). Taking into account the design features of the TA, the TA will require a mix of national and international consultants with various skills, as well as a mix of recruitment approaches involving both individuals and firms. Firms and individuals will be contracted through a mix of quality-based selection, single source selection, and quality-and cost-based selection using full and simplified technical proposals as may be most appropriate for the circumstances of each assignment. Lump sum contracts for specific outputs may also be used. The implementation of TA activities will require the services of international consultants (450 person-months, pm) and national consultants (510 pm) totaling (960 pm). This includes a requirement of 810 pm (380 pm international and 430 pm national consultants) for the component TAs. The IMU will require a total of 110 pm of consultant services, 50 pm international and 60 pm national. A provision has been made for 40 pm of consultant services (20 pm international and 20 pm national) to respond to immediate requirements for specific advisory services to the EAs and IAs.
- **Procurement:** Procurement under the TAC and component TAs will be done in accordance with ADB's Procurement Guidelines (2010, as amended from time to time). Equipment for the component TAs will be procured by the TA consultants and turned over to the government upon completion of the TA. All disbursements under the TA will be done in accordance with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time). AusAID will disburse the funds in accordance with the project requirements as communicated by ADB in consultation with the government.

*Responsible ADB Officer:* Pradeep Tharakan (E-mail: [ptharakan@adb.org](mailto:ptharakan@adb.org))  
Southeast Asia Department  
Indonesia Resident Mission

## KAZAKHSTAN

### Astana Light Rail Transit Project

**TA No.** : 7865  
**Project No.** : 45195-002  
**Amount (US \$ million)** : 0.7  
**Executing Agencies** : Astana LRT LLP  
**Sector** : Transport and ICT

*Status:* Board Approval on 14 May 2013

*Description:* The proposed Astana Light Rail Transit (LRT) project will promote urban mobility and improve quality of life, thereby supporting inclusive growth in the fast-growing Astana City in the Republic of Kazakhstan. It will support the construction of a part of the LRT system which the Government of Kazakhstan (GOK) plans to construct during 2012-2017. The whole LRT system will be structured in three phases: (i) phase 1 of 14 kilometer from the Astana airport to the city center; (ii) phase 2 of 8 km to 10 km from the city center to the northern part of Astana and the main railway station; and (iii) phase 3 of 18 km that will close the loop back to the city center. GOK considers this to be a flagship project, and has requested the Asian Development Bank (ADB) to finance the civil works for Phase 2 (the project). Phase 3 will be pursued at a later stage. The LRT system will introduce modern tram in Kazakhstan and provide a holistic solution for integrated urban mobility, having a demonstration value and potential for replication as no modern transit system currently exists in the country.

*Project Rationale and Linkage to Country/Regional Strategy:* In addition to the technical and economic feasibility studies prepared in 2010-2011, detailed design for the whole LRT network including the project (phase 2) will be performed by the Turnkey contractor hired for phase 1. However, a technical assistance is required to conduct project due diligence, to complete safeguards assessments and to ensure project readiness.

#### Business Opportunities

- Consulting Services: LRT project due diligence (international consultant 16 person-months and national consultant 4 person-months) requires a team of 8 experts -LRT specialist, transport economist and financial specialist, environmental specialist (international and national), social and resettlement specialist (international and national), gender specialist, and contract and procurement specialist- recruited as individual consultant.
  
- Procurement: To be determined

*Responsible ADB Officer:* Bertrand Goalou (E-mail: [bgoalou@adb.org](mailto:bgoalou@adb.org))  
Central and West Asia Department  
Urban Development and Water Division, CWRD

## MICRONESIA

### Yap Renewable Energy Development Project

**TA No.** : 3004/3005  
**Project No.** : 44469-013  
**Amount (US \$ million)** : 9  
**Sector** : Multisector

*Status:* Board approved on 20 June 2013

*Description:* The proposed Yap Renewable Energy Development Project (Project) will support development of the power system in State of Yap (Yap), Federated States of Micronesia (FSM) in order to reduce dependency on imported diesel. This will be achieved through expansion of renewable power generation and improving the supply side efficiencies of power delivery.

*Impact:* Energy security of Yap has improved.

*Outcome:* YSPSC supplies an increased amount of clean and renewable energy to Yap

#### *Outputs:*

1. YSPSC installs wind power generation
2. YSPSC expands solar power generation
3. YSPSC improves efficiencies of diesel power generation
4. Efficient project management services

#### Business Opportunities

- Procurement: To be determined
- Consulting Services: To be determined

*Responsible ADB Officer:* Anthony Maxwell (E-mail: [amaxwell@adb.org](mailto:amaxwell@adb.org))  
Pacific Department  
Transport, Energy and Natural Resources Division, PARD

## MYANMAR

### A. Support for Post-Primary Education Development

**TA No.** : 8385  
**Project No.** : 47177-001  
**Amount (US \$ million)** : 1  
**Executing Agencies** : Ministry of Education  
**Sector** : Education

*Status:* Board approved on 19 Jun 2013

*Description:* The proposed policy and advisory technical assistance (PATA) will directly support Myanmar's Comprehensive Education Sector Review (CESR), which is led by the Ministry of Education (MOE) coordinating involvement by relevant government agencies and support by multiple development partner organizations (DPOs). As the first rigorous and comprehensive assessment of the education sector in 2 decades, the CESR will be fundamentally important in helping the government more precisely pinpoint sector challenges and providing a strengthened evidence base for needed reforms and investments. In particular, the CESR process will culminate in the formulation (by August 2014) of a Costed Education Sector Plan (CESP) as unified framework for prioritized and sequenced investments by both the government and DPOs. The 2-year CESR process consists of 3 phases, focusing on: (i) rapid assessment (Phase 1), (ii) in-depth analysis (Phase 2), and (iii) CESP formulation (Phase 3). The CESP will include: (i) a 2-year plan covering FY2014 FY2015, and (ii) interim planning for education sector investments during FY2016 FY2020 and input into formulation of the national multisector Sixth Five-Year Plan. More specifically, the proposed PATA will directly support MOE and other agencies in undertaking analysis, policy dialogue, and planning related to the post-primary education (PPE) subsectors consisting of the secondary education subsector (SES), technical and vocational education and training (TVET), and higher education subsector (HES) under the umbrella of the government-led, DPO-supported CESR. In particular, the PATA will provide flexible, needs-tailored support for in-depth analysis and policy dialogue and advice during CESR Phase 2, and formulation of viable PPE elements within the broader CESP to be approved at the end of Phase 3. Inputs under the PATA TA will involve close cooperation with a small number of other DPOs supporting PPE-related elements of the CESR (e.g., GIZ and UNESCO), while support for secondary education curriculum reform will be closely dovetailed with expected JICA support for primary education curriculum reform. More generally, the PATA will be closely harmonized with and complement other DPOs support (largely focused on primary, pre-primary, and non-formal education), and will also complement and build on foundational analysis, capacity development, and other front-end support under ongoing ADB capacity development technical assistance CDTA 8187-MYA (in partnership with AusAID).

*Impact:* Viable and sequenced education planning implemented

*Outcome:* Post-primary education subsector plans and priority investments embedded in new CESP

*Outputs:*

- In-depth PPE subsector analyses completed PPE policy and planning frameworks strengthened
- Preliminary feasibility analyses completed for high-priority PPE subsector investments

Business Opportunities

- **Consulting Services:** Subject to further review, the TA will support indicatively 45.0 person-months of international and 60 person-months of national consultants, who will have expertise in secondary education subsectors (SES), technical and vocational education and training (TVET), and/or higher education subsectors (HES), who will be recruited as individuals and engaged by

ADB in accordance with the Guidelines on the Use of Consultants (2010, as amended from time to time). Advertisements for initially required consultant positions are expected to be posted via ADB's Consultant Management System (CMS) Consulting Service Recruitment Notice (CSRN) in June 2013, with additional recruitments later in the TA. The TA will also flexibly mobilize short-term resource persons to provide specific expertise, as needed.

- Procurement: The TA is expected to finance very modest procurement, including resource materials and minor equipment (indicatively three laptop computers and one printer), in a manner consistent with ADB's Procurement Guidelines (2010, as amended from time to time), and other ADB guidelines and procedures.

*Responsible ADB Officer:* Christopher A. Spohr (E-mail: [cspohr@adb.org](mailto:cspohr@adb.org))  
Southeast Asia Department  
Human and Social Development Division, SERD

## **B. Capacity Development of the National Statistical System**

**TA No.** : 8377  
**Project No.** : 46485-001  
**Executing Agencies** : Ministry of Nat'l Planning & Economic Development  
**Sector** : Public sector management

*Status:* Board approved on 7 June 2013

*Description:* A timely, relevant, and credible statistical system is a pre-requisite for developmental planning and any policy, program, developmental support by ADB and other donors and for measuring development effectiveness in Myanmar in the coming years. Accordingly, the strategic and institutional capacity of the national statistical system (NSS) of Myanmar and the technical and statistical skills of staff need to be strengthened to enable Myanmar to adopt international standards in the collection, compilation, and timely dissemination of comparable official statistics. As such, this TA is intended to provide support for improving statistical capacity of Myanmar in line with the priorities set in Myanmar's NDP and ADB's interim country partnership strategy and ASEAN regional cooperation needs.

*Impact:* A national statistical system that can adequately respond to the data needs of development planning, policy making, and monitoring in Myanmar

*Outcome:* Strengthened institutional, strategic and technical capacity of the national statistical system of Myanmar

### *Outputs:*

1. Inputs provided for the national statistical system and the NSDS (NSDS will be developed as a country-owned strategy for statistics, in collaboration with the World Bank and other development partners)
2. An updated statistics law that stipulates improved institutional, organizational, and coordination mechanisms drafted for wider consultation
3. In-country and international statistics training programs designed and implemented, and CSO s training capacity improved
4. Economic statistics, particularly the national accounts following the 2008 SNA, and price statistics improved
5. Dissemination of official statistics improved

### Business Opportunities

- Consulting Services: Overall, the TA will require an estimated 35 person-months of international consultancy and 17 person-months of national consultancy. Eight (8) person-months of

international consultancy will be used for statistics training and capacity building support and five (5) person months for institutional, organizational and statistics law related reforms. Another 18 person-months of international consultancy will be used to provide expertise on specific topics like economic statistics, national accounts, price statistics, sample survey, and data processing; while 4 person-months of training resources will be for providing in-country training to the identified participants on specialized statistical topics as needed. Fourteen (17) person-months of national consultancy will be used to assist in implementing various activities of the TA and supporting international consultants including for statistics law. Individual consultants are preferred over a firm in consideration of specialized consultancy services needed for implementing different activities under the TA. Training, workshops, and seminars will be administered by the consultants from the TA budget.

- Procurement: To be determined

*Responsible ADB Officer:* Kaushal Joshi (E-mail: [kjoshi@adb.org](mailto:kjoshi@adb.org))  
Economics and Research Department  
Development Indicators and Policy Research Division

## NEPAL

### Third Small Towns Water Supply and Sanitation Sector Project

**TA No.** : 8346  
**Project No.** : 35173-012  
**Amount (US \$ million)** : 0.8  
**Executing Agencies** : Ministry of Urban Development  
**Sector** : Water Supply and Sanitation

*Status:* Board approved on April 5, 2013

*Description:* Following the First and the Second Small Towns Water Supply and Sanitation Sector Projects (the earlier projects), the Third Small Towns Water Supply and Sanitation Sector Project (the project) will support the ongoing efforts of the Government of Nepal (the government) to further improve water supply and sanitation service delivery in small towns in Nepal. The project preparatory technical assistance (PPTA) will leverage the experience gained from the earlier projects, and incorporate lessons learned to prepare for the project. The PPTA will assist the government in amending the Development Plan, preparing cost estimates and financing plan and the feasibility studies of the sample subprojects, with a special focus on structuring and refining the project design, including rationale, modality, appraisal, financing, implementation and institutional arrangements, and developing eligibility and evaluation criteria for future subproject selection in close consultation with the government and ADB. Upon finalizing the project modality, the PPTA will prepare the project, following ADB's due diligence requirements.

*Project Rationale and Linkage to Country/Regional Strategy:* The PPTA for the project is necessary in order to achieve the project outputs, including: (i) improved water supply and sanitation infrastructure; (ii) improved institutional capacity and project implementation platform; and (iii) improved financing mechanism for infrastructure investments. In addition to improved infrastructure, improved institutional capacity and implementation platform together with improved financing mechanism will contribute to the government's long-term agenda in up-scaling investments in the sector, particularly for small towns.

#### Business Opportunities

- **Consulting Services:** The PPTA will require 4 positions and 14 person-months of international consulting services and 11 positions and 57 person-months of national consulting services by an international consulting firm in association with national consulting firm(s). ADB will recruit additional two international consultants on individual basis for a total of 5 person-months. ADB

will select and engage consultants according to ADB's Guidelines on Use of Consultants (2010, as amended from time to time) and other arrangements satisfactory to ADB for the selection and engagement of consultants. The quality and cost-based selection method, using the quality cost ratio of 90:10 and full technical proposal procedures, will be followed. The quality cost ratio is justified due to: (i) the in-depth local knowledge required to prioritize and select multiple subproject towns; (ii) the specific expertise required to conduct financial market and financial institution assessment, financial structuring, market analysis and procurement assessment; and (iii) the comprehensive technical expertise combined with local knowledge to prepare technical feasibility studies and preliminary designs specific for distinct sample subproject towns. The PPTA will address the following aspects relating to the project: (i) assessment of executing agency (EA) and the PMO capacity and preparation of capacity building plan to minimize implementation, procurement and financial management risks; (ii) indicative loan related procurement plan based on procurement capacity assessment; and (iii) indicative implementation schedule with proposed sequencing of consultant recruitment and bidding and awarding of procurement packages.

- Procurement Notices: To be determined

*Responsible ADB Officer:* Jie Zheng (E-mail: [jzheng@adb.org](mailto:jzheng@adb.org))  
South Asia Department  
Urban Development and Water Division, SARD

## PHILIPPINES

### A. Supporting Capacity Development for the Bureau of Internal Revenue (BIR)

**Project No. :** 46429-001 (Proposed)  
**Amount (US \$ million) :** To be determined  
**Executing Agencies :** Philippine Country Office  
**Sector :** Public sector management

*Status:* For board approval in April 2013

*Impact:* Increase tax revenues

*Outcome:* BIR has improved capacity to mobilize tax revenues

#### *Outputs:*

- International best practices on staff training and tax administration shared
- A training strategy and medium-term training plan
- Revised training materials
- Training for trainers' seminar
- A new training course for new recruits

#### Business Opportunities

- Consulting Services: A total of 26 person-months (intermittent) of international consulting services and 24 person-months (intermittent) of national consulting services will be required to ensure the effective implementation of this TA.
- Procurement: To be determined

*Responsible ADB Officer:* Norio Usui (E-mail: [nusui@adb.org](mailto:nusui@adb.org))  
Southeast Asia Department  
Philippines Country Office

**B. Education Improvement Sector Development Program**

**Project No.** : 45089-001 (Proposed)  
**Amount (US \$ million)** : 1.5  
**Executing Agencies** : Department of Education  
**Sector** : Multisector

Project details to be determined by ADB

Business Opportunities

- Consulting Services: The project preparatory technical assistance (PPTA) will recruit individual consultants and a consulting firm (QCBS, 80:20) to implement the PPTA. Consultant engagement will be sequenced to ensure timely delivery of ADB support. Consultant requirements are estimated at 34.5 person-months of international consultant inputs and 50.5 person-months of national consultant inputs. Consultant recruitment will be phased. Some international and national consultants will be engaged as individual consultants and will be recruited by January 2012: (i) the Secondary Education Policy, System Reform and Finance specialists; (ii) the Education Facilities and Infrastructure PPP specialists; and (iii) the Education Service Delivery PPP specialists.
- Procurement Notices: To be determined

*Responsible ADB Officer:* Norman LaRocque (E-mail: [nlarocque@adb.org](mailto:nlarocque@adb.org))  
Southeast Asia Department  
Human and Social Development Division, SERD

**C. PFM 3 [previously Governance and Public Financial Management Phase I (Cluster TA)]**

**Project No.** : 43398-012 (Proposed)  
**Executing Agencies** : Department of Education  
**Sector** : Multisector

*Status:* Fact-finding scheduled on 28 Jun 2011 to 29 Jun 2011

Details to be determined

Business Opportunities:

- Consulting services: To be determined
- Procurement: To be determined

*Responsible ADB Officer:* Kelly Bird (E-mail: [kbird@adb.org](mailto:kbird@adb.org))  
Southeast Asia Department  
Public Management, Financial Sector and Trade Division, SERD

#### **D. The Procter & Gamble Company Waste to Worth Project**

**Project No.** : 46927-012 (Proposed)  
**Executing Agencies** : The Procter & Gamble Company  
**Sector** : Multisector

*Status:* Concept Clearance scheduled on 5 July 2012

*Description:* The project preparatory technical assistance (PPTA) will partly finance site-specific feasibility studies for two waste-to-energy projects located in Angeles City, Pampanga and Antipolo City, Rizal.

*Project Rationale and Linkage to Country/Regional Strategy:* One objective of ADB's country partnership strategy for the Philippines which is to reduce environmental degradation and vulnerability to climate change and disasters. To achieve this, ADB will support investment needs to ensure sustainable financing of infrastructure and foster development of sustainable communities; ADB assistance aims to strengthen waste management and flood control systems among others. PSOD, in particular, is in search of commercially viable solutions and partners who have the financial capacity and are willing to experiment and innovate in this area. The proposed PPTA is consistent with this objective improving sustainable environmental infrastructure in highly urbanized areas where economic gains can be maximized. It will also incentivize private sector participation in addressing MSW problem.

*Outputs:* The output of the PPTA is satisfactory completion of the feasibility study, supporting the development of the two WTE project in Antipolo City and Angeles City.

#### Business Opportunities:

- Consulting services: To be determined
- Procurement: To be determined

*Responsible ADB Officer:* Jose Manuel Limjap (E-mail: [jlimjap@adb.org](mailto:jlimjap@adb.org))  
Private Sector Operations Department  
Infrastructure Finance Division 2

#### **E. Climate Resilience and Green Growth in Critical Watersheds**

**Project No.** : 46441-001 (Proposed)  
**Amount (US \$ million)** : 1.73  
**Executing Agencies** : Asian Development Bank  
**Sector** : Multisector

*Status:* Concept Clearance scheduled on 1 March 2013

*Description:* The proposed technical assistance (TA) is aimed at strengthening the capacity of LGUs in critical watersheds including the lower Marikina river basin, Camarines Sur and Davao Oriental. These areas are chosen based on their: (i) high bio-physical vulnerability to climate change impacts; (ii) high levels of urban poverty and population density with settlements in vulnerable locations; and (iii) high demonstration potential to the rest of the country, in terms of mainstreaming climate resilience and green growth in local development at policy and operational levels. The proposed TA includes stocktaking and vision setting in creation of a green growth road map for each.

*Project Rationale and Linkage to Country/Regional Strategy.* The TA supports the Philippines National Climate Change Action Plan (NCCAP) for 2011-2028, which anchors on building ecologically stable and economically resilient towns. The TA supports the implementation of the Philippines Climate Change Act (Republic Act No. 9729), which aims at mainstreaming climate risk reduction into national, sector and local development plans and programs. The TA has strong links to the Philippines development plan, 2011-2016, especially with regard to goal 3 (enhanced resilience of natural systems and improved adaptive capacities of human communities to cope with environmental hazards, including climate-related risks) of the strategic framework for conservation, protection, and rehabilitation of the environment and natural resources.

*Impact:* Enhanced climate resilience and green growth in critical watersheds

*Outcome:* Improved ability of LGUs and other stakeholders to mainstream climate resilient and green growth options into development programs, plans and policies

*Outputs:*

- GHG inventory and assessment of vulnerabilities to climate change at LGU level
- Gender-responsive priority measures for adaptation and GHG mitigation for each LGU Selection of pilot areas and demonstration of priority climate change actions
- Climate change knowledge products to enhance technical capacity

Business Opportunities:

- Consulting Services: The technical assistance (TA) will be implemented over 30 months from 1 October 2013 to 31 March 2016 and will require an estimated 14 person-months of international and 200 person-months of national consultant inputs, to be engaged through a consulting firm in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
- Procurement: Procurement and disbursement will be done in accordance with ADB's Procurement Guidelines (April 2010, as amended from time to time) and ADB's Technical Assistance Disbursement Handbook (May 2010, as amended from time to time).

*Responsible ADB Officer:* Ancha Srinivasan (E-mail: [asrinivasan@adb.org](mailto:asrinivasan@adb.org))  
Southeast Asia Department  
Environment, Natural Resources & Agriculture Division, SERD

**F. Second Road Improvement & Institutional Development Project**

**Project No. :** 41076-045 (Proposed)  
**Amount (US \$ million) :** 0.9  
**Executing Agencies :** Asian Development Bank  
**Sector :** Transport and ICT

Project details to be determined by ADB

Business Opportunities:

- Consulting Services: To be determined
- Procurement Notices: To be determined

*Responsible ADB Officer:* Jeffrey M. Miller (E-mail: [jmiller@adb.org](mailto:jmiller@adb.org))  
Southeast Asia Department, Transport and Communications Division, SERD

### G. Water District Development Sector Project

**Project No.** : 41665-012 (Proposed)  
**Executing Agencies** : Local Water Utilities Administration  
**Sector** : Water Supply and Sanitation

*Status:* Fact-finding 25 Mar 2008 to 09 Apr 2008

*Description:* The project preparatory technical assistance (PPTA) will prepare a loan project suitable for ADB to consider financing. The ensuing loan will help improve living conditions of the urban population outside Metro Manila, enhance competitiveness by developing water supply infrastructure, and provide capacity building of water utilities. It will also support the reorganization and institutional development of LWUA, and contribute to sector reform.

*Project Rationale and Linkage to Country/Regional Strategy:* The proposed Water District Development Project (WDDP): (i) will continue ADB's long-term cooperation with LWUA; (ii) is in line with the CSP (2005-2007) and ADB's Water Financing Program; (iii) is in line with the Government's objective to provide improved water supply to the country (Medium-Term Philippine Development Plan 2004-2010); and (iv) will support achievement of related targets of the Millennium Development Goals (MDG).

*Impact:* Improved livability and competitiveness in urban areas outside Metro Manila due to better water supply and sanitation infrastructure and the sustainable provision of safe water supply and sanitation services.

*Outcome:* Design of the ensuing loan project agreed upon by LWUA, the Government, and the Asian Development Bank.

#### Business Opportunities:

- Consulting Services: The PPTA will require 92 person-months of consulting services, including 22 international and 70 national consultants. ADB will engage the consultants through a firm.
- Procurement Notices: To be determined

*Responsible ADB Officer:* Rudolf Frauendorfer (E-mail: [rfrauendorfer@adb.org](mailto:rfrauendorfer@adb.org))  
Southeast Asia Department  
Urban Development and Water Division, SERD

## REGIONAL

### A. Provision of Knowledge Products and Services to DMCs through Systematic Knowledge Sharing

**Project No.** : 46244-001  
**Amount (US \$ million)** : To be determined  
**Executing Agencies** : Asian Development Bank  
**Sector** : Multisector

*Status:* Board Approval on 30 May 2013

*Description:* Knowledge plays a vital role in driving economic growth and achieving development outcomes. Provision of knowledge products and services (KPS) has been a key part of ADB's development assistance. In 2008, ADB made knowledge solutions one of the drivers of change in

Strategy 2020. Subsequently, ADB undertook a number of initiatives to scale up and strengthen its knowledge operations. One of these initiatives is the establishment of the Knowledge Sharing and Services Center (KSSC). Part of KSSC's mandate is to deliver knowledge sharing and support services in ADB and for DMCs by enhancing internal knowledge sharing and developing external knowledge sharing and partnerships.

*Project Rationale and Linkage to Country/Regional Strategy:* This technical assistance is proposed to support provision of KPS to DMCs through systematic knowledge sharing.

*Impact:* Greater development effectiveness of ADB operations and of development projects of DMCs and more informed development policy-making in DMCs.

*Outcome:* Increased capacity in ADB to capture and apply knowledge embedded in its operations and more knowledge sharing among think tanks in developing Asia.

*Outputs:*

- Capturing ADB's Operations Knowledge: Proposal of a model to extract embedded knowledge in ADB operations
- Capturing ADB's Operations Knowledge: Launch of demonstrative knowledge products
- Asia Think Tanks Networking: Establishment of a network of Asian think tanks for sharing knowledge, particular attention will be given to the needs of the low-income DMCs
- Asia Think Tanks Networking: Knowledge sharing events Asia Think Tanks Networking: Knowledge products

Business Opportunities

- Consulting Services: Consultants will be recruited, either individually or through firms. The implementation of TA activities will require the services of international consultants (up to 7 person-months, intermittent) and national consultants (up to 31 person-months, intermittent).
- Procurement: To be determined

*Responsible ADB Officer:* Dongxiang Li  
Regional and Sustainable Development Department  
RSDD-KS

**B. Greater Mekong Subregion Phnom Penh Plan for Development Management Phase V**

**Project No. :** 46232-001 (Proposed)  
**Amount (US \$ million) :** 0.75  
**Executing Agencies :** Asian Development Bank  
**Sector :** Public sector management

*Status:* Board approved on January 22, 2013

*Description:* The Phnom Penh Plan for Development Management (PPP) is a capacity development program that supports knowledge products and services in the Greater Mekong Subregion (GMS). It is a pioneering program to build capacities of civil servants and to promote regional cooperation in the GMS. PPP has received total funding of \$10.95 million since its inception in 2003 for the first four phases. It is designed as a continuing project, with each phase building on the experiences and lessons of previous phases. The PPP has had notable achievements. Learning programs provide GMS policy makers and managers with conceptual tools and frameworks on regional integration and leadership, core development sectors, development management and cross-cutting themes. These programs enhance their skills in developing and implementing functional and strategic development interventions. To date,

2,032 GMS civil servants have attended 103 PPP learning programs organized with 28 capacity development partners (within and outside the GMS). The PPP supports fellowships to prestigious universities and institutes. Graduates of these learning programs or the 47 fellows now constitute the core of development leaders who are making a difference in the GMS. Seven issues of the Journal of Greater Mekong Subregion Development Studies, a multidisciplinary peer-reviewed publication promotes better understanding of GMS development issues have been published. The PPP Research Program has funded 4 multi-country research projects (female labor quality; contract farming; financial services in border areas; and cross-border economic zones) participated by 14 GMS institutions and produced 4 working papers, 4 policy briefs and a journal special issue. The PPP organized 7 GMS Development Dialogues (GDDs) attended by 500 participants from government, civil society, academe, private sector and media to provide a platform for in-depth discussion of subregional issues to enhance policy and decision making capacities. The PPP also supports learning resource centers in Cambodia and Lao PDR with about 10,000 users and organized 18 Leaders Networking for Knowledge (LINK) alumni events with 850 participants. A program management and performance monitoring and evaluation system set up to be more results oriented. A newsletter (Mekong Leaders) published and website established. The TA builds on past experiences and lessons learned from previous phases. Several evaluation were conducted on the PPP including an evaluation study conducted by OED in 2008, the PPP Impact Assessment Study also in 2008 and TA completion reports for the first three phases. The major lessons learned include the need for: (i) selecting learning programs with more sharpened focus and customization that contribute to developing individual civil servants capacities to support GMS cooperation; (ii) better targeting of participants involved in GMS working groups, programs and projects; (iii) follow-up and deepening programs, i.e. one-off programs unlikely to lead to sustainable workplace behavior; (iv) progressively develop technical and financial sustainability; (v) more active roles of GMS institutions (both research and training), despite their weak capacities, for PPP to phase out and eventually assume a more facilitative and enabling role; (vi) developing a pool of GMS trainers and experts; (vii) GMS learning materials (e.g. case studies, manuals and tool kits); (viii) better synergies and linkages of policy research with learning programs; and (ix) better indicators (baseline and targets) for more results-oriented capacity development. These lessons were taken into account, thus the regional capacity development technical assistance (R-CDTA) design include new key features: (i) customized regional cooperation learning programs; (ii) better targeting of participants; (iii) sustainability strategies such as Training of Trainers (TOT), learning materials development and new partnership modalities; (iv) South-south cooperation focusing on low income countries; and (v) tracer studies and comprehensive evaluation.

*Impact:* GMS Governments design and implement effective and efficient strategies and projects to promote subregional cooperation

*Outcome:* GMS civil servants apply knowledge acquired and skills sets developed in their work place  
Implementation Progress

*Outputs:*

1. GMS government officials acquire knowledge and develop skills set
2. High quality research on priority GMS development issues accessible to GMS civil servants
3. Knowledge acquisition, dissemination and networking on GMS cooperation improved
4. Improved capacities of GMS institutions for sustainability
5. An effective project management and performance monitoring system

Business Opportunities

- Consulting Services: 3 national consultants (individual) for total of 54 person-months of input and 1 international consultant (individual) for 8 person-months of input
- Procurement: To be determined

*Responsible ADB Officer:* Alfredo Perdiguero (E-mail: [aperdiguero@adb.org](mailto:aperdiguero@adb.org))  
Southeast Asia Department  
Thailand Resident Mission

**C. Support for a Regional Platform on Innovations in Education and Human Resources Development for Competitiveness towards an Integrated ASEAN Community**

**TA No.** : 8389  
**Project No.** : 46070-001  
**Amount (US \$ million)** : 1.4  
**Executing Agencies** : Southeast Asian Mins of Education Organization  
**Sector** : Multisector

*Status:* Board approved on 21 Jun 2013

*Description:* The technical assistance (TA) will support specific activities of the SEAMEO College which will be mainly the delivery of capacity building modules for education ministers, policy makers, education practitioners, and youth leaders in ASEAN-wide education and human resource development (HRD) issues.

*Project Rationale and Linkage to Country/Regional Strategy:* The TA will respond to a changing context of regional cooperation in education and HRD in Southeast Asia, namely, the urgent need to help accelerate the process of building an integrated ASEAN Community by 2015.

*Impact:* Regional education and HRD innovations for a more integrated ASEAN community

*Outcome:* Strengthened capacity of education leaders and practitioners to address ASEAN-wide education and HRD issues

*Outputs:*

1. Knowledge on regional frameworks for common standards in education and HRD enhanced and shared among education policy makers
2. Regional and country case studies on innovative solutions to ASEAN-wide education and HRD issues developed and disseminated
3. Policy options for promoting learning and innovations among education practitioners and youth leaders identified
4. Research capacity of SEAMEO College enhanced
5. Institutional linkages of SEAMEO regional centers as integral constituents of SEAMEO College strengthened

Business Opportunities

- Consulting Services: About 84 person-months of 7 international consultants will be engaged on an individual basis.
- Procurement: To be determined

*Responsible ADB Officer:* Yasushi Hirosato (E-mail: [yhirosato@adb.org](mailto:yhirosato@adb.org))  
Southeast Asia Department  
Human and Social Development Division, SERD

#### **D. Promoting Cooperation in Sanitary and Phytosanitary Measures for Central Asia Regional Economic Cooperation**

**TA No.** : 8386  
**Project No.** : 46019-001  
**Amount (US \$ million)** : 0.5  
**Executing Agencies** : Asian Development Bank  
**Sector** : Public sector management

*Status:* Board approved on 18 Jun 2013

*Description:* The Asian Development Bank (ADB) engaged a consultant to conduct an assessment of how SPS measures are administered and applied in CAREC countries and the extent to which application of these measures impedes or facilitates trade. A workshop was organized to validate the results of the preliminary assessment and develop a series of next steps to modernize and make more consistent the application of SPS measures regionally. In line with the discussions held, a phased, focused, and incremental approach is proposed. This TA will support the implementation of a dedicated SPS program for CAREC to help expand trade and enhance the competitiveness of growers and producers of goods and commodities subject to SPS measures. The proposed TA will focus on providing initial policy, institutional, and project identification assistance to CAREC countries in modernizing implementation of SPS measures to facilitate trade. The objective is to build the foundations upon which to anchor an agenda for SPS reform in support of trade facilitation in CAREC.

*Impact:* CAREC governments will increase inter and intra-regional trade in agriculture and food products.

*Outcome:* CAREC governments design and implement coordinated national and regional SPS reform agendas that adopt and apply international SPS measures to facilitate and expand international and intra-regional trade

*Outputs:*

- Regulatory review of oversight and application of SPS measures in CAREC countries
- Inventory of laboratory assets in the region
- Research to develop specialized border-crossing points for priority handling of perishables

Business Opportunities

- **Consulting Services:** A team of four international consultants (11 person-months) and two national consultants (10 person-months) will be required to provide advisory and technical services under the TA. The international consultants will be specialists in the areas of plant health, animal health, and food safety. They will be supervised by ADB's task managers. A lead expert will serve as team leader responsible for coordinating a small team of experts that will work primarily in the field. The reporting requirements will generally include inception, interim, and final reports. In addition to their professional contributions, all consultants and resource persons are to assist ADB in disseminating best practices and supporting high-level policy dialogues through knowledge products such as strategic publications, policy, and strategy papers. National consultants will be recruited to assist the international consultants by researching and compiling relevant documents and information, translating documents, organizing the concluding conference, and providing administrative and logistical support. The national consultants will have extensive, in-depth regional and local knowledge and good contacts in the areas of SPS and trade facilitation. The national consultants will be supervised by the international consultants and the ADB task managers. ADB will endeavor to recruit a firm to assemble the consulting team. However, due to the specialized nature of the assignment, it may be necessary to recruit qualified individuals. For recruitment of a firm, the preferred selection method is quality- and cost-based selection, with a quality-cost ratio of 80:20. If no suitable firms

can provide the required expertise, consultants may be hired individually. All consultants will be recruited in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). The proceeds of the TA will be disbursed in accordance with the Technical Assistance Disbursement Handbook (2010, as amended from time to time).

- Procurement: To be determined

*Responsible ADB Officer:* Cristina Lozano  
East Asia Department  
Public Mgt, Financial Sector and Regional Coop Division, EARD

### **E. Evolving Linkages of the Pacific Economies**

**TA No.** : 8384  
**Project No.** : 46475-001  
**Amount (US \$ million)** : 0.5  
**Executing Agencies** : Asian Development Bank  
**Sector** : Multisector

*Status:* Board approved on 17 June 2013

*Description:* Adapting to evolving economic conditions (e.g., changing trade costs, shifts in trading partner economies, and a changing global and regional financial landscape) in an increasingly integrated and rapidly changing global economy presents many challenges to small and remote developing economies in the Pacific. While economies in the Pacific region generally have a high degree of openness, few formal barriers to trade and only moderate levels of restriction on investment, non-tariff and institutional barriers to trade and commerce with overseas businesses persist, and there is an urgent need to address constraints emerging from governments' lack of capacity to efficiently oversee trade and investment. The goal of furthering regional cooperation and integration (RCI) has been fully embraced by the leaders of the Pacific island countries, which reflects their collective understanding of the particular importance of regional cooperation and integration to the well-being of the region. The clearest evidence of this is the Pacific Plan's provisions for strengthening regional cooperation and integration first endorsed by the Pacific countries in 2005. Given their trade dependence and relatively low levels of capital, the potential benefits of RCI for Pacific countries are clear in terms of enabling countries to achieve economies of scale by combining national efforts in areas such as public service provision and private sector investment and tourism development. RCI could also provide important benefits in terms of pooling risks and encouraging market competition that lowers prices and improves the quality and variety of goods and services available in the region. It is also recognized that many regional challenges (e.g., pandemics, sustainable management of the Pacific fisheries, sea level rise) can only be effectively addressed through the combined efforts of all countries in the region.

*Project Rationale and Linkage to Country/Regional Strategy:* ADB's Pacific Approach, which serves as the country partnership strategies for ten (10) of the Pacific DMCs, embraces RCI as a core agenda item in the Pacific Department's strategy to promote sustained and resilient growth that provides improved standards of living in the region. This follows ADB's Strategy 2020 that highlights regional integration as one of three core development agendas for ADB operations.

*Impact:* Improved understanding of the economic linkages of Pacific countries and capacity to implement RCI initiatives in the region

*Outcome:* Improved availability of indicators and knowledge products on economic linkages in Pacific DMCs and the opportunities and barriers to greater RCI in the region

*Outputs:* Research reports and integration indicator data, and their dissemination through publications and conferences that improve understanding of the implications of evolving trade, investment, and labor market relations between Pacific economies and their traditional and emerging economic partners

#### Business Opportunities

- **Consulting Services:** A team will be recruited for 36 person-months of consulting inputs on an intermittent basis. The team will be made up of a Project Coordinator (national, up to 16 person-months), and six Research Economists (international, under lump sum contracts equivalent to about 3.5 months of full time work to be completed on an intermittent basis) with expertise variously in foreign direct investment and international financial transfers, labor markets and migration, and trade (divided across import trade, export trade, and trade in services with a focus on international tourism). Deliverables will include quarterly progress reports to be prepared by the Project Coordinator, and six research reports (developed from a detailed outline including literature review, an initial draft, and a final draft), each with associated briefs outlining key policy issues identified in the main report.
  
- **Procurement:** To be determined

*Responsible ADB Officer:* Christopher Edmonds  
Pacific Department  
Office of the Director General, PARD

#### **F. Pacific Private Sector Development Initiative, Phase III**

**TA No. :** 8378  
**Project No. :** 46510-001  
**Amount (US \$ million) :** 2  
**Executing Agencies :** Asian Development Bank  
**Sector :** Multisector

*Status:* Board approved on 6 Jun 2013

*Description:* The Pacific Private Sector Development Initiative (PSDI) Phase 3 will follow on and build on the successes and strengths of the PSDI Phases 1 and 2. These technical assistance projects, co-financed by the Australian Agency for International Development, support the Pacific Approach and Strategy 2020 of the Asian Development Bank and leverage ADB's strategic focus on private sector development, with the objective of improving the business environment in Pacific developing member countries. The TA will build on past achievements through intensive implementation support, extend work in core areas where limited reforms have occurred, and improve the business environment to enhance the competitiveness of Pacific DMCs. It will strengthen the foundation for more inclusive growth as well as advance the economic status of women. It will assist entrepreneurs in the informal sector to formalize their businesses, opening opportunities to access formal financial institutions and to take advantage of the modernization of business laws.

*Project Rationale and Linkage to Country/Regional Strategy:* It is difficult to do business in the Pacific. Firms have to deal with isolation, small market size, and poor communications. The costs of doing business are high. The PSDI focuses on reducing the costs of doing business. Many Pacific DMCs have competition frameworks that are not strong enough to regulate monopolies, provide poor consumer protection, and allow a small number of firms to dominate local economies. All of these constraints reduce private sector growth. Limited economic opportunities for women result in higher opportunity cost in terms of foregone growth and poverty alleviation. Many barriers to women's economic empowerment are systemic, being rooted in outdated laws or exclusionary economic and cultural practices.

*Impact:* The expected impact of the TA will be sustained economic growth in Pacific DMCs that increases incomes.

*Outcome:* The expected outcome will be an equitable business environment encouraging new business formation, and increased domestic and foreign investment in Pacific DMCs.

*Outputs:*

Businesses and households in selected Pacific developing member countries have improved access to financial services.

Selected business laws in Pacific developing member countries promote inclusive business formation, investment, entrepreneurship, and trade.

The delivery of infrastructure services will be made more efficient and cost-effective. Selected Pacific developing member countries governments establish a framework that promotes competition.

Successful pilot initiatives promoting the economic empowerment of women are implemented in selected Pacific developing member countries.

Strategic and knowledge management services are effectively provided.

Business Opportunities

- Consulting Services: Consultants will be engaged by ADB in accordance with the Guidelines on the Use of Consultants (2010, as amended from time to time). The following long-term consultants are proposed to be engaged: (i) Lead economist and private sector development expert; (ii) State-owned enterprise governance expert; (iii) Privatization and public private partnership expert; (iv) Competition expert; (v) Gender expert; (vi) Legal and regulatory experts; (vii) Access to financial services experts; and (viii) Monitoring and evaluation expert. Short-term consultants may be required in the following areas: (i) economic analysis; (ii) business and market analysis; (iii) PSD strategies and policies; (iv) competition policies; (v) economic empowerment of women; (vi) institutional and organizational change; (vii) SOE reform; (viii) PPPs; (ix) business law reform; (x) regulatory reform; (xi) access to finance; (xii) branchless banking; (xiii) capacity development; (xiv) knowledge management and communication; (xv) monitoring and evaluation; and (xvi) flexible results-oriented innovative grant delivery, among others.
- Procurement: To be determined

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Pacific Department  
Pacific Liaison and Coordination Office in Sydney, Australia

**G. Enhancing ADB's Engagement in Fragile and Conflict-Affected Situations**

**TA No. :** 8065  
**Project No. :** 45328-001  
**Amount (US \$ million) :** 0.8  
**Executing Agencies :** Asian Development Bank  
**Sector :** Multisector

*Status:* Board approved on 30 May 2013

*Description:* The proposed technical assistance (TA) aims to support ADB's FCAS developing member countries in building effective institutions that will support their peace-building and or state-building efforts. Country-led capacity development will be carried out to enable government counterparts formulate and implement strategic and operational approaches to address the challenges of fragility. The FCASs include fragile Pacific developing member countries and those in post-conflict situations such as Afghanistan and transitional Nepal, or country where there is a subnational situation of fragility like Sri

Lanka. To support growth and economic development in FCAS, the proposed TA will identify peace-building and or state-building opportunities by conducting fragility assessments and formulating capacity development plans. It aims to foster new thinking to improve the use of innovative instruments and approaches in FCAS, including use of peace or fragility filters, and political economy analyses. These tools can be used to develop appropriate capacity development plans, and to better design and implement country strategies and projects. The proposed TA will contribute to an enhanced alignment with DMC governments' national development plans and state-building activities, as well as stronger harmonization with other development partners in FCAS to support the country-led efforts of transition out of fragility. The momentum thus far acquired in knowledge management in support of ADB's approach to FCAS will also be improved, bringing a deeper understanding and stronger application of innovative operational approaches into the mainstream of ADB's operations in FCAS. Building on the outputs and outcome of the previous assistance supporting ADB's engagement in fragile situations, the proposed TA will further strengthen conflict-sensitive approaches and participation, and enhance government counterparts and ADB staff capacities to conduct political economy assessments supporting development activities in FCASs. In particular, the proposed TA also intends to integrate fragility assessments and political economy analysis into the implementation of ADB's Pacific Approach. This proposed TA will build on the experiences of the ongoing TA that aims to introduce and mainstream different operational approaches to situations of fragility or post-conflict in ADB. It will benefit from the lessons learned from the pilot initiatives in Nepal and in Pacific countries. The proposed TA will identify best practices and lessons learned on conflict risk assessment under the TA on Development Partnership Program for South Asia, in particular from experiences gained in Sri Lanka. It will also benefit from the outcomes of the TA on Enhancing Engagement with Pacific Developing Member Countries and Strengthening Pacific Economic Analysis and Policy Development. A key lesson from these TAs is that further strengthening of ADB and counterpart agencies capacity for engagement in FCASs is needed to improve development effectiveness in such fragile settings.

*Project Rationale and Linkage to Country/Regional Strategy:* The proposed TA responds to ADB's Strategy 2020 recommendation to seek innovative means to strengthen the effectiveness of country-led models of engagement in FCASs. It supports the implementation of ADB's approach to engaging with FCAS and the Pacific Approach 2010-2014. It will also support implementation of the 2010 recommendations of the Special Evaluation Study on FCAS.

*Impact:* Improved effectiveness of development assistance in FCAS DMCs

*Outcome:* Enhanced capacity of key government agencies in FCAS DMCs to address fragility issues

*Outputs:*

1. Country-led fragility assessments processes and tools successfully tested and documented in selected FCAS DMCs.
2. Country-led capacity development plans implemented in selected FCAS DMCs.

Business Opportunities

- **Consulting Services:** A development specialist with expertise on fragile and conflict-affected situations (international consultant, intermittent 14 person-months), will assist in identifying the need for services and developing activities, tools, fragility assessments, and plans for capacity development based on country context, CPA assessment, and country diagnostics. He/she will assist in developing and piloting country-led fragility assessments and country-led capacity development plans. A research and knowledge management specialist (national consultant, intermittent 20 person-months), based at ADB headquarters, will assist the focal point and support the development specialist. Up to 12 country specialists (local consultants, intermittent up to 30 months) will assist and support the implementation of pilot initiatives in selected FCAS. The consultants will be recruited as individuals through individual consulting services by ADB according to its Guidelines on the Use of Consultants (April 2010, as amended from time to time). The focal point will submit TA progress reports together with other reports to the steering committee.

- Procurement: Any assets required will be procured using ADB Procurement Guidelines (2010, as amended from time to time) and upon completion of the project, they will remain the property of ADB.

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Pacific Department  
Urban, Social Development & Public Management Division, PARD

#### **H. Innovative Data Collection Methods for Agricultural and Rural Statistics**

**TA No.** : 8369  
**Project No.** : 46399-001  
**Amount (US \$ million)** : 2  
**Executing Agencies** : Asian Development Bank  
**Sector** : Agriculture and natural resources

*Status:* Board approved on 20 May 2013

*Description:* The technical assistance (TA) was conceptualized to promote the use of satellite-based technology in formulating and monitoring food security policies. It will be implemented in four pilot countries the Lao PDR, the Philippines, Thailand and Viet Nam where the agriculture sector's contribution to the economy and employment remain significant. For each pilot country, the government agency with the mandate for compiling agriculture statistics will be designated the implementing agency and will be responsible for the execution of the TAs three major activities: (i) development of customized software applications and methodology to estimate paddy rice cultivation area and crop production based on satellite data and data obtained through crop-cutting experiments at a provincial level, (ii) training of counterpart staff in the four pilot countries, and (iii) development of an online training program on the use of satellite data for agricultural and rural statistics. The TA will be implemented by ADB and will be financed on a grant basis by the Japan Fund for Poverty Reduction (JFPR). The Japan Aerospace Exploration Agency (JAXA) will be ADB's technical adviser and development partner organization.

*Project Rationale and Linkage to Country/Regional Strategy:* Timely and reliable statistics are imperative for mitigating food security issues and for planning government interventions in the agriculture sector. Rice crop area and production estimates are usually compiled through either administrative reporting systems or household surveys. While administrative reporting system is inexpensive, the approach is also prone to large measurement errors and is usually biased, unreliable and overestimated. Whereas household surveys, though it can provide better estimates if objectively designed and conducted, require large budget allocation and usually take longer time to process and analyze. More often, the results are not available in time for government planning. Alternative methods such as advances in satellite based technology will be explored in this TA to help countries adopt better approaches in estimating rice crop area and production, and consequently develop better evidence-based policy making. With more timely and reliable data from remote sensing and other similar tools, timely and reliable estimates of rice crop area and production will be available for policy makers and government agencies for planning suitable interventions for food security.

*Impact:* More evidence-based policies and programs on food security

*Outcome:* Improved quality and timeliness of rice crop area and production estimates forecasts

*Outputs:*

1. Customized software applications on analyzing satellite imagery and similar tools provided to Lao PDR, Philippines, Thailand, and Viet Nam.

2. Selected staff in Lao PDR, Philippines, Thailand, and Viet Nam are able to use (output 1) as inputs in rice crop estimation and forecasting methods.
3. Online training program on the use of satellite imagery and similar tools for agricultural and rural statistics provided for open access.

#### Business Opportunities

- **Consulting Services:** The technical assistance (TA) will require 96 person-months of consulting services (32 person-months international and 64 person-months national) to implement the TA components in the four pilot countries. All consultants will be engaged by ADB in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). A consulting firm will be engaged to provide the services of a team of international consultants consisting of a team leader/systems architecture specialists (5 person-months), systems architecture specialist (8 person-months), and two remote sensing specialists (1 for 5 person-months, 1 for 8 person-months). For the selection of a main consulting firm, the quality- and cost-based selection (90:10) method will be used because of the highly-specialized skill requirements and experience to achieve expected outputs, and the firm will be required to submit bio-data technical proposals. In addition, international individual consultants will be engaged-one training program specialist for 4 person-months and an agricultural statistician for two person-months. National remote sensing specialists in the four pilot countries will also be engaged for 4 person-months each. Two national consultants assigned in ADB headquarters will also be engaged for 24 person-months respectively to assist the ADB project team in coordinating the project, in organizing the training programs and workshops and in resolving and documenting technical issues. The consultants will work under the overall supervision of ADB project team with the technical support of JAXA.
- **Procurement:** The procurement of equipment will follow ADB's Procurement Guidelines (2010, as amended from time to time). At the end of the TA, equipment purchased through the shopping method under the TA will be assigned to the concerned implementing agencies.

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Economics and Research Department  
Development Indicators and Policy Research Division

## **TONGA**

### **Implementing Strategic Economic Management**

**TA No.** : 7959  
**Project No.** : 45270-001  
**Amount (US \$ million)** : 0.675  
**Executing Agencies** : **Ministry of Finance and National Planning**  
Mr. Tiofilusi Tiueti, Secretary of Finance and National Planning

**Sector** : **Public sector management**

*Status:* Board approved on 20 June 2013

*Description:* The focus of the technical assistance (TA) project, which is to support the Tongan Government's efforts to sustain momentum of its economic management reforms, is consistent with the aims of the Tonga Strategic Development Plan (TSDP) and ADB's Pacific Approach 2010-2014. The TA builds on achievements under TA 7475-TON Support for Economic and Strategic Management, which is scheduled for completion on 31 December 2011. A TA fact finding mission visited Tonga from 22-26 August 2011 and reached an understanding with the Government and other stakeholders on the impact,

outcome, outputs, implementation arrangements, cost, financing arrangements, and terms of reference for consulting services.

*Project Rationale and Linkage to Country/Regional Strategy.* The Tongan economy contracted by 1.4% in FY2010 owing to domestic banking consolidation, weak export and tourism receipts due to the global economic crisis (GEC), and slow recovery in major remittance source economies such as the United States and New Zealand. Remittances, typically equivalent to 30% of gross domestic product (GDP), fell to 22% of GDP in FY2010 and are unlikely to return to pre-FY2009 levels in the medium term. GDP growth is estimated to rebound to 1.4% in FY2011 on the back of stronger tourism activity and an expansionary fiscal policy financed by development partner funds and previously contracted loans. However, risks to this outlook are weighted on the downside and relate to rising inflation, weak global demand, and Tonga's high public debt. The International Monetary Fund expects growth to remain at around 1.7% over the medium term in line with the average of the past 15 years but slightly above the average of the past 10 years. This medium-term outlook, however, assumes implementation of the government's plans, including stepped up donor-financed capital spending, structural reform, and improved fiscal management to support fiscal consolidation. According to the 2010 Public Expenditure and Financial Accountability (PEFA) assessment, the Tongan public financial management system is, overall, operating at average or above average levels when compared to international best practice. However, some areas are worthy of continued attention, especially in light of the difficult fiscal situation that the Government is facing over the medium term. Tonga, already at high risk of debt distress, requires on-going budget support grants to fund its development priorities, whilst at the same time achieving fiscal consolidation through lower fiscal deficits and no additional borrowing. The areas requiring continued attention include maintaining budget credibility, the need to embed multi-year perspectives in budgeting, and presenting the budgetary impacts of policy changes (a symptom of weak planning budget links). ADB approved TA 7475-TON in December 2009 for \$500,000, funded by the Japan Fund for Poverty Reduction to assist government achieve: (i) regular monitoring and reporting on progress of the TSDP, (ii) use of a GDP and revenue forecasting model, (iii) robust and timely economic policy analysis and proposals, (iv) a medium term budgeting framework (MTBF) that is strategically aligned and used, and (v) improved policy coordination. A subsequent change in scope dropped work on output (ii) so as to direct additional resources to output (iv), reflecting Government commitment to bring forward the establishment of the MTBF through the preparation of an in-depth scoping report. All outputs have been fully achieved. The report contains 48 detailed recommendations that have been endorsed by the Government and which will assist it to develop a framework for implementing a sustainable medium-term budgeting system over the two year period of the TA (2012 and 2013).

*Impact:* Enhanced resource allocation to improve rates of economic growth and achieve national development priorities

*Outcome:* Improved economic management processes adopted by the Ministry of Finance and National Planning (MFNP).

*Outputs:*

1. A strategically aligned Medium Term Budget Framework (MTBF)
2. A strategically aligned MTBF that is used by whole of Government.
3. A strengthened GDP and revenue forecasting model.

Business Opportunities

- Consulting Services: Medium Term Budget Specialist / Team Leader (International, 8 person-months, intermittent) The medium term budget (MTB) specialist and team leader will have a strong background in expenditure management, especially performance-based budgeting; capacity building and training; and project and/or program development and management. The specialist should have at least 10 years of experience providing such advice to a variety of Pacific governments and societies, including having demonstrated strong political, negotiation, and process facilitation skills, and should hold a tertiary degree, preferably a Master's degree or PhD,

in finance, economics, or a related field. This consultant should have excellent communication skills, both written and verbal, and be skilled in the use of consultative and participatory processes. Economic Modeling Specialist (International, 3 person-months, full time) - The person will have a background appropriate to undertaking the tasks set out below, with at least 10 years practical experience in economic modeling and significant experience specific to technical assistance in small island states and should hold an advanced degree, preferably a Master's degree in economics, finance or a related field. The specialist will: (i) coordinate closely with the Medium Term Budget Specialist/Team Leader on the macroeconomic framework needed to underpin the MTBF; (ii) work closely with the PFTAC Macroeconomic Advisor to evaluate and customize the current GDP and revenue forecasting model; (iii) based on the outcomes of the above work, establish a new model in MFNP (to be located in Policy and Planning, and the Statistics Department); Budget Adviser (National, 12 person-months, intermittent) - The person will have a background appropriate to undertaking the tasks set out below, with at least 10 years practical experience in budget management and significant experience specific to small island states and should hold a tertiary degree, preferably a bachelor's degree in economics, finance or a related field. The Budget Adviser will: (i) coordinate closely with the Medium Term Budget Specialist/Team Leader on the overall MTB work; (ii) assist with the development and implementation of a strategically aligned MTBF; (iii) assist MFNP and line ministries with the alignment of annual budget provisions to the medium-term envelopes set out in the MTBF; (iv) assist MFNP in incorporating policy directives and other Ministerial initiatives in the budget; Policy Advisors (International, 9 person-months, full time). This is reserved to respond to needs emerging during TA implementation, and may encompass skills in macroeconomic and fiscal policy, public financial management and corporate planning. An inception report will be prepared for ADB and the Government by the team leader within 8 weeks of the start of field activities. Mission progress reports will be submitted throughout the TA, and a draft final report completed by October 2013. The final report is to be submitted within 2 weeks of the incorporation of comments from ADB and the Government on the draft final report.

- Procurement: The technical assistance (TA) will require the services of a team of international and national consultants in medium term budgeting, economic modeling, and macroeconomic management. The consultants will assist the Ministry of Finance and National Planning (MFNP) to develop and implement a Medium Term Budget Framework (MTBF) that is designed to improve macroeconomic stability, as well as a GDP and revenue forecasting model that will strengthen the data and information underpinning strategic economic management in Tonga.

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Pacific Department  
Pacific Subregional Office in Suva, Fiji

## TUVALU

### Institutional Strengthening of the Ministry of Finance and Economic Development

**TA No.** : 8100  
**Project No.** : 46108-001  
**Amount (US \$ million)** : 0.39  
**Executing Agencies** : Ministry of Finance and Economic Planning  
**Sector** : Public sector management

*Status:* Board approved on 20 May 2013

*Description:* The proposed technical assistance (TA) will directly respond to the government's strategic area of good governance identified in its national development strategy (Te Kakeega II) where it gives priority to the strengthening of public administration oversight, institutionalization of sound management

and principles and practices in the public service and reduce subsidies to PE through improved management, operations and business planning. ADB's Country Partnership Strategy (CPS 2002-2012) also focus on these areas as poor expenditure allocation decisions have significant opportunity costs that impede development and growth in a micro-economy such as Tuvalu. For this reason, the CPS focuses on effective fiscal management, which can make the greatest contribution to meeting Government priorities.

*Project Rationale and Linkage to Country/Regional Strategy:* The PEFA assessment and the diagnostic analysis of MFED had identified weaknesses that need improvement if budget credibility and resource allocation issues are to be resolved. PFTAC will help with the PFM plan while AusAID has provided assistance to the Audit and Treasury department. Improvements made in the Auditor General's office and the Treasury Department cannot be sustained if broader problems identified within MFED are not resolved. The proposed TA will complement these ongoing reforms in the Audit and Treasury Department. The proposed TA will build upon the success of TA 7161-TUV, which helped establish the PE Act and policies to improve the performance of PEs. The proposed TA will strengthen the capacity of stakeholders to implement the PE Act to better monitor the performance of the PEs.

*Impact:* Improved public financial management (PFM) and public enterprises (PE) performance

*Outcome:* Improved internal corporate planning processes in the Planning and Budget Department (PBD) and strengthened PE oversight.

*Outputs:*

- Improved human resource reform in the PBD
- Capacity development plan for PERMU fully implemented.

Business Opportunities

- **Consulting Services:** The MFED will be the executing agency, and will appoint a TA focal point who will oversee the activities of, and maintain information exchange with, the consultant team. The consultants will, with the TA focal point, also liaise with development partners to promote coordination and complementarity in program and/or project activities. To promote sustainability and broad-based commitment to the direction of reforms and guide TA implementation, the TA will make use of the steering committee formed under ADB's TA on Capacity Development for Public Financial Management comprising officials from the MFED, line ministries, and representatives from nongovernment organizations and the private sector and chaired by the secretary of finance. The TA will be implemented over a 12-month period from 1 August 2012 to 30 July 2013 and will finance 12.5 person-months of intermittent international consulting services and 5 person-months of national consulting services. The international consultant's team will comprise: (i) a team leader and strategic planning and human resource management specialist (international, 6 person-months); (ii) a public enterprise specialist (international, 3.5 person-months); and (iii) a procurement specialist (international, 3 person-months). These specialists will be joined by a local project facilitation specialist (national, 5 person-months intermittent). The consultants will be selected and engaged on an individual basis and according to ADB Guidelines on the Use of Consultants (2010, as amended from time to time). The proceeds of the TA will be disbursed in accordance with the Technical Assistance Disbursement Handbook (2010, as amended from time to time). The team leader will produce a concise inception report outlining the work program and milestones for the duration of the TA, and a final report summarizing the achievements, issues, lessons learned, and next steps. Throughout the TA, the team leader will submit (by email) brief monthly progress reports summarizing TA activities, progress, issues, and constraints. Team members will produce reports on their respective activities for the team leader's progress and final reports. The team leader's final report will be submitted in draft form at least 5 weeks prior to the end of the assignment, and the final report within 2 weeks of receipt of comments by the government and ADB. Progress of the TA will be monitored using intended outcomes and outputs described in the design and monitoring framework. ADB will assist the

government in sharing all reports with other development partners. These will be disseminated through meetings, radio interviews, and the ADB website.

- **Procurement:** The technical assistance (TA) consultants will review existing government rules and practices for procurement of goods, works, and services by the public sector and build into the PTB Regulations (2008 revised edition) a set of procedures for this. The set of procedures should: (i) ensure that open competitive procurement is the default method of procurement, but define clearly the situations in which other methods may be used and how this is to be justified; (ii) provide for public access to all government procurement plans, bidding opportunities, and contract awards; and (iii) provide for an independent administrative procurement review process for handling complaints by participants prior to contract signing and ensuring that those making procurement decisions are accountable for them. The consultants will also identify the merits of various options, including the engagement of an independent third party to manage government procurement and having a central procurement unit for a small administration such as Tuvalu.

*Responsible ADB Officer:* Malie Lototele (E-mail: [mlototele@adb.org](mailto:mlototele@adb.org))  
Pacific Department  
Pacific Subregional Office in Suva, Fiji

## VIETNAM

### A. Strengthening Microfinance Sector Operations and Supervision

**Project No.** : 46482-001 (Proposed)  
**Amount (US \$ million)** : To be determined  
**Executing Agencies** : State Bank of Vietnam  
**Sector** : Finance

*Status:* Board Approval on 21 June 2013

*Impact:* Deepened financial inclusion through enhanced MFI operations

*Outcome:* Enhanced operational and supervisory capacity in microfinance

*Outputs:*

- Provided training to MFIs, CCF/PCFs, and VBSP
- Provided training to SBV, MOF and MPI supervisors
- Established a network of formal microfinance training
- Conducted knowledge sharing opportunities overseas

#### Business Opportunities

- **Consulting Services:** The technical assistance (TA) will provide 18 person-months of international consulting services and 27 person-months of national consulting services. The consultants will work on an intermittent basis and engaged in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). Disbursements under the TA will be made in accordance with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time).
- **Procurement:** Equipment will be procured in accordance with ADB's Procurement Guidelines (2010, as amended from time to time).

*Responsible ADB Officer:* Eiichi Sasaki (E-mail: [esasaki@adb.org](mailto:esasaki@adb.org))  
Southeast Asia Department  
Public Management, Financial Sector and Trade Division, SERD

**B. Strengthening Support for State-Owned Enterprise Reform and Corporate Governance Facilitation Program**

**Project No.** : 39538-036 (Proposed)  
**Amount (US \$ million)** : 0.8  
**Sector** : Public sector management

*Status:* Board Approval on 19 June 2013

*Impact:* Improved profitability of restructured SOEs and management of state managed investments.

*Outcome:* Improved capacity of MOF to ensure that selected SOEs are transformed into financially viable and efficiently managed enterprises.

*Outputs:*

1. Support MOF in conducting due diligence of selected SOEs
2. Finalizing the restructuring and implementation plans of selected SOEs
3. Developing Knowledge products for future SOE reforms in Vietnam

Business Opportunities

- Consulting Services: 1. International Consultants a. State-Owned Enterprise Reform and Corporate Governance Specialist Team Leader (international, 5 person-months, intermittent) b. Corporate Restructuring Specialist (international, 4.5 person-months, intermittent) c. Financial Restructuring Specialist (international, 4.5 person-months, intermittent) d. SOE Legal and Regulatory Expert (international, 2 person-months, intermittent) e. Social Safeguard Specialist (international, 2.5 person-months, intermittent)  
2. National Consultants a. SOE Reform and Corporate Restructuring Specialist (national, 12 person-months, intermittent) b. Financial Specialist (national, 12 person-months, intermittent) c. SOE Legal and Regulatory Expert (national, 6 person-months, intermittent) d. Poverty and Social Development Specialist (national, 3 person-months, intermittent) e. Gender Specialist (national, 2 person-months, intermittent) f. Social Safeguard Specialist (national, 2.5 person-months, intermittent) g. Translator and Editor (national, 5 person-months, intermittent)
- Procurement: To be determined

*Responsible ADB Officer:* Prasanna Kumar Jena (E-mail: [pjena@adb.org](mailto:pjena@adb.org))  
Southeast Asia Department  
Public Management, Financial Sector and Trade Division, SERD

#### IV. GRANT

##### AFGHANISTAN

###### Rehabilitation of Bamian-Yakawlang Road

**Project No.** : 39467-012 (Proposed)  
**Executing Agencies** : Ministry of Public Works  
Eng. Marzia Sulimankhel

**Sector** : Transport and ICT

Project details and status to be determined by ADB

###### Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

*Responsible ADB Officer:* Prianka Seneviratne (E-mail: [pseneviratne@adb.org](mailto:pseneviratne@adb.org))  
Central and West Asia Department  
Transport and Communications Division, CWRD

##### MYANMAR

###### GMS Capacity Building for HIV/AIDs Project (Strengthened National Response to HIV and AIDS in Myanmar)

**Project No.** : 46490-001 (Proposed)  
**Amount (US \$ million)** : 5.5  
**Executing Agencies** : Ministry of Infrastructure  
**Sector** : Health

*Status:* Management Review Meeting scheduled on 9 May 2013

*Impact:* Contributed to achieving and sustaining the MDG to have halted and begun to reverse the spread of HIV/AIDS in Myanmar

*Outcome:* Increased coverage and quality of services for targeted populations along and near the economic corridors

###### *Outputs:*

- Improved planning and management capacity at national, provincial, district and township levels
- Improved access to HIV and STI services among migrant and mobile populations and high-risk groups
- Strengthened community-based program for HIV risk reduction for key affected populations
- Monitoring and evaluation and project management

###### Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

*Responsible ADB Officer:* Emiko Masaki (E-mail: [emasaki@adb.org](mailto:emasaki@adb.org))  
Southeast Asia Department  
Human and Social Development Division, SERD

## REGIONAL

### Greater Mekong Subregion: Livelihood Support for Corridor Towns

**Project No. :** 46074-001  
**Amount (US \$ million) :** To be determined  
**Executing Agencies :** Ministry of Public Works and Transport  
Provincial People's Committee of Quang Tri Province

**Sector :** Multisector

*Status:* Board Approval on 21 May 2013

*Description:* Poverty in the Greater Mekong Subregion (GMS) is still substantial in Cambodia, Lao People's Democratic Republic (Lao PDR), and Viet Nam, where its regional incidence ranges from 9% to 34% of the population. Poverty in Cambodia is wide spread with approximately 30% of the rural population living below the poverty line. From 1992 to 2007, the overall national poverty incidence in Cambodia declined to about 36%, which is still a high value by regional comparison (i.e., Viet Nam's fell to 20% and Thailand's 12%). The distribution of poverty varies considerably in Cambodia, from less than 15% in the capital city to well over 45% in the northern and northeastern provinces and in the vicinity of Tonle Sap. In Battambang, the poverty incidence in 2009 was at 18%, slightly higher than in Phnom Penh (15%) but lower than the approximate national poverty incidence of 36%. Urban poverty also differs from rural poverty because the reference values in cost of living differ between urban and rural areas. Poverty in Lao PDR is still widespread with an estimated 34% of the population living under the poverty line and a large proportion of the population at risk of sliding back into poverty. In the Savannakhet Province where Kaysone Phomvihane is situated, the reported poverty incidence is at 43%, higher than the national rate. Kaysone Phomvihane is also listed among the poorest districts in the Savannakhet Province. Poverty is predominantly rural, with high concentrations in the remote and mountainous northeastern and eastern borders with Viet Nam, and, therefore, has a strong ethnic character. Viet Nam's progress towards reducing poverty has been impressive with the poverty incidence declining from 58% in 1993 to 10.6% in 2010. Urban poverty in Viet Nam fell from about 25% in 1993 to 4% in 2006. Rural poverty in the same period declined from 66% to 22%. However, while reductions in urban poverty in Ha Noi and Ho Chi Minh City tend to skew national averages, cities outside the major growth corridors, including those in the central provinces (Dak Lak, Pleiku, etc.), the Mekong Delta (Kien Giang, Soc Trang, etc.), the northern border (Cao Bang, Lao Cai, etc.), and the central coast (Hue, Quang Tri) still have relatively high urban poverty rates. In Dong Ha City, poverty incidence in 2010 is at 8%, higher than the national urban poverty incidence of 4%, and slightly lower than the overall poverty incidence of 10.6% in the same year. The proposed project is a pilot poverty-reduction project in the GMS using a market development approach intended to compliment the urban infrastructure investments under the three loan projects. Trade, traffic, tourism, and people flow are perceived to significantly increase in the East-West Economic Corridor (EWEC) and Southern Economic Corridor (SEC) because of the infrastructure investments under the three loan projects; the project aims to capitalize on these developments by helping poor informal traders enhance their locally-produced products and provide aesthetically attractive, environmentally sound, socially inclusive, and gender-responsive trade centers to market these products.

*Impact:* Increased income among beneficiaries in the selected corridor towns (which are part of the GMS Corridor Towns Development Project) in the three project countries.

*Outcome:* Increased local employment for poor households

*Outputs:*

1. Construction of small markets (trade centers) in three project towns completed
2. Microfinance support for market vendors in three project towns
3. Training and awareness campaigns completed
4. Project management, monitoring and audit services established

#### Business Opportunities

- Procurement: To be determined
- Consulting Services: Project Management

Website:

[https://uxdmz06.adb.org/OA\\_HTML/adb/xxcrs/jsp/ADBCmsCsrnDerHomepage.jsp?csrKey=CC70E0395B95B6339B251FB84F2DB12AF1F7A44829E2861C93F8DBA79D4A9B8B](https://uxdmz06.adb.org/OA_HTML/adb/xxcrs/jsp/ADBCmsCsrnDerHomepage.jsp?csrKey=CC70E0395B95B6339B251FB84F2DB12AF1F7A44829E2861C93F8DBA79D4A9B8B)

*Responsible ADB Officer:* Florian M. Steinberg (E-mail: [ajeffries@adb.org](mailto:ajeffries@adb.org))  
Southeast Asia Department  
Urban Development and Water Division, SERD

## TAJIKISTAN

### Access to Green Finance Project

**Project No.** : 45229-001  
**Amount (US \$ million)** : 10  
**Executing Agencies** : Ministry of Finance  
Nailya Menlasheva, PMU Head

**Sector** : Energy

*Status:* Board Approval on 25 June 2013

*Description:* The project will leverage Tajikistan's sound microfinance system to provide credit for households and microenterprises for energy efficient and environment-friendly homes. The grant will comprise project implementation support of \$1.2 million and \$8.8 million for 5-year, local currency denominated credit lines to selected microfinance institutions (MFIs). The interest rate on the credit lines will be the NBT refinancing rate, reset annually. An additional technical assistance (TA) grant of \$750,000, provided by the Japan Fund for Poverty Reduction (JFPR), will build the capacity of MFIs and the project management unit (PMU) to facilitate efficient green finance intermediation and promote energy efficiency in the country, particularly for rural households and women.

*Project Rationale and Linkage to Country/Regional Strategy:* Energy challenges coupled with inefficient energy environment. Tajikistan depends on hydroelectric sources for 98% of its electricity needs. In summer, when demand is low but glacial melt is high, there is an electricity surplus. In winter, since rivers freeze, hydroelectric power generation declines by 50%. This results in power outages of up to 18-20 hours per day during winter in grid-connected areas. The situation is worse for the 24,000 households located in remote off-grid areas. Over 73% of the population lives in rural areas and spends much of the winter with limited electricity, with lighting and heating in short supply. In addition, more than 50% (over 500,000 households) of the country's housing units were built in the 1960-1970s. Many of these homes are in rural areas, and their residents include a large number of the 46.7% of families who live below the poverty line. These homes need improvements to increase energy efficiency and reduce household spending on fossil fuels. The problem of energy poverty is complicated by inefficient energy transmission, consumption, and inadequate household understanding about how to use energy in cost-

effective, environmentally friendly ways. The United Nations Development Programme (UNDP) estimates that the country's total energy bill was about \$1 billion in 2008, which amounted to 20% of the country's gross domestic product that year. This leaves insufficient energy for other productive investment activities, limiting economic growth potential. Rural households depend on fossil and solid fuels such as kerosene, diesel, gasoline, firewood, coal, and manure for their energy needs. Women in these households spend a significant amount of time gathering firewood. Use of these fuels exposes families to health hazards caused by indoor air pollution. Families are unaware of available options to lower energy costs and improve household living conditions.

*Pilot interventions by other donors.* To tackle some of these challenges, German development cooperation through GIZ and Habitat for Humanity, have undertaken pilot projects. The Warm Comfort program implemented by GIZ has installed thermal insulation and energy efficient solutions in about 200 households in the Gorno-Badakshan region, and plans to scale up. In this program, home improvement solutions for energy efficiency were manufactured and supplied by local cooperatives. The Habitat for Humanity program for home energy efficiency improvements collaborates with two MFIs--IMON and Arvand--for household loans to cover costs for energy efficient roofing and other carpentry works (doors, windows, flooring). The program has so far reached over 6,000 households since 2011. Key lessons learned from both projects are that: (i) home improvements reduce heating requirements up to 40%, resulting to energy savings; (ii) strengthening public awareness of energy efficiency and better energy consumption patterns are necessary; and (iii) MFIs' credit assessment capacity for home improvement loan clients must be strengthened. Both pilot projects cannot expand due to lack of funds, particularly in local currency. Need to upscale and expand pilot interventions. Although small-scale interventions have been initiated by these donors, more than 50% of the country's households are still in need of home improvements for energy efficiency or off-grid clean power generation. A larger-scale intervention with a focus on energy efficiency and environment-friendly solutions--smart green energy solutions (SGES)--can help address the energy challenges that Tajikistan faces. The proposed project will engage the country's microfinance system to provide affordable credit for SGES. SGES can decrease energy consumption by 15% - 50%, enabling these households to consume less fossil fuel. A household survey commissioned by the Asian Development Bank (ADB) also indicated potential demand for solar SGES, with 48% of households expressing interest in acquiring a solar SGES. Some 91% of these households indicated that they would borrow to purchase solar SGES if loans were available.

*Provision of better financial access to smart green energy solutions.* The project will address the two key barriers limiting effective demand: lack of affordable financing, and insufficient buyer and lender awareness about SGES. The project will provide loans through selected MFIs to households and micro entrepreneurs to purchase and install affordable SGES. Innovative promotion and delivery mechanisms will be used to help make SGES widely acceptable and affordable to low-income households. The project will improve understanding about SGES by increasing public awareness and by providing TA to MFIs. The MFI support will include capacity building and technical advice to MFIs and their clients from SGES experts and engineers who will complete needs assessments, discuss options with clients, and advise on structuring of SGES loans.

*Impact:* Increased energy efficiency Tajik households

*Outcome:* Increased access to finance for SGES in Tajikistan

*Outputs:*

1. Increased outreach by MFIs for green finance, particularly to women borrowers.
2. Increased public awareness of energy efficiency
3. Increased usage of SGES most helpful to women, such as energy-efficient cooking stoves, heating units, and solar water heaters
4. Increased private sector participation

### Business Opportunities

- *Consulting Services:* The MOF will recruit 14 individual consultants to staff the PMU. These consultants are: Deputy Head of PMU, Assistant to PMU Head/Office Manager/Translator, Legal Counsel, Monitoring and Evaluation Specialist, Budget, Finance & Credit Manager, Disbursement Specialist, Smart Green Energy Solution Specialist, Organizer/Public Awareness Campaign/Communication Specialist, Due Diligence Specialist, Gender and Social Development Specialist, 2 Office Cleaners, and 2 Drivers. All of the consultants except for the Legal Counsel, monitoring and evaluation, SGES and due diligence specialists, and Office Cleaners will be hired on a full-time basis. Under the JFPR TA, ADB will select a team of individual consultants or a firm to provide a total of 85 person-months of consultancy (66 person-months for national consultants and 19 person-months for international consultants) over the 5-year project implementation period. All consultants will be selected in accordance with the Guidelines on the Use of Consultants by Asian Development Bank and Its Borrowers (2010, as amended from time to time), <http://www.adb.org/documents/guidelines-use-consultants-asian-development-bank-and-its-borrowers>.
- *Procurement:* The project's credit lines of \$8.8 million (equivalent in Tajik somoni) will be used by rural households (subborrowers) to acquire SGES. Subborrowers may select any supplier of SGES; MFIs may provide subborrowers with a list of potential suppliers. The PMU is expected to acquire 2 vehicles and office equipment and supplies during the first 18 months of the project's implementation period. These goods will be acquired under the Shopping procurement method described in para. 3.5 of ADB's Procurement Guidelines (2010), <http://www.adb.org/sites/default/files/Guidelines-Procurement.pdf>. Under the Shopping method, the PMU will obtain a minimum of three price quotations.

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Central and West Asia Department  
Public Management, Financial Sector and Trade Division, CWRD

## **TIMOR-LESTE**

### **District Capital Power Distribution Project**

**Project No.** : 44137-022 (Proposed)  
**Amount (US \$ million)** : 5.5  
**Executing Agencies** : Ministry of Infrastructure  
**Sector** : Energy

*Status:* Management Review Meeting scheduled on 16 September 2011

*Description:* The proposed District Capital Power Distribution Project (the Project) will assist the state-owned power utility, Electricidade de Timor-Leste (EdTL), to rehabilitate existing power distribution infrastructure in five or six district capitals in Timor-Leste. The Project will improve the efficiency, reliability and safety of modern energy services by rehabilitating medium-voltage (MV) and low-voltage (LV) distribution lines and transformers. The Project will upgrade customer grid connections and install prepayment power meters free of charge, thereby improving the revenue collection and commercial viability of EdTL. The Project will build EdTL's asset management capacity and train EdTL in the sustainable operation of power distribution infrastructure. The Project will also build the project implementation capacity of EdTL.

*Project Rationale and Linkage to Country/Regional Strategy.* Government has prioritized the development of high quality infrastructure as a mainstay of its vision for the country and the importance of the power sector is recognized by the Strategic Development Plan. Government has set a target of 80% electrification by 2025 and has started to address this challenge with a national electrification program. Urgent rehabilitation to improve the efficiency, reliability, and safety of existing power distribution systems is required if district capitals are to share in the full benefits of the extra power to be available as a result of this national program. Support for infrastructure has been a feature of ADB's country strategy and the energy sector has been identified as a priority sector in the most recent Country Partnership Strategy. The Project is included in the latest Country Operations Business Plan and government has welcomed ADB assistance for power distribution.

*Impact:* Increased access to energy in district capitals

*Outcome:* EdTL distributes electric power efficiently, reliably and safely in the project areas

*Outputs:*

1. The power distribution network is rehabilitated by EdTL in the project areas
2. Sustainable management of power distribution assets by EdTL
3. Customers are aware of the importance of energy conservation
4. Effective project management capacity is established in EdTL

#### Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

*Responsible ADB Officer:* Robert Kesterton (E-mail: [rkesterton@adb.org](mailto:rkesterton@adb.org))  
Pacific Department  
Transport, Energy and Natural Resources Division, PARC

## TONGA

### Outer Island Renewable Energy Project

**Project No.** : 43452-022 (Proposed)  
**Amount (US \$ million)** : 2  
**Sector** : Energy

*Status:* Management Review Meeting scheduled on 24 August 2012

*Description:* The proposed Tonga Outer Island Renewable Energy Project (the Project) will construct grid-connected Solar Photovoltaic (PV) power plants on the outer islands of Tonga, thereby demonstrating a method for reducing the country's heavy reliance on imported fossil fuels for power generation. The Project will supply secure, environmentally sustainable energy to households, schools, and other public facilities, on the islands of 'Eua, Ha'apai, and Vava'u. The Project will quantify the solar resource and facilitate the integration of intermittent renewable energy with a conventional diesel grid. The Project will build the capacity of the power utility, Tonga Power Limited (TPL), in the operation and maintenance of renewable technologies. Customers will be made aware of the importance of energy conservation and opportunities for passing cost savings to poor households by way of a subsidized tariff will be assessed during project preparation.

*Project Rationale and Linkage to Country/Regional Strategy.* The government of Tonga set a target of reducing fossil fuel imports for power generation by 50% by 2020 and has developed an overall plan for the energy sector. The Tonga Energy Roadmap 2010-2020 outlines the improvements needed to reach

the government's 2020 target, and covers petroleum supply chain initiatives, energy efficiency, and renewable energy technologies. The Roadmap was developed in very close collaboration with development partners and has been held up at regional meetings as an example of donor coordination. This project is identified as a high priority by the Roadmap and the Roadmap Implementation Unit has requested assistance with this project from ADB. Demarcation of this project has also been enhanced through discussions with government concerning the country partnership strategy and country operations business plan.

*Impact:* Tonga's dependence on imported fossil fuel for power generation is reduced.

*Outcome:* TPL introduces the supply of clean, reliable power in the outer islands

*Outputs:*

1. TPL installs Solar PV power generating technology in the outer islands
2. Sustainable management of grid-connected renewable energy by TPL
3. Customers are aware of the importance of energy conservation
4. Effective project implementation is established and demonstrated

Business Opportunities

- Consulting Services: To be determined
- Procurement: To be determined

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Pacific Department  
Transport, Energy and Natural Resources Division, PARD

**V. IN-COUNTRY EMBASSY AND COMMERCIAL OFFICES**

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U.S. firms are encouraged to keep in contact with the **U.S. Commercial Service Liaison Office to the Asian Development Bank (CS ADB)** especially when they decide to participate in ADB procurement activities. This office works closely with the Office of the U.S. Executive Director to the ADB (USED) to increase American awareness of, and participation in, the ADB's procurement activities.

For CS ADB assistance, please contact: Ms. Margaret Keshishian, Director (E-mail: [Margaret.Keshishian@trade.gov](mailto:Margaret.Keshishian@trade.gov))

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Attention: CS/ADB  
Unit 8600, Box 1565  
DPO AP 96515-1565,

or international mailing address:

U.S. Embassy – NOX 2  
1201 Roxas Boulevard,  
Ermita, Manila 1000  
Philippines  
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E-mail: [Office.ManilaADB@trade.gov](mailto:Office.ManilaADB@trade.gov)

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