



Asian Development Bank Liaison Office INTERNATIONAL MARKET INSIGHTS

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ASIA & PACIFIC: INTERNATIONAL MARKET INSIGHTS

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.¹ This IMI can be your firm's link to these opportunities.

¹ *Statement of the Asian Development Bank's Operations in 2012*

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I. PROJECT LIST BY SECTOR

Country	Projects	ADB Assistance
Note: Click on the project title for full details.		
AGRICULTURE and NATURAL RESOURCES SECTOR		
Bangladesh	Coastal Towns Infrastructure Improvement Project	Proposed loan
China	Gansu Featured Agriculture and Financial Services System Development Project	Approved TA
China	Daguhe Groundwater Rehabilitation and Protection	Approved TA
China	Jiangxi Zhelin Lake Water Resources Integrated Utilization Project	Proposed loan
China	Guangdong Chaonan Water Resources Development and Protection Demonstration Project	Proposed loan
Pakistan	Federally Administered Tribal Areas Water Resources Development Project	Approved TA
Philippines	Comprehensive Development for the Agusan River Basin	Proposed loan
EDUCATION SECTOR		
Bangladesh	Skills for Employment	Proposed loan
China	Guangxi Nanning Vocational Education Development	Proposed loan
China	Gansu Jinta Concentrated Solar Power Project	Proposed Loan
Nepal	Skills Development Project	Approved grant
Philippines	Education Improvement Sector Development Program	Proposed TA
ENERGY SECTOR		
Azerbaijan	Renewable Energy Development (Biomass Cogeneration) Project	Proposed loan
Bangladesh	Regional Power Generation and Transmission Project (formerly Energy Efficiency Improvement Project II)	Proposed loan
Bangladesh	Regional Power Generation and Transmission Project (formerly Energy Efficiency Improvement II)	Proposed TA
Bhutan	Green Power Development Project II	Proposed loan
China	Qinghai Delinha Concentrated Solar Energy Plant Project	Proposed loan
China	Low-Carbon District Heating Project in Hohhot in Inner Mongolia Autonomous Region	Approved TA
Nepal	Rural Electrification through Renewable Energy	Proposed loan
Nepal	South Asia Subregional Economic Cooperation Power System Expansion Project	Approved TA
Pakistan	Power Sector Rehabilitation Project	Proposed loan
Timor-Leste	District Capital Power Distribution Project	Proposed grant
Turkmenistan	Zerger Regional Power Generation Project	Proposed loan
Uzbekistan	Takhiatash Power Plant Efficiency Improvement Project	Proposed loan
ENVIRONMENT SECTOR		
Bangladesh	Khilkhet Water Treatment Plant Project	Proposed loan
Bangladesh	Khilkhet Water Treatment Plant Project	Proposed loan
Bangladesh	Coastal Towns Infrastructure Improvement Project	Proposed loan
Cambodia	Urban Water Supply and Sanitation (formerly Rural Water Supply and Sanitation Project III)	Proposed loan
China	Yunnan Chuxiong Urban Environment Improvement Project	Proposed loan
China	Anhui Huainan Urban Water Systems Integrated Rehabilitation Project	Proposed loan
China	Hubei Huanggang Integrated Urban Environment Improvement Project	Proposed loan
China	Guangxi Baise Integrated Urban Environment Rehabilitation	Proposed loan
India	Delhi Water Supply Improvement Investment Program	Approved TA
Philippines	Solid Waste Management Sector Project	Proposed loan
Philippines	Urban Water Supply and Sanitation Project	Proposed loan
Philippines	Angat Water Transmission Improvement Project	Proposed loan
Philippines	Climate Resilience and Green Growth in Critical Watersheds	Proposed TA
Philippines	Water District Development Sector Project - TA	Proposed TA

Country	Projects	ADB Assistance
Note: Click on the project title for full details.		
HEALTH SECTOR		
Bhutan	Piloting the Design of e-Services Delivery Platform in Health Services	Approved TA
Myanmar	GMS Capacity Building for HIV/AIDs Project (Strengthened National Response to HIV and AIDS in Myanmar)	Proposed Grant
INDUSTRY, FINANCE, and OTHER SECTORS		
Bangladesh	Third Urban Governance and Infrastructure Improvement Project - Project Design Advance	Proposed loan
Bangladesh	Third Urban Governance and Infrastructure Improvement (Sector) Project	Proposed loan
Bangladesh	Second Public-Private Infrastructure Development Facility (PPIDF II)	Proposed loan
Bangladesh	Capacity Building for Portfolio Management	Approved TA
Bangladesh	Supporting Participation in the South Asia Subregional Economic Cooperation Trade Facilitation Program	Proposed TA
Bangladesh	Supporting Participation in the South Asia Subregional Economic Cooperation Trade Facilitation Program	Proposed TA
Bhutan	Public-Private Partnership Development Project	Approved TA
Cambodia	Eco-Compensation Mechanism and Policy Framework Study for the Xiangjiang River Watershed of the Chang-Zhu-Tan City Cluster	Proposed loan
China	Henan Value Chain and Products Safety Demonstration Project	Approved TA
China	Chongqing Urban-Rural Infrastructure Development Demonstration II Project	Proposed loan
China	Xinjiang Tacheng Border Cities and Counties Development Project	Proposed loan
China	Meghalaya Public Management Reform Program	Proposed loan
India	Catalyzing Sustainable Finance Facility	Proposed loan
India	Punjab Development Finance Program	Proposed loan
India	Supporting Human Capital Development in Meghalaya	Proposed loan
Pakistan	Punjab Millennium Development Goals Program - Subprogram 3	Proposed loan
Philippines	Community-Driven Development Support Project	Proposed loan
Philippines	PFM 3 [previously Governance and Public Financial Management Phase I (Cluster TA)]	Proposed TA
Philippines	Second Road Improvement & Institutional Development Project	Proposed TA
Regional	Greater Mekong Subregion Phnom Penh Plan for Development Management Phase V	Approved TA
Regional	Promoting Regional Knowledge Sharing Partnerships	Approved TA
Regional	Second Greater Mekong Subregion Corridor Towns Development Project	Approved TA
Regional	Trade Facilitation in South Asia	Approved TA
Regional	Improving the Implementation of Environmental Safeguards in Central and West Asia	Approved TA
Regional	Greater Mekong Subregion Phnom Penh Plan for Development Management Phase V	Approved TA
Tajikistan	Building Climate Resilience in the Pyanj River Basin	Approved grant
TRANSPORTATION and COMMUNICATIONS SECTOR		
Bangladesh	Subregional Railway Connectivity: Akhaura-Laksam Double Track Project	Proposed loan
Bangladesh	Subregional Railway Connectivity: Akhaura-Laksam Double Track Project	Proposed loan
Bhutan	SASEC Road Connectivity Project (formerly Road Network Project II (Additional Financing))	Proposed loan
China	Jiangxi Ji'an Sustainable Urban Transport Project	Proposed loan
China	Yuxi-Mohan Subregional Railway Link Project	Proposed loan
China	Yunnan Sustainable Road Maintenance Project	Proposed loan
China	Yunnan Pu'er Regional Integrated Road Network Development Project	Proposed loan
China	Anhui Intermodal Sustainable Transport Development Project	Proposed loan
China	Inner Mongolia Road Development Project	Proposed loan
Georgia	Secondary Road Improvement Project	Approved TA
India	Uttar Pradesh Major District Road Investment Program	Approved TA
India	West Bengal North-South Corridor Project (formerly West Bengal Haldia Port Connectivity Project)	Proposed loan

Country	Projects	ADB Assistance
Note: Click on the project title for full details.		
TRANSPORTATION and COMMUNICATIONS SECTOR		
Kyrgyz	CAREC Corridor 3 (Bishkek-Osh Road) Improvement Project, Phase 4	Proposed loan
Nepal	Bagmati River Basin Improvement Project	Proposed loan
Nepal	South Asia Subregional Economic Cooperation Road Connectivity Project	Approved loan
Pakistan	Provincial Road Improvement Project	Approved TA
Philippines	Second Road Improvement & Institutional Development Project	Proposed TA
Vietnam	Central Mekong Delta Region Connectivity Project	Proposed loan
URBAN DEVELOPMENT SECTOR		
China	Jilin Urban Services Improvement Project	Proposed loan
China	Hubei-Yichang Sustainable Urban Transport Project	Proposed loan
China	Xinjiang Integrated Urban Development	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

Responsible ADB Officer: Markus Roesner (E-mail: mroesner@adb.org)
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Transport and Communications Division, SARD

B. Dhaka Environmentally Sustainable Water Supply Project

Project No. : 42173-013 (Proposed)
Amount (US \$ million) : 250
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 9th 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)
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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)
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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)
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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 23, 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

Loan No. : 2949; 8263
TA No. : 8221
Project No. : 40540-014
Amount (US \$ million) : 198
Executing Agencies : Roads and Highways Department
Bangladesh Land Port Authority

Sector : Transport and ICT

Status: Board approved on November 22, 2012

Description: The project will: (i) upgrade about 110 kilometers (km) of Dhaka-Northwest corridor by 4-laning of the Joydebpur-Chandra-Tangail-Hatikamrul Road and (ii) improve 2 land ports at Benapole and Burimari. This trunk road section forms part of a major international road corridor. The project will also strengthen the capacity of the road sector. By increasing road capacity of a major international trade corridor and enhancing land port capacity, the project will not only boost the national economy but also facilitate subregional cooperation and increase trades.

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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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

Status: 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 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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Transport and Communications Division, SARD

H. 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: Fact-finding scheduled on December 2 – 14, 2013

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.

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

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

Project No. : 42180-013 (Proposed)
Amount (US \$ million) : 110
Executing Agencies : Ministry of Finance
Sector : Mutisector

Status: Management Review Meeting on 16 July 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

Responsible ADB Officer: Peter Marro (E-mail: pmarro@adb.org)
South Asia Department
Public Management, Financial Sector and Trade Division, SARD

J. 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).

Responsible ADB Officer: Ron H. Slangen (E-mail: rslangen@adb.org)
South Asia Department
Urban Development and Water Division, SARD

BHUTAN

A. Green Power Development Project II

Project No. : 44444-013 (Proposed)
Amount (US \$ million) : 182
Executing Agencies : Department of Energy
Sector : Multisector

Status: Management Review Meeting on 1 July 2014

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 CO₂ 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

Responsible ADB Officer: Kaoru Ogino (E-mail: kogino@adb.org)
South Asia Department
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

Responsible ADB Officer: Tsuneyuki Sakai (E-mail: tsakai@adb.org)
South Asia Department
Transport and Communications Division, SARD

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 FSDDS. 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 FSDDS 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 FSDDS. 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 FSDDS, 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 FSDDS 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

Responsible ADB Officer: Hiroyuki Aoki (E-mail: haoki@adb.org)
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

Responsible ADB Officer: Bob Finlayson (E-mail: bfinlayson@adb.org)
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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

Responsible ADB Officer: Michael E. White (E-mail: mewwhite@adb.org)
Southeast Asia Department
Urban Development and Water Division, SERD

D. Climate Resilient Rice Commercialization Sector Development Program

Loan No. : 3006, 3007
Grant No. : 0349, 0350
Project No. : 44321-013
Amount (US \$ million) : 55
Executing Agencies : Ministry of Economy and Finance
Ministry of Agriculture, Forestry & Fisheries

Sector : Multisector

Status: Board approval scheduled on June 27, 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.

Responsible ADB Officer: Bui Minh Giap (E-mail: buiqm@adb.org)
Southeast Asia Department
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

Responsible ADB Officer: Steven Lewis-Workman (E-mail: slworkman@adb.org)
East Asia Department
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

Responsible ADB Officer: Xiaoxin Chen (E-mail: xchen@adb.org)
East Asia Department
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

Responsible ADB Officer: Arnaud Heckmann (E-mail: aheckmann@adb.org)
East Asia Department
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)
East Asia Department
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

Responsible ADB Officer: Adrien Veron-Okamoto (E-mail: averon@adb.org)
East Asia Department
Transport and Communications Division, EARD

F. Yunnan Chuxiong Urban Environment Improvement Project

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

Status: Management Review Meeting scheduled on 23 September 2013

Project details yet to be released by ADB.

Business Opportunities:

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

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

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 4 July 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.

Responsible ADB Officer: Yoshiaki Kobayashi (E-mail: yoshikobayashi@adb.org)
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Environment, Natural Resources & Agriculture Division, EARD

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

Responsible ADB Officer: Qingfeng Zhang (E-mail: qingfengzhang@adb.org)
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Environment, Natural Resources & Agriculture Division, EARD

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 12th 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).

Responsible ADB Officer: Gyongshim An (E-mail: gyongshiman@adb.org)
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Urban and Social Sectors Division, EARD

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

Responsible ADB Officer: Zhou Yaozhou (E-mail: yaozhou@adb.org)
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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

Responsible ADB Officer: Steven Lewis-Workman (E-mail: slworkman@adb.org)
East Asia Department
Transport and Communications Division, EARD

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 September 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).

Responsible ADB Officer: Sharad Saxena (E-mail: ssaxena@adb.org)
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Transport and Communications Division, EARD

M. Inner Mongolia Road Development Project

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

Status: Management review meeting scheduled on 19 March 2013

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

Responsible ADB Officer: Sharad Saxena (E-mail: ssaxena@adb.org)
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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

Responsible ADB Officer: Takeshi Ueda (E-mail: taueda@adb.org)
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Environment, Natural Resources & Agriculture Division, EARD

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 1 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).

Responsible ADB Officer: Shigeru Yamamura (E-mail: syamamura@adb.org)
East Asia Department
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 Kelamayi 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 Kelamayi 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.

Responsible ADB Officer: Sangay Penjor (E-mail: spenjor@adb.org)
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Urban and Social Sectors Division, EARD

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.

Responsible ADB Officer: Satoshi Ishii (E-mail: sishii@adb.org)
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Urban and Social Sectors Division, EARD

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 18 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).

Responsible ADB Officer: Sangay Penjor (E-mail: spenjor@adb.org)
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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).

Responsible ADB Officer: Gyongshim An (E-mail: gyongshiman@adb.org)
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Urban and Social Sectors Division, EARD

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.

Responsible ADB Officer: Antonio Ressano Garcia (E-mail: aressano@adb.org)
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Urban and Social Sectors Division, EARD

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

Responsible ADB Officer: Wendy M. Walker (E-mail: wwalker@adb.org)
East Asia Department
Urban and Social Sectors Division, EARD

V. Hunan Technical and Vocational Education and Training Demonstration Project

Loan No. : 3010
Project No. : 45511-006
Amount (US \$ million) : 50
Executing Agencies : Hunan Provincial Government
Sector : Education

Status: Board approved on 28 June 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.

Responsible ADB Officer: Jazira Asanova (E-mail: jasanova@adb.org)
East Asia Department
Urban and Social Sectors Division, EARD

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

Responsible ADB Officer: Woo Lee (E-mail: wylee@adb.org)
East Asia Department
Energy Division, EARD

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, 2014

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.

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

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, 2011

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

Responsible ADB Officer: Shamit Chakravarti (E-mail: schakravarti@adb.org)
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Human and Social Development Division, SARD

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 12th Five Year Plan approach paper (2012-2017) of the Planning Commission of India, are already beyond public sector capacities alone. The 11th 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 12th 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

Responsible ADB Officer: Peter Marro (E-mail: pmarro@adb.org)
South Asia Department
Public Management, Financial Sector and Trade Division, SARD

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: Management review meeting scheduled on 15 July 2013

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 11th 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

Business Opportunities

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

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Public Management, Financial Sector and Trade Division, SARD

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: Fact-finding scheduled on November 12 - 19, 2012

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

Responsible ADB Officer: Hiranya Mukhopadhyay (E-mail: hmukhopadhyay@adb.org)
South Asia Department
Public Management, Financial Sector and Trade Division, SARD

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 August 9, 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

Responsible ADB Officer: Susan Lim (E-mail: slim@adb.org)
Central and West Asia Department
Transport and Communications Division, CWRD

NEPAL

A. Bagmati River Basin Improvement Project

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

Status: Fact-finding scheduled on April 16 – 26, 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

Responsible ADB Officer: Arnaud M. Cauchois (E-mail: acauchois@adb.org)
South Asia Department
Environment, Natural Resources & Agriculture Division, SARD

B. 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

Responsible ADB Officer: Zhang Lei (E-mail: zlei@adb.org)
South Asia Department
Energy Division, SARD

C. South Asia Subregional Economic Cooperation Road Connectivity Project

Loan No. : 3012
TA No. : 8413
Project No. : 38350-013
Amount (US \$ million) : 75.5
Executing Agencies : Ministry of Physical Infrastructure and Transport
Sector : Transport and ICT

Status: Board approved on 30 July 2013

Description: Nepal is a landlocked country. More than 70% of the area is mountainous terrain. Road transport is central to economic and social development, accounting for almost 90% of the country's passenger and freight movement. Poor road connectivity is a major constraint for Nepal. Its road density is low-14 km per 100 km² or 0.9 km per 1,000 people. The so-called strategic road network (SRN), with a total length of about 14,490 km of national and feeder roads, is the core of Nepal's roads system. It carries most of the country's road traffic and provides linkages to major economic centers and neighboring countries. This network consists of three main east-west corridors and several north-south corridors. The east-west corridors include the EWH (1,024 km). This is the main artery in the country and the one with the heaviest traffic into the Terai region. The East-West corridors also comprise: (i) postal roads running in parallel with the EWH along the Indian border to the south; and (ii) the Mid-Hill East-West Corridor (MHC), a series of feeder roads (1,700 km) that link mid-hill districts and the main centers in the hills, including Kathmandu and Pokhara. Only 6% of the MHC is paved. The government wants to improve the entire 1,700 km stretch into all-weather maintainable standard. This will connect communities and provide access to basic services. There is also a need to improve north-south linkages between EWH and MHC.

Project Rationale and Linkage to Country/Regional Strategy: The proposed project will improve connectivity in Nepal and between Nepal and its neighbors. The main investment is an alternate route in Sunsari and Saptari districts. This will create year-round passable conditions along the East-West Highway (EWH), especially across the Koshi River. The repair of three feeder roads in the hill areas will improve connectivity between villages along this road system and better access to basic services. The project comes with gender equality and social inclusion (GESI) plan, and the government staff will be trained on road maintenance, planning and project management.

Impact: Enhanced local and regional connectivity

Outcome: Improved road transport system in Nepal

Outputs:

1. Roads upgraded to all-weather standard with community participation
2. Improved capacity of MPIT in road maintenance and asset management and capacity of DOR in delivering GESI results

Business Opportunities

Consulting Services: To be determined.

Procurement: The government has promulgated the Public Procurement Act (2007) and Public Procurement Regulations (2007), both of which are generally acceptable to ADB and encompass best international procurement practices. The Public Procurement Monitoring Office has been assigned as the national procurement oversight body under the Office of the Prime Minister and Council of Ministers. The government will publish information on the project on the DOR's website, including business opportunities

associated with the project, and information on procurement of goods, works, and consulting services. E-submission of bids which has substantially increased transparency and fairness in bidding competition of in the previous ADB road project will be adopted.

Responsible ADB Officer: Witoon Tawisook (E-mail: wtawisook@adb.org)
South Asia Department
Transport and Communications Division, SARD

PAKISTAN

A. 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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Central and West Asia Department
Energy Division, CWRD

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

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

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

Responsible ADB Officer: Paulus B. van Klaveren (E-mail: pvanklaveren@adb.org)
Southeast Asia Department
Urban Development and Water Division, SERD

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 (m³) 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

Responsible ADB Officer: Paulus B. van Klaveren (E-mail: pvanklaveren@adb.org)
Southeast Asia Department
Urban Development and Water Division, SERD

D. Community-Driven Development Support Project

Project No. : 46420-002 (Proposed)
Amount (US \$ million) : 372
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 16 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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Urban Development and Water Division, SERD

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) : 200
Executing Agencies : UzbekEnergy
Sector : Multisector

Status: Proposed; management review meeting scheduled on August 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).

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Energy Division, CWRD

VIETNAM

Central Mekong Delta Region Connectivity Project

Project No. : 40255-033 (Proposed)
Amount (US \$ million) : 410
Executing Agencies : Ministry of Transport
Sector : Transport and ICT

Status: Board approved on 5 August 2013

Description: The investment project will improve connectivity in the Mekong Delta Region in Viet Nam and provide efficient access from Ho Chi Minh City to the Southern Coastal Region through construction of two cable stayed bridges across the Mekong River and associated roads: (i) Component 1: Cao Lanh Bridge (2.4 km) and approach roads (5.4 km); (ii) Component 2: Interconnecting Road (15.7 km); (iii) Component 3: Vam Cong Bridge (2.97 km) and approach roads (4.08 km); The investment project is located on the boundaries of Dong Thap province and Can Tho city. The two cable stayed bridges will be constructed to four-lane carriageway and two-lane motorcycle lane standard with total bridge width of 24.5 meters and the interconnecting road will be constructed initially to four-lane standard with a formation width of 20.6 meters; to be widened to six-lane standard in future. Associated with the investment project, ADB approved a technical assistance (TA 7822, the TA project) fully financed by the Government of Australia. This TA project was approved to meet two fundamental project needs: (i) preparing detailed designs and bidding documents for the portion of the investment project that ADB and the Government of Australia are considering financing, and (ii) ensuring the early availability of social and environmental planning documents for the investment project. The objectives of the TA project were to: (i) reduce project start-up delays and speed up implementation of the investment project; (ii) respond to the government's target for construction and commissioning of the investment project during 2013-2017; (iii) reduce the government's loan servicing cost on the ADB loan for the investment project; and (iv) include construction supervision services and capacity building support, which are critical for the successful implementation of the investment project. Detailed designs, bidding documents, and safeguards planning documents were completed and advance action approved as part of the TA project. Procurement and safeguards implementation are well advanced. The project, thus, has achieved a high level of readiness and construction activities are expected to start immediately after loan and grant effectiveness.

Business Opportunities

- Consulting services for preparation of detailed engineering designs, civil works procurement and project implementation support will be financed under the associated TA 7822-VIE approved by ADB on 31 May 2011. The TA will require 370 person-months of international consulting services and 1,627 person-months of national consulting services. The expected implementation period is June 2011-December 2016. The consultants will be recruited according to ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). The TA is complex and requires a high standard of technical qualification from the consultants. Therefore, international consulting firm(s) in association with national consulting firm(s) will be engaged using the quality- and cost-based selection method with a quality-cost ratio of 90:10 and a full technical proposal. Consulting contracts will be on a partial lump sum basis: a lump sum for design and procurement assistance (part A), and time-based for implementation support (part B). In addition, the TA will require 16 person-months of individual consultant services for proof checking the Cao Lanh Bridge designs prepared by the consulting firm. The PMU-MT will recruit these consultants using the individual consultant selection method. ADB's Procurement Guidelines will be applicable in any procurement activities to be financed under the TA. Upon completion, all assets purchased under the TA will be turned over to the MOT. The joint venture of firms, WSA (USA), WSP (Finland) and Yooshin (Korea) were appointed as the Detailed Design and Implementation Support

Consultants (DDIS Consultant) and mobilized in November 2011. Ove Arup & Partners Hong Kong Ltd., was appointed as Independent Proof Check Consultant and mobilized in May 2012. An individual consultant for external monitoring of resettlement activities was mobilized in June 2013.

- Procurement: International competitive bidding procedures will be used for civil works contracts with pre-qualification following ADB's Procurement Guidelines (2010, as amended from time to time). Procurement plan for the project was approved by ADB in December 2012. Prequalification for the Cao Lanh Bridge completed in April 2013 and bids were opened June 2013. Award of contract is expected in the fourth quarter of 2013. Bids for other project components (road sections) are under preparation and invitations for bids expected to be announced in Q3 2013.

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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

A. 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)
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Energy Division, SARD

B. Capacity Building for Portfolio Management

TA No.	:	8426
Project No.	:	45376-001
Amount (US \$ million)	:	0.4
Executing Agencies	:	Ministry of Finance
Sector	:	Public sector management

Status: Board approved on 13 August 2013

Description: The technical assistance (TA) will continue earlier support (see below) over a longer period and in a more targeted way primarily: (i) addressing identified weak capacities of implementing/executing agencies (EA), line ministries, Foreign Aided Projects Audit Directorate, and Planning Ministry in project preparation, approval, monitoring and implementation; (ii) identifying and addressing bottlenecks/gaps; and (iii) support system development. This will lead to timely and early government approval of ADB projects; reduced time for contracting, land acquisition and resettlement; reduced start-up delays; improved governance and raised contract and disbursement ratios. TA design was formulated and will be implemented building on success and lessons learned from CDTA 7614, including preparing of specific capacity building program at the outset of the assignment, more involvement of ADB staff and skilled government resource persons to make the training more cost effective and relevant, and using more realistic and measurable outcome and output indicators to allow for proper monitoring and evaluation of results.

Project Rationale and Linkage to Country/Regional Strategy: To provide TA to support governance and capacity building to enhance operational efficiency of the ADB Bangladesh portfolio

Impact: Enhanced operational effectiveness of ADB's Bangladesh portfolio

Description of Outcome: Satisfactory implementation of projects in full compliance with ADB Guidelines

Outputs:

1. Improved capacity in procurement and governance of executing agencies and line ministries implementing ADB projects
2. Improved readiness of ADB projects
3. Improved financial reporting and auditing of ADB projects
4. Improved results-based monitoring of ADB projects, sharing of best practices, and knowledge management

Business Opportunities

- **Consulting Services:** The TA will be carried out by international and national individual consultants and resource persons (around 3 person-months of international and 18 person-months of national consultant inputs) who will be engaged following procedures for recruitment of individual consultants or resource persons as applicable on an as-needed basis for studies, training, or capacity development. The consultants engaged under the TA will be recruited by ADB in accordance with its Guidelines on the Use of Consultants (2013, as amended from time to time). Equipment will be procured using shopping procedures in accordance with ADB's Procurement Guidelines (2013, as amended from time to time) and will be turned over to the government after completion of the TA. Consulting services will commence in August 2013 and continue on an intermittent basis till August 2015.
- **Procurement:** To be determined

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South Asia Department
Bangladesh Resident Mission

C. Supporting Participation in the South Asia Subregional Economic Cooperation Trade Facilitation Program

Project No. : 47022-001 (Proposed)
Amount (US \$ million) : To be determined
Executing Agencies : Asian Development Bank
Sector : Multisector

Status: Board approved on 21 August 2013

Description: The proposed technical assistance (TA) aims to create a modern customs administration for Bangladesh through improving border clearance mechanisms and facilitating trade information access for traders. It is envisaged that the TA will result in better alignment of Bangladesh Customs procedures and practices with internationally accepted standards. Specific outputs are specified in the attached Design and Monitoring Framework. The TA includes three components:

- (i) *Improving border clearance mechanisms.* The TA will assist in the development and implementation of a roadmap for risk management, post clearance audit, and authorized economic operator. The TA will support the implementation of the Government's strategic plan to implement the SAFE framework of standards. In collaboration with the WCO, the TA will help undertake training needs assessment and conduct of technical training on identified training needs, such as time release studies, risk management, post clearance audits, and authorized economic operator.
- (ii) *Strengthening automation customs.* Through provision of experts and, possibly, software upgrades, the TA will support NBR in the transition from ASYCUDA ++ to ASYCUDA World, which will be interfaced with a pilot National Single Window Program connecting with the back-end electronic data processing systems of selected agencies such as commerce and shipping. Associated technical training for the National Single Window on the application of the ASYCUDA World will also be supported by the TA.
- (iii) *Enhancing access of information to traders.* The TA is expected to strengthen the institutional arrangements for trade facilitation by ensuring a greater participation of traders and other private sector trade holders in the initial operations of the national trade facilitation body. More importantly, by assisting the development of a trade portal, which is being developed by Ministry of Commerce under the SASEC Trade Facilitation Program Loan and is to be linked to ASYCUDA World, the TA is expected to facilitate greater access of importers/exporters to trade data and information, and especially for timely processing and issuance of import/export registration certificates and permits.

Project Rationale and Linkage to Country/Regional Strategy: The Doing Business Report by the World Bank estimates that it takes 25 days in Bangladesh to complete all procedures to export and 31 days to import. Cost of transporting a 20-foot container is an average of \$1,025 for export and \$1,430 for imports. High costs and time to trade greatly reduce prospects for trade in Bangladesh and ranks the country 119 on efficiency in trading across borders. Data indicates that a significant portion of time to trade is due to institutional barriers, such as the time taken to prepare documentation and complete customs clearance. Key factors for such inefficient trade procedures include: (i) Large Number of Trade Documents. Documentation takes considerable amount of time and constitutes a major barrier to trade facilitation in Bangladesh. A large number of documents, multiple copies and multiple signatures are required for customs clearance. For example, exporting a standard container of goods requires 6 documents, takes 25 days and costs \$965. Importing the same container of goods requires 8 documents, takes 31 days,

and costs \$1,370. Standardization of trade documents to international standards and harmonization of documents across agencies/ministries and across countries will reduce the burden on traders. (ii) Lack of Full Customs Automation. Bangladesh currently uses ASYCUDA++ for the operation of customs. To date three ports Chittagong, Dhaka, and Benapole have been automated through the adoption of ASYCUDA++. Dhaka is the main commercial and administrative center of Bangladesh; Chittagong is the primary seaport, accounting for 90% of imports and exports. In practice, however, automation is partial at best, with several key functions still conducted manually and therefore with low levels of efficiency. Procedures in all other ports are conducted manually, which is followed by ex-post data entry that are collected in CD ROMs sent to the central customs office in Dhaka at the end of each month. This is an inefficient and outdated method of customs processing. Customs is unable to interface with the other border agencies (Quarantine, Immigration, and Bangladesh Land Port Authority), which use other systems, notwithstanding the lack of connectivity with banks, freight forwarders and importers and exporters. There is no pre-arrival declaration facility. In effect, the customs declaration can only be entered into the system when the goods arrive. (iii) Absence of Risk Based Inspection. Currently 100% of cargo needs inspection at the borders since no risk based inspection procedures is yet established. Borders cannot yet facilitate highly-compliant traders with pre-arrival clearance, post-clearance audit, and other methods for non-intrusive inspections. In addition, valuation of goods is a major source of dispute at borders which lead to goods being detained for long time. Bangladesh has made significant efforts to implement trade facilitation measures. In September 2012, Bangladesh acceded to the Revised Kyoto Convention (RKC) of the World Customs Organization (WCO) with full commitment to simplify and modernize customs laws, rules, and regulations. This requires Bangladesh to comply with the international standards as stated in the General Annex of the RKC. With accession, Bangladesh needs support the next few years to implement international standards. At the same time, Bangladesh is part of the SASEC (South Asia Subregional Economic Cooperation) Trade Facilitation Program supported by ADB. As part of the Program, the Government of Bangladesh in principle agrees to a set of trade facilitation policy reforms, for which it needs technical assistance, including the development of risk management (RM) systems, authorized economic operators (AEO), and other areas to enhance transparency and speed up transactions at borders. Bangladesh is also in the process of upgrading customs management system from the ASYCUDA++ to ASYCUDA World. The new system will allow electronic data interchange system (EDI) across border/centralized customs, electronic national single window (NSW), and other e-customs facilities. Through the SASEC Trade Facilitation Program, Bangladesh has also agreed to pilot a scalable NSW led by the National Board of Revenue (NBR). To implement these policy actions, Bangladesh is in need of adequate resources to put the new systems in place. One of the ongoing initiatives that the Government of Bangladesh is undertaking to promote accelerated trade and investment is to make key information on trade regulations and procedures easily available to the trading community. With guidance from the Ministry of Commerce, Bangladesh is in the process of developing a trade portal that can be accessed through a website by traders and logistics operators. Private sector representatives in Bangladesh, including the Chambers of Commerce are also working actively in Bangladesh to provide information to businesses, including on market access, and bank and finance opportunities. The Government has requested ADB's support in providing timely and relevant information to traders. ADB's strategy is to support improvements in trade facilitation through a combination of interventions at the policy and institutional level, as well as in developing the physical infrastructure that enables trade. The SASEC Trade Facilitation Program loan for Bangladesh (\$21 million) was approved in 29 November 2012 to provide assistance in reducing policy, institutional and technical constraints to trade facilitation. The Program loan has the objectives of: (i) establishing a modern and effective customs management system through accession to, and alignment with the RKC and the Framework of Standards to Secure and Facilitate Global Trade (SAFE); (ii) streamlined and transparent trade processes and procedures through support to the implementation of the ASYCUDA World and National Single Windows; and (iii) improved services and information for traders through the establishment of trade portals and trade facilitation committees. The funds from the Program loan will be released in two tranches and are anchored on Bangladesh's compliance to agreed tranche conditions. The first tranche release is expected by 31 March 2013 and the second tranche will be 18 months after the 1st tranche release. The proposed TA will provide need assistance to Bangladesh in fulfilling the conditions set in the loan agreement. The proposed TA for Bangladesh is consistent with South Asia's

Regional Cooperation Strategy (RCS) 2011-2015 and the ADB's Country Partnership Strategy for Bangladesh, both of which accord high priority for regional connectivity and trade facilitation projects. Through consultations during the SASEC Working Group Meetings and those conducted for the SASEC Trade Facilitation Program Loan, the proposed TA on Supporting Bangladesh's Participation in the SASEC Trade Facilitation Program was conceptualized. The SASEC TFTWG Meeting in Thimphu, Bhutan on 8 November 2012 discussed and requested ADB to explore the possibility of providing TA to respond to specific trade facilitation needs of SASEC countries. Hence, the main purpose of the TA is to support Bangladesh customs to strengthen their institutional capacity in delivering the agreed policy reforms in the ADB program loan for SASEC Trade Facilitation approved in November 2012. Initially, the proposed CDTA will involve Customs but in the course of implementation, other government agencies may be involved in varying degrees.

Impact: Reduction in time and cost to trade in Bangladesh

Outcome: Better alignment of Bangladesh Customs procedures and practices to enhance transparency and speed up transactions and in conformity with practices of the World Customs Organization

Outputs

1. Improved border clearance mechanisms
2. Improved automation of customs
3. Enhanced trader access to information

Business Opportunities

- **Consulting Services:** A team of individual international and national consultants will be engaged under the project. International resource persons will also provide capacity building support through participation in workshops and training programs, and provide guidance in developing programs and reports. An estimated 136.5 person-months of consulting services (64.5 person-months of international consultant inputs and 72 person-months of national consultant inputs) will be required over a 24 month period. Consultants to be engaged will include: (i) International trade facilitation specialist/team leader (ii) International customs law specialist (iii) International national single window specialist (iv) International risk management and post clearance audit specialist (v) International transport and transit specialist (vi) Short-term international experts/resource persons (vii) National customs expert (viii) National trade facilitation coordinating analyst
- **Procurement:** To be determined

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South Asia Department
Regional Cooperation and Operations Coordination Div, SARD

BHUTAN

A. Piloting the Design of e-Services Delivery Platform in Health Services

Project No. : 47222-001
Amount (US \$ million) : 0.225
Executing Agencies : Ministry of Finance
Sector : Multisector

Status: Board approved on 2 August 2013

Description: The Royal Government of Bhutan (the Government) has identified information and communications technology (ICT) based e-governance as a key area for improving efficiency and enabling wider reach of public service delivery. The focus of the Government is to enhance gross

national happiness by building a knowledge society empowered by ICT. The Government is taking a dual approach to achieve this namely by: (i) furthering efficiency building measures through ICT and (ii) developing ICT related sectors for exports and local consumption.

The Asian Development Bank (ADB) has undertaken discussions with the Government to explore opportunities for providing support to strengthen e-governance activities in the area of efficiency improvement by establishing an e-Services platform through a pilot initiative to deliver public services. The Government has recommended starting the pilot in the health sector by offering services such as telemedicine and basic medical laboratory testing facilities through e-Health centers. The proposed category B, small-scale capacity development technical assistance will finance the pilot establishment of an e-Services delivery platform in the area of e-Health in Bhutan in collaboration with private sector participants.

ADB, as part of its strategy to enhance sustainable development in its developing member countries, encourages private sector participation where possible in its developmental initiatives. Thus, for this initiative ADB is seeking to collaborate with and leverage resources through corporate social responsibility programs of private sector corporations, Hewlett-Packard (HP) and Microsoft. ADB will liaise and facilitate with the two private entities in bringing together the needed hardware, software, implementation services, and subsequent knowledge transfer for maintenance of the pilot components to the Government agencies namely, the Ministry of Health (MoH) and the Ministry of Information and Communications (MoIC). The Government is expected to provide in-kind contributions, including civil infrastructure facilities, staff assistance, and utility services such as water and electricity.

Project Rationale and Linkage to Country/Regional Strategy: As a sparsely populated country in a mountainous region, Bhutan is still in the developing stages with regard to infrastructure. Poor roads, combined with the rugged topographical nature of the land, have made transportation difficult. With approximately 80% of Bhutanese people living more than an hour's walk from the nearest road, high costs are incurred when bringing patients and medical equipment to and from the remote locations. An ambulance may take over 20 hours going from east Bhutan to Thimphu, the nation's capital. Bhutan's underdeveloped transportation network has serious implications not only on the timely provision of efficient health care, but also on equal access to health services by rural and urban populations.

Bhutan's constitution mandates the provisions of free health care for its population. The Government of Bhutan together with development partners has implemented innovative approaches such as telemedicine and e-Health since 2000 to remote populations. The Government of Bhutan aims to expand the application of e-Health. According to the annual health bulletin 2011 report of MoH, there exists visible demand for quality health services and health care costs are rising. Therefore, using available information for decision making and designing cost-effective interventions is increasingly becoming the need of the day. The Government has introduced the health help center concept to provide medical advice on any medical presentation and ensure the right medical care is provided. Since the health help center is a new set-up, challenges are faced in various areas such as human resources, telecom solutions and budget. The interventions from ADB with support from HP, in the form of an e-Health center, will partially fill the gap in health services delivery and are in line with the Government's strategic plan. For delivering e-Health services at remote locations, availability of high capacity internet broadband access is a necessary precondition.

Enabling internet connectivity and ensuring its wider usage is a challenge faced in many developing member countries. There are various factors influencing its provisioning and usage. The cost of deploying conventional connectivity solutions such as terrestrial connections, satellite based connections, and the limited revenue generating prospects of such investments, are some of the major deterrents to provisioning of sustainable digital access at remote and rural areas. In the ICT industry, this is referred to as the last mile connectivity problem. With the advent of newer technologies, such as mobile technology, optical fiber technologies and television (TV) white spaces, solutions are used to tackle the last mile connectivity issue progressively. As internet is the backbone infrastructure for sustainable delivery of e-

Services, it is essential to find innovative solutions to bridge the digital gap especially at remote and rural areas.

The geography of Bhutan consists of Himalayan Mountains, river valleys, and sub-tropical forests. Topographical extremes are a defining feature of its geography. In such conditions providing telecommunications infrastructure throughout the country is a challenge. Providing terrestrial broadband connectivity in remote areas is thus not feasible. To a large extent, these areas can be served by wireless functionalities. However, conventional wireless methods suffer from attenuation issues in high mountainous habitations. TV white spaces technology is emerging as a new technology in extending solutions to the last mile connectivity problem. Bhutan's internet service provider (ISP) market is a dominated by two major operators namely Bhutan Telecom Limited and Tashi infoComm Limited. The leased lines for internet services for higher bandwidth requirements will have to be sourced from them. These lease lines offer data security, high access speed, resilience and stable connectivity. However, leased lines are expensive, take long lead times to install and need contract management function to monitor and enforce service level agreement.

The Government of Bhutan, in its effort to promote ICT, has started initiatives such as: (i) demand creation for Information Technology (IT) and/or Information Technology Enabled Services industry; (ii) talent development; (iii) infrastructure building; and (iv) establishing conducive legal, policy, and regulatory frameworks. The proposed pilot approach will establish the requirements for the larger e-Services initiatives in line with the government's effort. It will provide needed insights to demand generation, infrastructure upgrade, capacity development, and policy requirements.

Therefore, it is anticipated that this pilot will help in identifying operational issues and approaches to scale up on a countrywide basis. Discussions with other development agencies will be undertaken to draw lessons, assess risks, and design risk mitigation measures. The concept will provide insights to strengthen the Government's service delivery requirement and establish a sustainable engagement mechanism to plan, maintain, and extend the pilot country wide.

The TA will: (i) establish dedicated lease line and associated link infrastructure for the project; (ii) pilot implementation of TV white spaces technology in the remote location; and (iii) establish pilot e-Health center.

Impact: Improved health service delivery system in Bhutan

Outcome: Establishment of e-Services delivery platform capabilities in health services in Bhutan

Business Opportunities

- Consulting Services: Consulting services for implementation of the pilot are expected to commence in September 2013 and be completed within four months. The consulting services for the maintenance of the e-Health center will run till September 2014. The total duration of the project is from September 2013 till September 2014.
- Procurement: MoH is responsible for identifying the pilot location and provisioning of civil infrastructure facilities including electricity, water, land, generator fuel, IT consumables, human resources, insurance, and other needed requirements. The facility incurs recurring monthly operational expenses for continuing the service delivery. The monthly operational expenses for running the facility for the first year will be financed from ADB's TA, and from the second year onwards, will be funded by MoH, through its budgetary allocation procedures. The Ministry of Economic Affairs and the MoIC will provide in-kind support to facilitate broadband service generation to allow the use of spare capacity of optical fiber based infrastructure owned by the ministries for the pilot project. The MoIC will also facilitate the needed policy and regulatory requirements associated with allocation of the telecommunications spectrum. The MoIC will also assume the responsibility to maintain the TV white spaces infrastructure after hand over and

knowledge transfer by Microsoft. HP will bear the initial capital expenditure for the e-Health center estimated at \$86,000 and annual hosting charge of \$10,000 for the first years for the medical data processing service of the pilot implementation. The major capital expenditure expenses to be borne by HP include (i) container infrastructure, (ii) registration, (iii) telemedicine studio, (iv) initial pharmacy, (v) initial lab basics, (vi) transportation to port from base, and (vii) implementation services. Microsoft through its TV white spaces vendor will be responsible for providing implementation support and services for the TV white spaces component. ADB will finance the equipment, annual equipment maintenance cost for the first year, and travel cost of a training resource for technical knowledge transfer of TV white spaces technology to MoIC staff. The annual maintenance cost from second year will be the responsibility of MoIC, to be funded through its budgetary allocation procedures.

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Public Management, Governance and Participation Div., RSDD

B. Supporting Participation in the South Asia Subregional Economic Cooperation Trade Facilitation Program

Project No. : 47025-001
Amount (US \$ million) : To be determined
Executing Agencies : Asian Development Bank
Sector : Industry and trade

Status: Board approved on 21 August 2013

Description: The technical assistance (TA) will help strengthen the technical and institutional capacity of Bhutan's Customs, by better aligning procedures and practices with internationally accepted standards. The TA has three main components:

- (i) *Supporting Bhutan's accession to the RKC.* The TA will assist in preparing the necessary legal, administrative, and technical documents necessary for Bhutan's accession to the RKC. It will conduct a regulatory impact assessment on the proposed amendments to Bhutan's laws, rules, and regulations, which are required to ensure Bhutan's compliance with the General Annex of the RKC. The TA will promote understanding and awareness of key stakeholders in Bhutan of the RKC, its benefits, and implications. In collaboration with the World Customs Organization (WCO), the TA will conduct technical training on the General Annex of the RKC for relevant customs officials. Initially, the TA will involve customs but in the course of implementation, other government agencies may be involved.
- (ii) *Enhancing Capacity of Customs Automation.* The TA will support system upgrades to the Regulatory Audit Management Information System (RAMIS). The implementation of customs facilitation measures will be brought in line with the RKC through provision of technical expertise, and limited software and hardware assistance. The TA will carry out a comprehensive training needs assessment for customs automation, and based on this assessment, conduct training for relevant customs officials at headquarters and at key border checkpoints.
- (iii) *Establishing a Functional National Trade Facilitation Body.* As part of the ADB-financed SASEC Trade Facilitation Program, the Royal Government of Bhutan issued an executive order to establish the National Trade Facilitation Committee (NTFC) of Bhutan in February 2013. The role of the NTFC will be to ensure proper coordination and smooth implementation of the cross-sectoral SASEC Trade Facilitation Program. The NTFC has eight members: the Chair (Secretary of the Ministry of Finance); five Directors (from ministries of Economic Affairs, Agriculture and Forest, Home and Cultural Affairs, and the Department of Revenue and Customs [DRC]); one Deputy Governor (Royal Monetary Authority); and one Secretary General (Bhutan Chamber of Commerce and Industries). The TA will provide strategic and technical advice to the Royal

Government of Bhutan in support of effective operations of the NTFC. It will support meetings of the NTFC, and provide capacity to and support the operations of the NTFC Secretariat. The TA will conduct a study to identify possibilities to render the operations of the NTFC self-sustaining.

Impact: Reduction in time and cost for Bhutan's trade

Outcome: Better alignment of Bhutan customs procedures and practices with internationally accepted standards

Outputs:

1. Bhutan accedes to the Revised Kyoto Convention (RKC)
2. Enhanced capacity of customs automation
3. A functional national trade facilitation body

Business Opportunities

- Consulting Services: A total of 147 person-months of consultancy services will be engaged for this TA including 86 person-months of national consultancy. Consultant firms and individuals 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

Responsible ADB Officer: Rosalind McKenzie (E-mail: rmckenzie@adb.org)
South Asia Department
Regional Cooperation and Operations Coordination Div, SARD

CHINA

A. Low-Carbon District Heating Project in Hohhot in Inner Mongolia Autonomous Region

TA No. : 8403
Project No. : 47052-001
Amount (US \$ million) : 0.6
Executing Agencies : Gov't of Inner Mongolia Autonomous Reg-Fin Bureau
Mr. Aijun Yang, Deputy Director, Foreign Affairs Division

Gov of Inner Mongolia Autonomous Reg-Devt & Ref Comm
Ms. Si Ha, Director, Utilization of Foreign Investment and Economic
Cooperation Office

Sector : Energy

Status: Board approved on 15 July 2013

Description: The proposed Low-Carbon District Heating Project in Hohhot in Inner Mongolia Autonomous Region (IMAR) will upgrade and expand the district heating system in the eastern and southern parts of the city, where the district heating coverage is insufficient and residences depend on inefficient coal-fired heating stoves without emission control devices. The project will not only improve living conditions by providing clean and modern heating services, but also contribute to the development of low-carbon district heating systems by introducing wind and coal hybrid district heating system in IMAR, the People's Republic of China (PRC).

Business Opportunities

- Consulting Services: Part 1 of the project preparatory technical assistance (PPTA) will use individual consultants (3 international for 4.5 person-months, and 2 national for 16 person-

months). This approach is cost and time efficient to allow quick mobilization of the consultants to: (i) conduct the technical and economic study on wind and other renewable energy-based district heating, (ii) improve the project design, and (iii) conduct environmental and social safeguards due diligence. The tasks under part 2 will be undertaken by a consulting firm (1 international for 2.0 person-months and 4 national for 9 person-months) using quality- and cost-based selection method (with a quality-cost ratio of 90:10) due to important technical aspects associated with hybrid wind district heating system.

- Procurement: To be determined

Responsible ADB Officer: Na Won Kim (E-mail: nawonkim@adb.org)
East Asia Department
Energy Division, EARD

B. Eco-Compensation Mechanism and Policy Framework Study for the Xiangjiang River Watershed of the Chang-Zhu-Tan City Cluster

TA No. : 8398
Project No. : 47158-001
Amount (US \$ million) : 0.625
Executing Agencies : Hunan Provincial Government
Sector : Multisector

Status: Board approved on 5 August 2013

Description: The proposed policy and advisory technical assistance (TA) was requested by the Hunan provincial government through the Hunan Provincial Chang Zhu Tan (CZT) Resources-Conserving and Environmental-Friendly Society (RES) Office. The environmental status and threats to water quality and abundance in the Xiangjiang river watershed will be analyzed to help develop a specific eco-compensation mechanism and policy. Economic analyses will help prioritize recommendations concerning environmentally sustainable natural resource and land use necessary for the implementation of an eco-compensation scheme. The TA supports the Twelfth Five-Year Plan (2011-2015) of the People's Republic of China (PRC) which emphasizes the importance of environmentally sustainable growth, and the Hunan provincial development and national strategies up to 2050 that included targets for low carbon sustainable growth and protected areas. The TA also supports the United Nations Framework Convention on Climate Change, to which the PRC is a signatory. The TA is aligned with the Asian Development Bank's (ADB) PRC country partnership strategy (2011-2015), supporting the government sector objective for natural resources and agriculture. The TA will address important objectives of the ADB Water Operational Plan (WOP) 2011-2020, including policy reform (WOP, para. 3.12) and watershed development (WOP, para. 3.25). The Water Financing Partnership Facility (WFPPF) funds will directly contribute to three target outcomes of the Water Financing Program: 500 million people provided access to safe water supply and improved sanitation, integrated water resources management introduced in 30 river basins, and improved water governance through national water reforms and capacity development. ADB Loan 2962-PRC, approved on 7 December 2012, focuses on an inland waterway transport project on this river; and this activity will complement the loan by helping maintain local hydrological cycles. The TA is included in the PRC's country operations business plan (2013-2015) for non-lending products and services in 2013.

Project Rationale and Linkage to Country/Regional Strategy: The Hunan provincial government seeks to address constraints to environmentally sustainable growth through a mix of well-developed strategies and policies, including pollution controls, appropriate land use, natural resource conservation (including water and energy), and financial incentives. This policy and advisory technical assistance (TA) will address gaps in the regulatory and policy framework for ecological protection of the Xiangjiang river watershed in

the Hunan Chang-Zhu-Tan (CZT) region; analyses of ecological characteristics, threats, and/or mitigation; cost benefit analysis, and other economic analyses; and eco-compensation requirements. The outcomes will be used primarily as a decision-making support for the Hunan provincial government in the construction of a resource-saving and environmental-friendly society in the CZT experimental zone.

Impact: Improved environmental quality in the Xiangjiang River watershed of Hunan Chang-Zhu-Tan City cluster

Outcome: A strengthened eco-compensation mechanism and policy framework to improve water quality and abundance in the Xiangjiang River watershed

Outputs:

1. Completed analyses of environmental threats to water quality and abundance, including their interrelationship with natural resource and land use in the Xiangjiang River watershed
2. Recommendations for the design and implementation of an eco-compensation mechanism and policy framework
3. Strengthened government capacity in the environmentally sustainable use of natural resources and land to improve water quality and abundance

Business Opportunities

- **Consulting Services:** It is estimated that the TA will require 10 person-months of international and 42 person-months of national consulting services. Four international specialists (team leader a sustainable land use planning and integrated watershed management specialist, economic finance and eco-compensation specialist, hydrology specialist, water pollution specialist) and 8 national specialists (deputy team leader and environmental policy and/or institutional specialist, eco-compensation specialist, environmental finance specialist; integrated watershed management specialist, water pollution specialist, climate change specialist, hydrology specialist, and a geographic information system technician) will be required for TA implementation. The specialists will be engaged through a firm in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time) using the quality- and cost-based selection method, with a quality cost weighting ratio of 90:10 given the high technical complexity.
- **Procurement:** To be determined

Responsible ADB Officer: Carey Yeager (E-mail: cyeager@adb.org)
East Asia Department
Environment, Natural Resources & Agriculture Division, EARD

C. Gansu Featured Agriculture and Financial Services System Development Project

TA No. : 8417
Project No. : 47046-001
Amount (US \$ million) : 0.7
Executing Agencies : Gansu Provincial Government
Sector : Multisector

Status: Board approved on 5 August 2013

Business Opportunities

- **Consulting Services:** It is expected that 14 person-months of international (Agricultural economist/team leader; Rural financial specialist; Social development specialist; Environmental specialist; and Financial institution specialist) and 38 person-months of national (Rural financial specialist/deputy team leader; Agricultural insurance specialist; Agricultural specialist; Livestock farming specialist; Financial specialist; Agricultural economist; Social development specialist; Social safeguards specialist; Farmer cooperative cum agricultural SME development specialist; Environmental specialist; Financial institution specialist; and Project management and procurement specialist) consultants are required. With additional funding from the Multi-Donor Trust Fund under the Water Financing Partnership Facility, 2 person-months of international (Water resource specialist and Climate change specialist) and 4 person-months of national (Water resource specialist and Agriculture and water extension specialist) consultants will be added to strengthen the water-related project design. The consultants will be recruited through one consulting firm in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time) using quality- and cost-based selection method (with a quality-cost ratio of 90:10 considering the variety of expertise required and its critical role) following the simplified technical proposal.
- **Procurement:** To be determined

Responsible ADB Officer: Yi Jiang (E-mail: yjiang@adb.org)
East Asia Department
Environment, Natural Resources & Agriculture Division, EARD

D. Daguhe Groundwater Rehabilitation and Protection

TA No. : 8422
Project No. : 47050-001
Amount (US \$ million) : 0.3
Executing Agencies : Qingdao Municipal Development & Reform Commission
Mr. Sun Li, Director

Sector : Agriculture and natural resources

Status: Board approved on 9 August 2013

Impact: Sustainable utilization and management of Daguhe groundwater resources ensured

Outcome: Capacity of Qingdao Municipal Government to implement sustainable groundwater management in the Daguhe river basin improved

Outputs:

- Daguhe groundwater resources assessment carried out Groundwater resources information management system established
- Groundwater pollution treatment options assessed
- Daguhe groundwater resources management plan prepared

Business Opportunities

- **Consulting Services:** QDRC and QHB will be supported by TA-financed international and national consulting services to provide assessments and training in the areas of groundwater protection and planning while following international good management practices. It is estimated the consultants will include 4 person-months of international experts and 18 person-months of national experts. One consulting firm with international experience will be engaged by ADB following ADB's Guidelines on the Use of Consultants (2013, as amended from time to time) through quality- and cost-based selection method at the quality cost ratio of 80:20 using simplified technical proposal procedures. It is anticipated that the consultants will be mobilized during the first quarter of 2014.
- Procurement for the TA will be conducted in accordance with ADB's Procurement Guidelines (2013, as amended from time to time). The equipment will be handed over to QHB upon completion of the TA.

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GEOGIA

Secondary Road Improvement Project

TA No. : 8411
Project No. : 46375-001
Amount (US \$ million) : 1
Executing Agencies : Road Dept-Min.of Reg. Devt. and Infrastructure
Sector : Transport and ICT

Status: Board approved on 30 July 2013

Description: The technical assistance is needed to determine the feasibility of quickly improving the road subject to the budget and time available, and the socio economic and environmental benefits of the project. The project will have three main outputs: (i) Improved road from Dzirula to Chumateleti, about 50 km in length; (ii) Improved access to the railway stations adjacent to the improved road; and (iii) Geographic information system.

Project Rationale and Linkage to Country/Regional Strategy: The road condition is very poor and is sparsely used at present (about 4 vehicles per day in some parts). Most parts will require complete reconstruction. Background information and technical and social data needed to make this determination with a high level of certainty are scarce. They have to be either collected or obtained from archived records, and carefully examined to avoid the significant errors in estimated costs and construction times in past and on-going projects. This assistance will, therefore, provide a platform for developing a geographic information system to compile and use data for project preparation, road design, construction, maintenance and operation. It will be the first instance that technology will be used in the road subsector in Georgia for managing social and environmental issues that are continuing to delay road projects. Additionally, the best operation and maintenance mechanisms must be included in the project design to

ensure sustainability of the investment. The government will soon procure maintenance of selected secondary roads under a performance-based contract as an experiment. This TA will enable the government to determine the most suitable method of sourcing maintenance works for the project based on this experiment's results and other on-going activities.

Business Opportunities

- **Consulting Services:** The project preparatory technical assistance (PPTA) will be implemented over eight months starting in approximately November 2013 and ending in July 2014. ADB will select an international consulting firm that will, in partnership with a national firm, mobilize a team of specialists to determine the socio economic and environmental benefits and the technical feasibility of improving the road with the given budget. An individual international consultant will be recruited for the external review of TA consultant's outputs. Selection will be made according to ADB's Guidelines on the Use of Consultants (2013, as amended from time to time) using the quality and cost-based selection criteria. The firms will be required to provide services of international and national consultants amounting to 22 and 28 person months respectively. The international consultants will study: (i) economics and finance; (ii) highway, structural and geotechnical engineering and maintenance; (iii) social development and resettlement; (iv) environment, while the national consultants will provide services in (i) computer aided design; (ii) geographic information systems; (iii) hydrology; and (iv) geodetics.
- **Procurement:** To be determined

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

INDIA

A. Delhi Water Supply Improvement Investment Program

TA No. : 8415
Project No. : 47176-001
Amount (US \$ million) : 0.8
Executing Agencies : Delhi Jal Board
Sector : Water Supply and Sanitation

Status: Board approved on 29 July 2013

Description: The project preparatory technical assistance (PPTA) is required to: (i) Undertake sector preparatory work, define the scope of the ensuing investment program, and undertake (a) technical feasibility assessment, (b) safeguards due diligence, and (c) financial and economic viability assessment of the ensuing investment program; (ii) Assist the Delhi Jal Board (DJB) in undertaking advance contracting actions for project 1 of the proposed investment program to: (a) appoint the project management consultant (PMC), and (b) prepare and manage the bid to procure the design-build-finance-operate-transfer (DBFOT) contractor for the Wazirabad water treatment plant (WTP); and (iii) Assist the DJB in establishing service level benchmarks (SLBs) for the water network improvement DBFOT contract under project 2 of the proposed investment program. This will cover one pilot district metered area (DMA) and include undertaking: a. Surveys and investigations of the water network to identify the alignment, condition, physical characteristics of the network, and quality of connections between the distribution main and house service; b. Household surveys and data collection on connections, working condition of meters, quality of water supplied, and reliability (pressure and continuity) of water supplied; and c. Non-revenue water (NRW) baseline surveys through comparison of inflows into the DMA and monitoring using electronic bulk flow meters and meters at consumer points.

Project Rationale and Linkage to Country/Regional Strategy. The Delhi Water Supply Improvement Investment Program, in line with the ADB's water operational plan, will improve the performance of the existing water supply services to 2.6 million people residing in North East Delhi and improve the management capacity of the Delhi Jal Board (DJB), the service utility responsible for water supply and sanitation services in the National Capital Territory of Delhi (NCTD) covering about 18.85 million people.

Business Opportunities

- **Consulting Services:** Nine individuals comprising three international consultants and six national consultants (providing 39 person-months of input) will be engaged to undertake the TA. A national firm will be engaged to undertake surveys and investigations and establish the service level benchmarks (SLBs), and will be supervised by the Asset Management Specialist. The firm will be appointed using a Consultants Qualifications Selection (CQS) given the highly specialized nature of the surveys and investigations. Socioeconomic and willingness to pay surveys will be undertaken by the project management consultancy appointed through advance actions.
- **Procurement:** To be determined

Responsible ADB Officer: Vijay Padmanabhan (E-mail: vpadmanabhan@adb.org)
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Urban Development and Water Division, SARD

B. Uttar Pradesh Major District Road Investment Program

TA No. : 8427
Project No. : 43574-022
Amount (US \$ million) : 0.7
Executing Agencies : Public Works Department, Uttar Pradesh
Sector : Transport and ICT

Status: Board approved on 13 August 2013

Description: A project preparatory technical assistance (PPTA) is proposed for due diligence on the Program, and Tranche 1, for an amount of \$700,000 from ADB's Technical Assistance Special Fund (TASF-other sources). While it is envisaged that the basic detailed project reports (DPRs) will be prepared by the Uttar Pradesh Public Works Department, the PPTA will carry out review of the DPRs prepared by UPPWD; economic assessment; assessment on financial management, procurement, anticorruption, policy and legal capacity, and other institutional aspects; a "needs assessment" will be conducted to formulate targeted capacity strengthening programs towards: (a) enhancing road safety, (b) improving project management, (c) strengthening the capacity for road asset management, and (d) managing private sector participation in road maintenance; review of the institutional set-up and implementation arrangement aspects under previous multilateral projects will be made, and the bottlenecks, which may cause delays in implementation, will be scrutinized; best practice to be adopted for UPPWD to ensure the project sustainability will be examined; determine scope of poverty and social issues that will need to be addressed; and assess environmental impacts and propose mitigation measures

Business Opportunities

- **Consulting Services:** A firm (or consortium of firms) will be engaged to undertake this PPTA. As estimated, this assignment will require 3 international experts for a total of 12 person-months, and 8 national experts of a total of 28 person-months. The consulting firm will be engaged following the quality- and cost-based selection method, with a quality:cost ratio of 80:20 using full technical proposal procedures. Procurement of all consultancy services used under the PPTA will be carried out in accordance with ADB's Guidelines on the Use of Consultants.

- Procurement: To be determined

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Transport and Communications Division, SARD

NEPAL

South Asia Subregional Economic Cooperation (SASEC) Power System Expansion Project

TA No. : 8412
Project No. : 44219-015
Amount (US \$ million) : 1.5
Executing Agencies : Nepal Electricity Authority, NEA
Sector : Energy

Status: Board approved on 30 July 2013

Description: The proposed NEP: South Asia Subregional Economic Cooperation (SASEC) Power System Expansion Project (Project) is being designed to address these urgent needs of the Nepal power system. Transmission network strengthening and expansion, in conjunction with current hydropower generation development, is a precondition to reducing load shedding and increasing cross border power trade. The Project's Basic Information, the Power Sector Problem Tree, the Design and Monitoring Framework and the Initial Poverty and Social Analysis are attached as Appendix 1, 2, 3 and 4, respectively.

Business Opportunities

- **Consulting Services:** The project will be executed over a period of 5 years from the date of loan approval. The design and implementation consultants (firm and individuals) will be recruited under ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). All procurement to be financed under the ADB loan or loans administered by ADB will be carried out in accordance with ADB's Procurement Guidelines (2013, as amended from time to time). The equipment purchased under the PPTA will be transferred to NEA on the completion of the TA. Approval for advance contracting and retroactive financing will be required.
- Procurement: To be determined

Responsible ADB Officer: Zhang Lei (E-mail: zlei@adb.org)
South Asia Department
Energy Division, SARD

PAKISTAN

A. Provincial Road Improvement Project

TA No. : 8406
Project No. : 46377-001
Amount (US \$ million) : 0.7
Executing Agencies : Works and Services Department
Sector : Transport and ICT

Status: Board approved on 18 July 2013

Description: The Project is required to help Work and Services Department (WSD) prepare a mutually agreeable project suitable for ADB financing. The Project will: (i) prepare an investment project with technical soundness and economical viable by a ADB loan; (ii) conduct required due diligence; and (iii) assist the EA in developing required documentation for country resource allocation including PC-1 for submission to the Planning Commission.

Project Rationale and Linkage to Country/Regional Strategy: The proposed PPTA was included in COBP (2013-2-14) and in line with the Country Partnership Strategy (2009-2013). WSD established a road asset management system (RAMS) funded by ADB with a database and an interface with highway design and management software (HDM-III). Sample data was collected and the system was configured. However, due to lack of funding and inadequate staffing, the data and system have not been updated and functioning as intended. There is a need to review the current status of the established existing RAMS and revive it with modern technology. Most importantly, the PPTA will investigate ways to make it functional. As a large organization with more than 10,000 employees in total, WSD staff has fewer opportunities to understand and deploy new knowledge and technology; they need to be equipped with new hardware and software to improve efficiency and effectiveness. Moreover, they need sustained training on key fields. Under project preparatory technical assistance (PPTA), training needs assessment will be conducted for WSD, with short and mid-term training program developed and endorsed by the government.

Business Opportunities

- Procurement: To be determined

- Consulting Services: The technical assistance (TA) will be implemented by a combined team of individual consultants and a consortium of international and national consulting firm over a 6-month period, commencing from September 2013. The firm will be hired using quality- and cost-based selection with a quality to cost ratio of 90:10. The type of technical proposal format will be Simplified Technical Proposal.

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Transport and Communications Division, CWRD

B. Federally Administered Tribal Areas Water Resources Development Project

Project No. : 46429-001
Amount (US \$ million) : 0.225
Executing Agencies : Federally Administered Tribal Areas (FATA) Secretariat
Sector : Agriculture and natural resources

Status: Board approved on 29 July 2013

Description: The output of the small-scale project preparatory technical assistance (S-PPTA) will be the final technical assistance (TA) report that will include required feasibility, design, and due diligence. The S-PPTA will: (i) determine scope, components, and geographical coverage of the project; (ii) identify portfolio of subprojects; (iii) carry out feasibility study of the project, including technical, financial, economic, social, environmental, and gender assessment; (iv) complete detailed design and tender documents of core subprojects; (v) prepare procurement plan; (vi) prepare resettlement framework for the project and resettlement plans of core subprojects; (vii) prepare environmental assessment and review framework of the project and conduct initial environmental examination studies of core subprojects; (viii) prepare gender action framework and plan; (ix) design implementation arrangements; (x) carry out economic analysis and calculate EIRR; (xi) prepare cost estimates and financing plan; and (xii) prepare terms of reference for design and support consultants.

Business Opportunities

- **Consulting Services:** The consulting services will be provided through 14 individual national consultants for 51 person-months. Individual consultants from FATA and KP province, locals are preferred because it was experienced during implementation of FDRP that security situation in the project area only permits locals to operate in the field and consulting firms cannot be restricted to provide only local experts. Local experts are available in the market. Individual consultants will also be cost effective and recruitment will consume lesser time.
- **Procurement Notices:** To be determined

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Environment, Natural Resources & Agriculture Division, CWRD

PHILIPPINES

A. 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)
Southeast Asia Department
Human and Social Development Division, SERD

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

C. 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)
Southeast Asia Department
Environment, Natural Resources & Agriculture Division, SERD

D. 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)
Southeast Asia Department, Transport and Communications Division, SERD

REGIONAL

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

Project No. : 46232-001
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)
Southeast Asia Department
Thailand Resident Mission

B. Promoting Regional Knowledge Sharing Partnerships

TA No. : 8430
Project No. : 46310-001
Amount (US \$ million) : 0.6
Executing Agencies : Asian Development Bank
Sector : Multisector

Status: Board approved on 16 August 2013

Description: The technical assistance (TA) envisions an enhanced knowledge sharing and cooperation among China, Mongolia, and other developing countries in the Asia and Pacific region. The outcome of the TA will be successful implementation of the RKSI, resulting in increased awareness of best practices and emerging issues and challenges in the region and enabling improved sector policymaking and capacity building among People's Republic of China (PRC), Mongolia (MON), and other developing member countries (DMCs) in the region. The main outputs of the TA are KSEs including workshops on development themes and issues, publications on results of the KSE workshops and policy research work, policy advice from international experts, study tours, interactive websites on exchange of knowledge, demonstration projects on knowledge sharing, capacity building seminars, and knowledge partnership agreements with centers of knowledge excellence.

Project Rationale and Linkage to Country/Regional Strategy: The TA will promote a regional knowledge sharing initiative (RKSI) by building on the gains from the KSP experience in PRC and knowledge support to MON. The TA will enhance the existing knowledge cooperation as well as regional cooperation among PRC, MON, and other DMCs. The TA will share development knowledge and experiences among DMCs. The TA will mobilize resources under the same framework of cooperation, with the aim of improving the effectiveness of knowledge sharing and establishing a knowledge center of excellence serving as platform for knowledge sharing. The TA will enable sharing of successful case studies and lessons

learned from other DMCs through Knowledge Sharing Events (KSEs) and promote networking among knowledge institutions in the region, linking the RKSI with agencies in PRC, MON, and other DMCs.

Impact: Enhanced knowledge sharing and cooperation among China, Mongolia and other developing countries in the Asia and Pacific region.

Outcome: Successful implementation of the RKSI, resulting in increased awareness of best practices and emerging issues and challenges among PRC, MON and DMCs in the region

Outputs:

- KSE workshops on development themes to enhance awareness on best practices and emerging development issues in the region
- Publications on results of the KSE workshops and policy research work
- Policy advice from international experts
- Study tours
- Interactive website on exchange of knowledge
- Demonstration projects on knowledge sharing
- Knowledge partnership agreements with centers of knowledge excellence

Business Opportunities

- **Consulting Services:** The TA will engage individual international consultants for 10 person-months and a total of 8 person-months of individual national consultants. ADB will recruit the consultants in accordance with its Guidelines on the Use of Consultants (2013, as amended from time to time). The TA will also finance regional knowledge sharing activities, including resource persons, international participants and the preparation and finalization of knowledge products developed in connection with these events.
- **Procurement:** To be determined

Responsible ADB Officer: Jorn Brommelhorster (E-mail: jbrommelhorster@adb.org)
East Asia Department
Office of the Director General, EARD

C. Second Greater Mekong Subregion Corridor Towns Development Project

TA No. : 8425
Project No. : 46443-001
Amount (US \$ million) : 1.5
Sector : Multisector

Status: Board approved on 14 August 2013

Description: The proposed project preparatory technical assistance (TA) is required to establish the basis for the proposed investments and capacity building activities for the proposed project. Many corridor towns in the Greater Mekong Subregion (GMS) are finding that their existing infrastructure and public services cannot already cope with the increasing demands of the growing local population and development needs of emerging economic activities. As a result, these towns face severe environmental problems due to capacity constraints in providing adequate potable water supply, sanitation, drainage and flood control, and solid waste management services. This is further aggravated with the absence of land use planning and management regulatory frameworks causing haphazard development. As traffic and trade movement increases along the GMS corridors with the improved infrastructure linkages, there is therefore an urgent need to develop and/or upgrade public services in the small and medium towns along

the corridors, and strengthen the capacities of these towns to manage future development in an environmentally and socially sustainable manner.

Business Opportunities

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

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

D. Trade Facilitation in South Asia

Project No. : 47016-001
Amount (US \$ million) : To be determined
Executing Agencies : Asian Development Bank
Sector : Multisector

Status: Board approved on 20 August 2013

Description: The proposed TA will: (i) support the operationalization of a Customs Subgroup of the SASEC Trade Facilitation Working Group for improved coordination and cooperation among customs officials in the SASEC countries; (ii) promote the exchange of experience in, and knowledge on international good practices on, customs reforms and modernization among South Asian countries; and (iii) help develop a framework for interface of modern customs administration systems between and among SASEC countries.

Impact: More efficient, transparent, secure and service-oriented processing of cross border trade in South Asia

Outcome: Modern and effective customs administration and management in participating countries

Outputs:

- (i) Output 1: Enhanced cooperation between and among Customs agencies in South Asia
- (ii) Output 2: Framework for interface of Customs administration systems in the SASEC countries

Business Opportunities

- Consulting Services: The project will require the services of consultants, which will be engaged as individuals: (i) International trade facilitation specialists (Key Deliverables: Framework for interface of Customs administration systems in the SASEC countries; draft strategy and road map for a feasible process of interface of customs administration systems; draft agreement reached on priority SASEC subregional customs projects or initiatives by 2015; initial agreement to pilot subregional initiatives to promote interface of Customs administration systems by 2015); 2 specialists for a total of 30 person-months) (ii) Short-term experts/Resource persons (Key Deliverable: International experience on trade facilitation for consultation studies; Inputs: 5 resource persons with total combined inputs of 50 days or 2.27 person-months) (iii) Domestic Trade Facilitation Coordinating Analyst (Key Deliverable: Progress Monitoring Reports, organization of workshops, meetings, supporting financial and accounting management; Inputs: 24 person-months)
- Procurement: To be determined

Responsible ADB Officer: Ronald Antonio Q. Butiong (E-mail: rabutiong@adb.org)
South Asia Department
Regional Cooperation and Operations Coordination Div, SARD

E. Improving the Implementation of Environmental Safeguards in Central and West Asia

Project No. : 47037-002
Amount (US \$ million) : 1.55
Executing Agencies : Asian Development Bank
Sector : Multisector

Status: Board approved on 12 August 2013

Description: The regional capacity development technical assistance will strengthen the capacity of the executing agencies in the region to improve environmental management and monitoring. The TA has the following components: (a) Training Course and Knowledge Products - The knowledge products trialed during the 2008 TA will be further developed and refined. The following knowledge products will be finalized; (i) environmental management inserts for the PAMs that cover the different lending modalities; (ii) guidelines on drafting environmental management clauses for tender documents and contracts; (iii) handbook on Environmental Mitigation Measures for Construction; and (iv) handbook on Environmental Management for Construction sites. These products will be combined into a standalone training program that can be delivered by multiple trainers in each CWRD country. (b) Training Course Delivery- A number of environmental service providers will be trained to deliver the training course in each country and will do so through an on-call basis. This approach will have a number of benefits such as ensuring that the type and content of training is consistent across all projects, providing a more cost effective approach by avoiding costs of international consultants, developing an in-country training capability, providing an opportunity to undertake refresher training and will also allow contractors to commission in the same training, at their cost. This training will also be supported by on-the-job training if required. (c) Improved Project Monitoring - The TA will support the establishment of a web-based tracking system for environmental management. All projects classified as environment A or B are expected to prepare six monthly monitoring reports for ADB and government authorities. A database will be established that will alert project leader and safeguards team that the report is due and will record its delivery. The system will allow staff from headquarters and resident missions to have access to a single source of information on project implementation performance.

Business Opportunities

- Consulting Services: International Consultants - Training Course (3 person-months); Trainers (3 person-months); IT Consultant (1 person month); 6 Firms with IDC
- Procurement: To be determined

Responsible ADB Officer: Mark Kunzer (E-mail: mkunzer@adb.org)
Central and West Asia Department
Portfolio, Results, Safeguards and Social Sector Unit, CWRD

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

Project No. : 46232-001
Amount (US \$ million) : 0.7
Executing Agencies : Asian Development Bank
Sector : Public sector management

Status: Board approved on 22 January 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 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

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

VIETNAM

A. Capacity Building for River Basin Water Resources Planning

Project No. : 41466-012
Amount (US \$ million) : 1
Executing Agencies : Ministry of Natural Resources and Environment
Sector : Multisector

Status: Board approved on 17 January 2013

Description: The technical assistance (TA) will support the Ministry of Natural Resources and Environment's (MONRE) adoption of integrated water resources management (IWRM) principles through: (i) continued support for the revision of the LWR, and (ii) the establishment of planning tasks leading to a sector strategy and investment program for the development of the Red-Thai Binh river basin water resources. The main outputs will be the documents needed for the submission of the amended LWR by March 2011 and the planning tasks by June 2012.

Project Rationale and Linkage to Country/Regional Strategy: The TA is consistent with ADB's existing Country Partnership Strategy for Viet Nam (2007-2010), the midterm review of which called for an IWRM approach to planning strategies and work practices with ADB placing a strong focus on institutional development in conjunction with water resources infrastructure. This follows from the support provided under TA4903-VIE: Water Sector Review, which identified key water management issues and led to the formulation of Government's NTP, which specifies objectives in relation to eight programs and identifies the priority river basins. However, the elaboration of river basin development strategies and investment programs is the next step and will be addressed by the TA for the Red-Thai Binh River Basin. The TA will also continue the support for the revision of the LWR, which started under TA3892-VIE: Second Red River Basin Sector Project but closes with completion of the grant from the Netherlands at the end of October 2010. The continued support is needed to finalize the draft LWR and related documents for submission to the National Assembly in March 2011. The TA is consistent with the draft Assessment Strategy and Roadmap (ASR) for the Agriculture, Natural Resources and Environment (ANRE) Sector, which includes Natural Resources and Environment as one of the three major support areas in the ANRE Sector Development Forward Strategy. The TA will also add value to ADB's program for Viet Nam and has the potential to strengthen international cooperation with IDPs who are also working for the development of the country's water resources sector through institutional and operational capacity development.

Impact: Better management and development of the water resources sector

Outcome: Greater capacity of the Ministry of Natural Resources and Environment (MONRE) to support policy initiatives and implement investment projects

Outputs:

- Guidelines and regulations on establishing minimum flows in rivers prepared
- Planning tasks for the development of water resources of the Red-Thai Binh river basin formulated
- Documents for submission of the amended LWR prepared

Business Opportunities

- **Consulting Services:** The TA will require about 54 person-months of consulting services, consisting of 14 person-months international and 40 person-months national inputs for services over an implementation period of 20 months with an additional 3 months for TA closing. Existing consultants currently supporting the LWR will be extended through the firm contracted for this purpose by single source selection as the tasks involved represent a natural continuation of previous work carried out by the firm. The firm currently supporting the revision of the LWR is Kellogg Brown & Root Pty Ltd of Australia. The firm's main role under the capacity development technical assistance (CDTA) is to provide the same six (6) consultants (5 nationals and 1 international) to continue work on the revision of the LWR, which commenced in early 2009 and has proceeded effectively with their support. The consultants to be employed on the formulation of sector strategy and investment program for the development of water resources in the Red-Thai Binh river basin will be recruited by individual consultant selection (ICS) and directly contracted by ADB. All consultants will be selected in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). Any procurement under the TA will be done in accordance with ADB's Procurement Guidelines (2010, as amended from time to time). All disbursements under the TA will be done in accordance with the ADB's Technical Assistance Disbursement Handbook (May 2010, as amended from time to time).
- **Procurement:** To be determined

Responsible ADB Officer: Dennis Ellingson (E-mail: dellingson@adb.org)
Southeast Asia Department
Environment, Natural Resources & Agriculture Division, SERD

IV. GRANT

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 23 August 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)
Southeast Asia Department
Human and Social Development Division, SERD

NEPAL

Skills Development Project

Grant No. : 0345
Project No. : 38176-015
Amount (US \$ million) : 20
Executing Agencies : Ministry of Education
Sector : Education

Status: Board approved on 25 June 2013

Description: The project will help the government implement key aspects of the Technical and Vocational Education and Training (TVET) Policy, 2012. The project will help the government (i) initiate strategic reforms that aim to improve overall management and performance of the TVET system, (ii) improve the quality and relevance of public training, and (iii) increase private sector engagement in training delivery and job placement. Each intervention has been designed to increase the efficiency and results orientation of TVET, making it more market-driven. The project will focus on skills development for the construction, manufacturing, and services sectors where large skill gaps exist. The project period is for five years from 2013 to 2018.

Impact: Increased employability of the Nepalese workforce

Outcome: A market-responsive and social and gender-inclusive TVET system established

Outputs:

- Expanded provision of inclusive market-oriented training Improved quality and relevance of TVET provision
- Policy, institutional and operational reforms
- Effective project management and M&E

Business Opportunities

- **Consulting Services:** The project will recruit several consulting firms, i.e. (i) project implementation and technical support; (ii) third party monitoring service; and (iii) tracer study to support the implementation of project. The project implementation and technical support will be engaged using the quality- and cost-based selection (QCBS) method and the rest using consultant qualification selection method. The project will engage training and employment service providers from private sector to deliver training and employment services for 36,000 seats across five regions of Nepal over the project implementation period. The training and employment service providers will be procured through about 10 contracts using QCBS, too. All consulting services under the project will be procured in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
- **Procurement:** There will be procurement package eligible for international competitive bidding (works for \$1 million or over or goods for \$500,000 or over). The project will procure: (i) 2 contracts for civil work (refurbishment of training institutions) through national competitive bidding; (ii) 6 contracts for civil work (refurbishment) through shopping; and (iii) 9 contracts for equipment and tools for training institutions, vehicles, motorbikes, and office equipment and furniture through shopping. All procurement under the project will follow ADB's Procurement Guidelines (2010, as amended from time to time).

Responsible ADB Officer: Gi Soon Song (E-mail: gssong@adb.org)
South Asia Department
Human and Social Development Division, SARD

TAJKISTAN

Building Climate Resilience in the Pyanj River Basin

Grant No. : 0352
Project No. : 45354-002
Amount (US \$ million) : 21.55
Executing Agencies : Ministry of Finance
Ministry of Water Resources
Khochagii Manziliyu Kommunalii

Sector : Multisector

Status: Board approved on 25 July 2013

Description: The project aims to increase resilience to climate vulnerability and change of communities in the Pyanj River Basin. The project's impact will be improved livelihoods of Pyanj River Basin communities vulnerable to climate variability and change. The project's outcome will be reduced adverse effects of climate variability and climate change in 59 villages in 19 jamoats in the Pyanj River Basin. The project implementation period is 2013 to 2019.

The project has four outputs:

- Output 1 is flood protection infrastructure climate-proofed in 10 jamoats. It will: (i) upgrade and climate-proof flood and mudflow protection infrastructure in 10 locations, including riverbank reinforcement, embankment reconstruction, restoration of stream beds, terracing and planting of trees, and soil stabilization; (ii) establish O&M practices, develop O&M guidelines, and train local units of the responsible agencies; (iii) develop early warning communication systems through the use of modern technologies; (iv) establish disaster risk management committees; and (v) conduct training and disseminate information on the impact of climate change and adaptation measures for local government officials and local institutions such as khashar (mutual self-help groups), mahala (neighborhood associations), and women's committees.
- Output 2 is irrigation systems climate-proofed in eight jamoats. It will: (i) rehabilitate and climate-proof irrigation canals and network assets, including reconstruction and de-silting of drainage and delivery channels and rehabilitation of pumping stations; (ii) pilot a drip irrigation scheme; (iii) strengthen water users associations; and (iv) provide advice and disseminate information on water resources management and climate-resilient agricultural practices to farmers, local government officials, women's groups, and other stakeholders.
- Output 3 is water supply infrastructure climate-proofed in seven jamoats. It will: (i) rehabilitate and climate-proof seven rural drinking water supply systems, including rehabilitation, upgrade, and construction of boreholes, provision of new and rehabilitated pumping equipment, and construction of new service reservoirs and water tanks; (ii) establish O&M practices for drinking water supply systems, develop O&M guidelines, and train local units of the responsible agencies; (iii) establish drinking water consumer groups to influence responsible agencies and ensure performance of the water supply facilities; and (iv) raise awareness of health and other risks associated with climate change.
- Output 4 is micro credits and micro deposits made available to promote climate resilience in the Pyanj River Basin. It will: (i) expand capacity of participating financial institutions (PFIs) in the Pyanj River Basin to accept micro and small deposits and provide micro loans in support of

climate-resilient economic activities; (ii) provide credit lines for agricultural improvements (climate-resilient agriculture credit line) and economic diversification (income diversification credit line), particularly targeting women; (iii) strengthen financial literacy of the local population; and (iv) assess the feasibility of collateral insurance linked to credit and, if appropriate, pilot a credit insurance scheme.

Impact: Improved livelihoods of Pyanj River Basin communities vulnerable to climate variability and change

Outcome: Adverse effects of climate variability and climate change reduced in 59 villages in 19 Jamoats in the Pyanj River Basin

Outputs:

- Flood protection infrastructure is climate proofed in 10 jamoats
- Irrigation systems are climate-proofed in 8 Jamoats
- Water supply infrastructure is climate-proofed in 7 Jamoats
- Micro-credit and microdeposit established to promote climate resilience

Business Opportunities

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

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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

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Pakistan Islamabad	<p>U.S. Embassy Diplomatic Enclave, Ramna 5 Islamabad, Pakistan Tel.: (92-51) 2080000; Fax: (92-51) 2276-427 <i>Richard E. Hoagland, Chargé d'affaires</i></p>	<p>U.S. Commercial Service American Embassy, Diplomatic Enclave Ramna-5, Islamabad, Pakistan Tel.: 011-92-51-2080-2530; Fax: 011-92-51-282-3981 <i>Mr. James Fluker, Commercial Officer</i> E-mail: James.Fluker@trade.gov <i>Mr. Tariq Sayeed, Senior Commercial Specialist</i> E-mail: Tariq.Sayeed@trade.gov</p>
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COUNTRY	EMBASSY POST	COMMERCIAL POST
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MULTILATERAL DEVELOPMENT BANKS	ADDRESS	COMMERCIAL POST
Asian Development Bank	Asian Development Bank 6 ADB Avenue, Mandaluyong City Metro Manila 0401, Philippines Tel.: (63-2) 632-4444 ext. 6051 Fax: (63-2) 632-4003; 632-2084 Website: www.adb.org <i>Amb. Robert Orr, U.S. Executive Director</i>	U.S. Commercial Service Liaison Office to the ADB U.S. Embassy –NOX 2 1201 Roxas Boulevard Ermita, Manila 1000 Philippines Tel.: (63-2) 516 5093; Fax: (63-2) 516 6958 <i>Ms. Margaret Keshishian, Senior Commercial Officer</i> E-mail: Margaret.Keshishian@trade.gov

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U.S. Commercial Service Liaison Office to the Asian Development Bank (CS ADB) and the U.S. Executive Directors to the ADB Office (USED)

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

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U.S. mailing address:

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
Phone: (63-2) 516 5093; Fax: (63-2) 516 6958
E-mail: Office.ManilaADB@trade.gov

For More Information

The U.S. Commercial Service Liaison Office to the Asian Development Bank, located in Makati City, Philippines can be contacted via e-mail at: Office.ManilaADB@trade.gov; Phone: 632 887-1345; Fax: 632 887-1164; or visit our website: <http://export.gov/adb>

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