



# Asian Development Bank Liaison Office INTERNATIONAL MARKET INSIGHTS

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## ASIA & PACIFIC: INTERNATIONAL MARKET INSIGHTS

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This International Market Insight (IMI) is a compilation of development projects funded by the Asian Development Bank (ADB). It is distributed monthly to alert U.S. firms to consulting and other procurement opportunities resulting from ADB loan projects, technical assistance (TA) and grants. In 2015, ADB provided \$15.45 billion for loans, \$365 million for grants and \$141 million for TA.<sup>1</sup> This IMI can be your firm's link to these opportunities.

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<sup>1</sup> *Statement of the Asian Development Bank's Operations in 2015*

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I. PROJECT LIST BY SECTOR

Country	Projects	ADB Assistance
<b>AGRICULTURE and NATURAL RESOURCES SECTOR</b>		
Afghanistan	<a href="#">Panj-Amu River Basin Sector Project</a>	Approved grant
Cambodia	<a href="#">Third Rural Water Supply and Sanitation Services Sector Development Program</a>	Approved TA
China	<a href="#">Shanxi Inclusive Agricultural Value Chain Development</a>	Approved TA
Thailand	<a href="#">Strengthening Integrated Water Resource Planning and Management at River Basin Level</a>	Approved TA
<b>EDUCATION SECTOR</b>		
Kyrgyz	<a href="#">Skilling and Entrepreneurship for Inclusive Growth Sector Development Program</a>	Approved TA
Laos	<a href="#">Second Strengthening Technical and Vocational Education and Training Project</a>	Approved grant
Regional	<a href="#">Higher Education in the Pacific Investment Program - Tranche 2</a>	Approved loan, grant
<b>ENERGY SECTOR</b>		
Indonesia	<a href="#">Pilot Carbon Capture and Storage Activity in the Natural Gas Processing Sector</a>	Approved TA
Regional	<a href="#">Distributed Energy Storage Solutions Project</a>	Assistance to private sector
<b>ENVIRONMENT SECTOR</b>		
Cambodia	<a href="#">Second Integrated Urban Environmental Management in the Tonle Sap Basin Project</a>	Approved TA
Indonesia	<a href="#">Sewerage System Development Project</a>	Approved TA
Kiribati	<a href="#">South Tarawa Water Supply Project</a>	Approved TA
Kiribati	<a href="#">South Tarawa Sanitation Improvement Sector Project-Additional Financing</a>	Approved grant
Vietnam	<a href="#">Ho Chi Minh City Wastewater and Drainage System Improvement Project</a>	Approved TA
<b>INDUSTRY, FINANCE, and OTHER SECTORS</b>		
China	<a href="#">Enhancing Competition in Public Service Delivery</a>	Approved TA
India	<a href="#">Solar Rooftop Investment Program - Tranche 1</a>	Approved loan
Kazakhstan	<a href="#">Supporting Resilience of Micro, Small, and Medium-Sized Enterprises Finance Project</a>	Approved loan
Mongolia	<a href="#">Gender-Responsive Sector and Local Development Policies and Actions</a>	Approved TA
Papua New Guinea	<a href="#">Supporting Public Financial Management (Phase 3)</a>	Approved TA
Sri Lanka	<a href="#">Capital Market Development Program</a>	Approved loan, TA
<b>TRANSPORTATION and COMMUNICATIONS SECTOR</b>		
Armenia	<a href="#">Armenia-Georgia Border Regional Road (M6 Vanadzor-Bagratashen) Improvement Project</a>	Approved loan
Bangladesh	<a href="#">South Asia Subregional Economic Cooperation Chittagong-Cox's Bazar Railway Project, Phase 1 - Tranche 1</a>	Approved loan, TA
China	<a href="#">Ningxia Liupanshan Poverty Reduction Rural Road Development Project</a>	Approved loan
China	<a href="#">Shandong Spring City Green Modern Trolley Bus Demonstration</a>	Approved TA
Georgia	<a href="#">East-West Highway (Khevi-Ubisa Section) Improvement Project</a>	Approved TA
<b>URBAN DEVELOPMENT SECTOR</b>		
China	<a href="#">Qinghai Haidong Urban-Rural Eco Development Project</a>	Approved loan
Georgia	<a href="#">Urban Services Improvement Investment Program -Tranche 6</a>	Approved loan

## II. LOANS

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

### ARMENIA

#### Armenia-Georgia Border Regional Road (M6 Vanadzor-Bagratashen) Improvement Project

**Loan No.** : 3449-ARM  
**Project No.** : 49244-002  
**Amount (US \$ million)** : 106  
**Executing Agency** : Ministry of Transport, Communication and Information Technologies  
**Sector** : Transport  
**Sub Sector** : Road transport (non-urban)

Responsible ADB Officer: Jiangbo Ning, Central and West Asia Department, Transport and Communications Division

Status: ADB Board approved on 28 October 2016.

Description: The proposed project will improve a strategic regional link between Armenia (Vanadzor) and Georgia Border (Bagratashen), one of the most heavily traveled roads for internal and external trade. It will rehabilitate and upgrade 51.5 kilometers (km) of the two-lane M6 highway from Vanadzor to the border with Georgia at Bagratashen, improve facilities and safety along and in the vicinity of this road section in northern Armenia, strengthen the institutional capacity of the Ministry of Transport and Communications (MOTC).

#### Business Opportunities

- Consulting Services: All consulting services to be financed will be recruited following ADB's Guidelines on the Use of Consultants.
- Procurement: All goods and works to be financed will be recruited following ADB's Procurement Guidelines.

### BANGLADESH

#### South Asia Subregional Economic Cooperation Chittagong-Cox's Bazar Railway Project, Phase 1 - Tranche 1

**Loan No.** : 3438-BAN; 3439-BAN  
**TA No.** : 9193-BAN  
**Project No.** : 46452-003  
**Amount (US \$ million)** : 301  
**Executing Agency** : Bangladesh Railway  
**Sector** : Transport  
**Sub Sector** : Road transport (non-urban)

Responsible ADB Officer: Roesner, Markus, South Asia Department, Transport and Communications Division

Status: ADB Board approved on 30 September 2016.

Description: The SASEC Chittagong-Cox's Bazar Railway Project, Phase 1 (the Project) will support the government of Bangladesh in constructing the new, 102 kilometers (km) Dohazari-Cox's Bazar section of the Chittagong-Cox's Bazar railway corridor in southeastern Bangladesh. The government is upgrading

the 47 km section Chittagong-Dohazari with its own funds. The project will also strengthen the capacity of the railway sector in project management and implementation. By connecting the Cox's Bazar district to Bangladesh's railway network, the project will not only boost the national economy through further development of Cox's Bazar into a major tourist destination, but also facilitate access for the population and products to subregional markets and trade. The Chittagong-Cox's Bazar railway corridor is part of the Trans-Asia Railway network. The project has been endorsed by the SASEC trade facilitation and transport working group meeting held in Tokyo on 26 November 2015.

#### Business Opportunities

- **Consulting Services:** All consultants will be recruited according to ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). Two consulting firms will be recruited under the loan, namely for construction supervision and project management. For the construction supervision consulting contract, an estimated 4,056 person-months (653 international, 3,403 national) of consulting services are required; for the project management consulting contract, an estimated 1,860 national person-months of consulting services are required. Consulting firms will be engaged using the quality- and cost-based selection (QCBS) method with a standard quality cost ratio of 90:10. This is to ensure high quality of consulting firms recruited for the highly specialized tasks to supervise and manage a multidisciplinary greenfield railway project.
- **Procurement:** All advance contracting and retroactive financing will be undertaken in conformity with ADB Procurement Guidelines (2015, as amended from time to time) and ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The issuance of invitations to bid under advance contracting and retroactive financing will be subject to ADB approval. The borrower and Bangladesh Railway have been advised that approval of advance contracting and retroactive financing does not commit ADB to finance the project.

Advance contracting will be carried out for goods and services, works, and consulting services.

Retroactive financing for eligible expenditures up to the equivalent of 20% of each ADB loan under the Facility, incurred before loan effectiveness, but not more than 12 months before the signing of the loan agreement.

Bangladesh Railway has adequate organizational and staff capacity to carry out procurement of goods, works and consulting services and strong experience with the procurement for government and donor-funded projects; Bangladesh Railway has also successfully completed recent works projects and hence, has good experience in contract management. All bids and proposals are evaluated by BR's Tender Evaluation Committee (TEC) and Proposals Evaluation Committee (PEC) comprising five qualified and experienced in-house members together with two external members from organizations outside the communication sector. The procurement approval process is well-defined and simplified and involves reasonable time till award of contracts. Bangladesh Railway has already established a PIU and appointed a project director for the project, who have initiated procurement steps under the advance contracting modality. ADB will play an active facilitation role in the bidding process to ensure timeliness and quality in the process, and will engage its own consultants to help with this work.

All procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time). The civil works contract for construction of the Chittagong Cox's Bazar railway project will be procured in accordance with the international competitive bidding procedure with ADB's prior review of bid documents and major steps in the procurement process during bid evaluation. Supply contracts to continue supporting the implementation of the railway reform project will be procured in accordance with the international competitive bidding procedure with ADB's prior review of bid documents and major steps in the procurement process during bid evaluation.

## CHINA

### A. Ningxia Liupanshan Poverty Reduction Rural Road Development Project

**Loan No.** : 3444-PRC  
**Project No.** : 48023-003  
**Amount (US \$ million)** : 100  
**Executing Agency** : Ningxia Hui Autonomous Region Government  
**Sector** : Transport  
**Sub Sector** : Road transport (non-urban)

Responsible ADB Officer: Masahiro Nishimura, East Asia Department, Transport and Communications Division

Status: ADB Board approved on 21 October 2016.

#### Project Outputs:

- Priority rural roads rehabilitated and upgraded
- Rural road safety and sustainability enhanced
- Impact evaluation conducted and project implementation capacity improved

#### Business Opportunities

- Consulting Services: All consulting services to be financed will be recruited following ADB's Guidelines on the Use of Consultants.
- Procurement: All goods and works to be financed will be recruited following ADB's Procurement Guidelines.

### B. Qinghai Haidong Urban-Rural Eco Development Project

**Loan No.** : 3443-PRC  
**Project No.** : 48102-002  
**Amount (US \$ million)** : 150  
**Executing Agency** : Haidong Municipal Government  
**Sector** : Agriculture, natural resources and rural development; Water and other urban infrastructure and services  
**Sub Sector** : Forestry - Land-based natural resources management - Rural flood protection - Rural solid waste management - Rural water supply services - Urban flood protection - Urban policy, institutional and capacity development - Urban solid waste management - Urban water supply

Responsible ADB Officer: Kristina N. Katich, Department East Asia Department, Urban and Social Sectors Division

Status: ADB Board approved on 19 October 2016.

Description: Qinghai Province, situated mostly on the Qinghai -Tibetan plateau in northwestern PRC, has long been home to a number of ethnic groups due to its location along the old Silk Road. Ethnically diverse and featuring a beautiful and rugged landscape with mountains and pastures, Qinghai is the source of the Mekong, Yangtze, and Yellow rivers, making it a socially and environmentally significant province for the PRC. Given the fragile terrain, Qinghai is promoting urbanization within a northeastern corridor linking its capital, Xining, to Lanzhou, in Gansu Province. While protecting its natural resources, Qinghai also aims to protect urban areas from natural hazards such as flash flooding, which has increased in cities across the PRC as a result of impermeable paved surfaces, deforestation, poor waterway management, and an overall decrease in natural water collection areas.

Haidong, the second-largest city in Qinghai, is located within this corridor, immediately east of Xining. A City of 1.7 million residents (30.0% of Qinghai's total population of 5.7 million), Haidong upgraded to a prefecture-level city in 2013, denoting its importance in regional development. Haidong has two districts Ping'an and Ledu and four counties. Both districts straddle the Huangshui River, an important tributary of the Yellow River. Strengthening the ecological function of the Huangshui River to protect these critical watersheds is an urgent priority. This involves managing flood risks, reducing soil erosion, improving water quality and availability, increasing climate change resilience, and limiting urban expansion.

#### Business Opportunities

- **Consulting Services:** Project management consulting services and capacity development services will be recruited according to ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The PMO will be responsible for engaging consultants for relevant services. An estimated 234 person-months (37 international and 197 national) of consulting services are required for (i) project implementation and institutional strengthening support; (ii) external resettlement and social monitoring; (iii) initial project implementation support; (iv) climate-resilient water resources management planning support; (v) landfill operation and maintenance (O&M) and solid waste management support; and (vi) wetland O&M and forest management support. The consulting firm will be engaged using the quality- and cost-based selection (QCBS) method with a standard quality: cost ratio of 80:20 using full technical proposal procedure, consultant's qualifications selection method (CQS), and individual consultant selection method (ICS) methods.
- **Procurement** A procurement plan indicating procurement or selection methods, estimated costs of contracts, thresholds and review procedures for goods, works, and consulting service contract packages is prepared and summarized below. The procurement plan shall be executed in the manner in which it has been approved by ADB. The procurement plan shall be updated annually or as needed throughout the duration of the project. The contract packages are categorized into three categories including Goods, Works, and Consulting Services. The Works contracts are mainly in the areas of water supply, water reclamation, landfill, river rehabilitation, wetland and afforestation, which are common in China and in Qinghai Province. Some of the equipment and materials are included in the works contracts to reduce contract interfaces and minimize the contract management risks, based on the nature of the equipment and materials and their interaction with relevant works. Others equipment and materials that are independent of the civil works are listed as Goods contracts. The technical assistance and studies designed to strengthen the capacity of the PMO and implementing agencies during implementation and O&M of the project are packaged into consulting service contracts.

## **GEORGIA**

### **Urban Services Improvement Investment Program -Tranche 6**

**Loan No. : 3441-GEO**  
**Project No. : 43405-028**  
**Amount (US \$ million) : 99**  
**Executing Agency : Ministry of Regional Development and Infrastructure of Georgia**  
**Sector : Water and other urban infrastructure and services**  
**Sub Sector : Urban sanitation - Urban water supply**

Responsible ADB Officer: Massimo Petrone, Central and West Asia Department, Urban Development and Water Division

Status: ADB Board approved on 4 October 2016.

Description: Project 6 will finance the water supply and sanitation systems in Marneuli, Bolnisi, and Chiatura. The first component includes construction of: (i) water supply and sewerage systems, including a new sewage treatment plant (STP) in Marneuli; (ii) the sewerage system, including a new STP in

Bolnisi; and (iii) the water supply system and a new STP in Chiatura. Project 6 will benefit approximately a population of 37,380 in Marneuli, 9,000 in Bolnisi, and 15,400 in Chiatura. The second component includes project implementation support.

#### Business Opportunities

- Consulting Services: One QCBS Construction supervision consultancy contract (331 person-months) estimated at \$4.72 million; one LCS Auditor consultancy contract (12 person-months) estimated at \$0.59 million
- Procurement: One ICB civil works contract for Marneuli sewerage system including sewerage system in Bolnisi (\$68.44 million); one ICB design, build and operate contract for sewage treatment plant in Marneuli, Bolnisi and Chiatura (\$24.19 million); One ICB civil works contract for Chiatura water supply system (\$11.80 million)

## INDIA

### **Solar Rooftop Investment Program - Tranche 1**

**Loan No. : 8309-IND**  
**Project No. : 49419-002**  
**Amount (US \$ million) : 100**  
**Executing Agency : Punjab National Bank**  
**Sector : Finance**  
**Sub Sector : Finance sector development**

Responsible ADB Officer: Anqian Huang, South Asia Department, Public Management, Financial Sector and Trade Division

Status: ADB Board approved on 7 October 2016.

Description: The proposed tranche 1 is a \$100 million financial intermediation loan inclusive of a capacity development technical assistance (estimated utilization of the TA during tranche 1 is \$2 million). As requested by the Government of India, Punjab National Bank would be the borrower, and the India would provide a sovereign guarantee to the Asian Development Bank for the SRIP. The SRIP intends to primarily finance large solar rooftop systems on industrial and commercial buildings on standalone or aggregated basis. Punjab National Bank's loans to sub-borrowers will be priced based on Punjab National Bank's cost of funds and subproject-specific risks. The proposed accompanying technical assistance for \$5 million is critical to integrate the building blocks of the Government of India's sector development initiative to ensure a viable market demand, by strengthening (i) Punjab National Bank's institutional capacity, and (ii) certain market development elements. SRIP's value addition, inclusive of \$330 million from ordinary capital resources and \$170 million from Clean Technology Fund, is to facilitate India's transition to a low carbon economy and therefore contribute to the climate change goal of reducing greenhouse gas emissions by 441,700 tons of carbon dioxide equivalent annually, or about 11 million tons of carbon dioxide equivalent over the typical 25-year lifetime of rooftop solar systems.

#### Business Opportunities

- Consulting Services: All procurement to be financed under the multi-tranche financing facility would be carried out in accordance with Asian Development Bank (ADB)'s Procurement Guidelines (2015, as amended from time to time), following stated eligibility criteria. ADB encourages Punjab National Bank to require its sub-borrowers to adopt internationally competitive bidding procedures to the extent possible when the amount of the investment is unusually large and economy and efficiency can be gained through such procedures. For procurement of goods and services to be financed by sub-loans from the ADB loan, Punjab National Bank would ensure that prices are reasonable and that relevant factors, e.g., time of delivery, efficiency, reliability, suitability for the subproject, and (for consulting services) quality and competence are taken into account. Solar panels procured under the India domestic content

requirement would not be eligible for financing under the Solar Rooftop Investment Program. ADB loan proceeds would be disbursed in accordance with ADB's Loan Disbursement Handbook (2015, as amended from time to time). ADB may provide Punjab National Bank with United States dollars as the currency of payment.

- Procurement: All procurement to be financed under the multi-tranche financing facility would be carried out in accordance with Asian Development Bank (ADB)'s Procurement Guidelines (2015, as amended from time to time), following stated eligibility criteria. ADB encourages Punjab National Bank to require its sub-borrowers to adopt internationally competitive bidding procedures to the extent possible when the amount of the investment is unusually large and economy and efficiency can be gained through such procedures. For procurement of goods and services to be financed by sub-loans from the ADB loan, Punjab National Bank would ensure that prices are reasonable and that relevant factors, e.g., time of delivery, efficiency, reliability, suitability for the subproject, and (for consulting services) quality and competence are taken into account. Solar panels procured under the India domestic content requirement would not be eligible for financing under the Solar Rooftop Investment Program. ADB loan proceeds would be disbursed in accordance with ADB's Loan Disbursement Handbook (2015, as amended from time to time). ADB may provide Punjab National Bank with United States dollars as the currency of payment.

## KAZAKHSTAN

### Supporting Resilience of Micro, Small, and Medium-Sized Enterprises Finance Project

**Loan No.** : 3447-KAZ  
**TA No.** : 9214-KAZ  
**Project No.** : 49076-005  
**Amount (US \$ million)** : 201  
**Executing Agency** : Asian Development Bank, DAMU Entrepreneurship Development Fund  
**Sector** : Finance  
**Sub Sector** : Small and medium enterprise finance and leasing

Responsible ADB Officer: Martinez, Inmaculada, Central and West Asia Department, Public Management, Financial Sector and Trade Division

Status: ADB Board approved on 27 October 2016.

Description: The financial intermediation loan to the Republic of Kazakhstan for the Supporting Resilience of Micro, Small, and Medium-Sized Enterprises (MSMEs) Finance Project will provide local currency credit to sustain operations of and employment by MSMEs during the current economic slowdown. The technical assistance attached to the loan will strengthen credit origination and management of selected participating financial institutions to better serve MSMEs.

Despite robust economic growth in the recent past, Kazakhstan's economy remains vulnerable to external shocks because of its limited and declining economic diversification. The economy is highly dependent on extractive industries. Sustained and balanced growth will depend on economic diversification into higher productivity and value-added activities, and this is at the top of the government's agenda. MSMEs are seen as key actors in these transformation efforts.

#### Business Opportunities

- Consulting Services: Consultants under the technical assistance attached to the loan will be engaged by ADB in accordance with the Guidelines on the Use of Consultants (2013, as amended from time to time). An estimated 12 person-months of international consultants and 20 person-months of national consultants will be required. The consultants will be engaged through a firm using the consultant qualification selection (CQS) method.
- Procurement: Not applicable.

## REGIONAL

### Higher Education in the Pacific Investment Program - Tranche 2

**Loan No.** : 3445-REG  
**Grant No.** : 0505-REG  
**Project No.** : 42291-026  
**Amount (US \$ million)** : 16.9  
**Executing Agency** : The University of the South Pacific  
**Sector** : Education  
**Sub Sector** : Tertiary

Responsible ADB Officer: Chimi Thonden, Pacific Department, Urban, Social Development & Public Management Division

Status: ADB Board approved on 21 October 2016.

Description: Project 2 (with additional financing) will support the expansion of the University of the South Pacific (USP) regional campus in Solomon Islands to a new location in Honiara, at the King George VI School grounds, about 4 kilometers east of the existing campus. The scope of Project 2 includes: (i) construction of classrooms, an ICT studio, science laboratories, faculty offices, administrative facilities, and a clean energy component supporting a solar photo-voltaic system; (ii) enhancement of ICT-based education; (iii) improvement of student support services; (iv) strengthening of USP governance and management; and (v) strengthening project management capacity of USP staff who will be involved in project implementation. Project 2 will enable the USP regional campus in Solomon Islands to accommodate an increasing demand for higher education, improve the quality of education through the use of ICT and adoption of distance flexible learning, and increase course offerings especially in the field of public health which is the anchor program for the campus. It will also help improve USP student services through provision of pre-enrollment information and career counseling, strengthening governance and management capacity of USP (improved data collection and analysis of USP activities and human resources), and strengthening capacity of USP personnel to effectively manage project activities.

#### Business Opportunities

- Consulting Services: All consultants financed by ADB will be engaged according to ADB's Guidelines on the Use of Consultants (2013 as amended from time to time).
- Procurement: All procurement of goods and civil works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

## SRI LANKA

### Capital Market Development Program

**Loan No.** : 3446-SRI  
**TA No.** : 9213-SRI  
**Project No.** : 49365-002  
**Amount (US \$ million)** : 252  
**Executing Agency** : Ministry of Finance  
**Sector** : Finance  
**Sub Sector** : Money and capital markets

Responsible ADB Officer: Donald J. Lambert, South Asia Department, Public Management, Financial Sector and Trade Division

Status: ADB Board approved on 26 October 2016.

Description: The specific objective of the proposed Capital Market Development Program (CMDP) is the enhanced capacity and size of the capital market that is grounded on a strong legal and regulatory framework. The CMDP is scheduled to be approved by the Board in the fourth quarter of 2016.

#### Business Opportunities

- Consulting Services: On the attached TA, ADB will recruit at least two consulting firms and three individual consultants to provide 37.5 person-months of international and 27 person-months of national consulting services. Consultants will be recruited using the quality- and cost-based selection method with a standard quality cost ratio of 90:10 due to the highly specialized expertise needed. The consultants will be engaged by ADB in accordance with the Guidelines on the Use of Consultants (2013, as amended from time to time). All the disbursements under the TA will be made in accordance with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time). Procurement will be carried out in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).
- Procurement: No major conventional procurement is envisaged under the project.

### 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.

## CAMBODIA

### A. Second Integrated Urban Environmental Management in the Tonle Sap Basin Project

TA No. : 9203-CAM  
Project No. : 50102-001  
Executing Agency : Ministry of Public Works and Transport  
Amount (US \$ million) : 1  
Sector : Water and other urban infrastructure and services  
Subsector : Urban policy, institutional and capacity development

Responsible ADB Officer: Sameer A. Kamal, Southeast Asia Department, Urban Development and Water Division

Status: ADB Board approved on 14 October 2016.

Project details to be determined.

#### Business Opportunities

- Consulting Services: All consultants financed by ADB will be engaged according to ADB's Guidelines on the Use of Consultants (2013 as amended from time to time).
- Procurement: All procurement of goods and civil works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

## **B. Third Rural Water Supply and Sanitation Services Sector Development Program**

**TA No.** : 9199-CAM  
**Project No.** : 50101-001  
**Executing Agency** : Ministry of Rural Development  
**Amount (US \$ million)** : 1  
**Sector** : Agriculture, natural resources and rural development  
**Subsector** : Rural sanitation - Rural water policy, institutional and capacity development - Rural water supply services

Responsible ADB Officer: Sameer A. Kamal, Southeast Asia Department, Urban Development and Water Division

Status: ADB Board approved on 14 October 2016.

### Business Opportunities

- Consulting Services: A firm (or consortium of firms) with multisector experience will be engaged to undertake the necessary studies for this project preparatory TA (technical assistance). The consulting firm(s) will be engaged following the quality- and cost-based selection method, with a quality cost ratio of 90:10, using full technical proposal procedures. Procurement of all consultancy services used under the project preparatory TA will be carried out in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time).

All international consultants will have experience in working in similar assignments in developing countries. Experience in the region, preferably in Cambodia, and experience in processing and implementing projects financed by international financing institutions, will be considered. All national consultants will have experience in similar assignments and working on international development projects.

## **CHINA**

### **A. Shanxi Inclusive Agricultural Value Chain Development**

**TA No.** : 9206-PRC  
**Project No.** : 48358-002  
**Executing Agency** : Shanxi Provincial Government  
**Amount (US \$ million)** : 0.5  
**Sector** : Agriculture, natural resources and rural development  
**Subsector** : Agricultural policy, institutional and capacity development - Agro-industry, marketing, and trade

Responsible ADB Officer: Takeshi Ueda, East Asia Department, Environment, Natural Resources & Agriculture Division

Status: ADB Board approved on 14 October 2016.

Description: The Shanxi Provincial Government (SPG) requested the Asian Development Bank (ADB) to help eradicate extreme poverty and improve livelihood in the poverty-stricken areas of the province by capitalizing on the potential of agriculture sector in developing rural income-generating opportunities. The SPG particularly requested help on the implementation of the new rural development policy of the People's Republic of China (PRC) to promote agriculture-based industry for local specialty agricultural products as part of its poverty alleviation and rural development program. This is one of the priority areas of ADB's Operational Plan for Agriculture and Natural Resources improving market connectivity and value chain linkages. The project impacts will be increased inclusive economic opportunities and reduced poverty in the rural areas of Shanxi Province. The project outcome will be increased income-generating opportunities from selected local specialty agricultural products. The project particularly aims at

strengthening the production, processing, storage, and marketing of about 15 local specialty agricultural products (i.e., 15 subprojects) with untapped market potential. The project outputs are Output 1: Agricultural production, processing, storage, and marketing of selected agricultural products strengthened; Output 2: Rural infrastructure and financial services for selected agricultural production provided; and Output 3: Government capacity for inclusive rural development strengthened.

#### Business Opportunities

- Consulting Services: About 15 person-months of the Asian Development Bank (ADB) staff time will be required to prepare the project. The project preparatory technical assistance (PPTA) will require services of 12 person-months (pm) of international and 23 pm of national consultants. All consultants will be engaged through individual consultant selection method according to ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The loan fact-finding is planned in April 2017 for approval in the third quarter of 2017 to contribute to the poverty eradication target by 2020.
- Procurement: Each project county government will set up a county project management office, which will be the implementing agency responsible for project implementation, including the supervision of procurement of works and goods by the project agribusiness companies and cooperatives, in the project county.

#### **B. Shandong Spring City Green Modern Trolley Bus Demonstration**

**TA No.** : 9208-PRC  
**Project No.** : 50010-001  
**Executing Agency** : Jinan Municipal Government  
**Amount (US \$ million)** : 0.5  
**Sector** : Transport  
**Subsector** : Urban public transport

Responsible ADB Officer: Ki-Joon Kim, East Asia Department, Transport and Communications Division

Status: ADB Board approved on 14 October 2016.

Description: The proposed project aims to improve the urban transport environment in Jinan, Shandong province by reducing emissions and congestion in the city through the development of a modern trolley bus network. It will be developed and designed through a project preparatory technical assistance (PPTA) in order to verify the technical, financial, economic, social and environmental viability of the project and develop sustainable urban mobility strategies for the city, to be implemented together with the trolley bus system. The outcome of the project will be enhanced sustainable urban mobility with integrated public transport services and a zero emission trolleybus network.

The PPTA will: (i) prepare technical preliminary design of trolley bus infrastructure, trolley bus standard recommendation, trolley bus lane and stations, and trolley bus depots; (ii) conduct cost and benefit analysis, and financial analysis of the trolley bus system development and operation based on travel demand forecast; (iii) conduct a financial management assessment of the EA and IA; (iv) conduct safeguards assessments; (v) conduct emission reduction and impact analysis on health; and (vi) conduct sustainable urban mobility assessment and strategy preparation. The project will adopt a model-based approach for travel demand forecast, emission estimations, environment impact estimations and benefit estimations.

#### Business Opportunities

- Consulting Services: A combination of individuals and firms will be engaged as the TA will be implemented as a parallel effort by the ADB and CDIA. CDIA funded consulting service will be implemented from July 2016 to December 2016 and ADB funded consulting service will be implemented from October 2016 to July 2017. To improve economy, efficiency, and value for

money, all consulting services under the TA will be engaged through output-based (lump-sum) contracts. The recruitment of consultants administered by ADB will hire international and national firms and individuals using the quality-and cost-based selection method with a 90:10 quality-cost ratio in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). Simplified technical proposals will be required.

The international team will comprise: 1) team leader/public transport planner (4 person-months); 2) trolley bus specialist (2 person-months); 3) urban transport policy specialist (3 person-months); 4) travel demand modeling specialist (4 person-months); 5) traffic engineering specialist (4 person-months); 6) ICT specialist (1 person-month); 7) vehicle emissions estimation specialist (1 person-month); 8) station design architect (1 person-month); 9) transport economist and financial specialist (1 person-month); 10) environment specialist (1.5 person-months); 11) social and poverty specialist and resettlement specialist (1.5 person-months); 12) health (emission) specialist (1 person-month).

The team of national consultants will comprise: 1) public transport planner (4 person-months); 2) trolley bus specialist (4 person-months); 3) urban transport policy specialist (4 person-months); 4) travel demand modeling specialist (4 person-months); 5) traffic engineering specialist (3 person-months); 6) ICT specialist (2 person-months); 7) vehicle emissions estimation specialist (2 person-months); 8) station design architect (2 person-months); 9) transport economist and financial specialist (1 person-month); 10) environment specialist (2 person-months); 11) social and poverty specialist (2 person-months); 12) resettlement specialist (2 person-months); 13) health (emission) specialist (1 person-month).

### C. Enhancing Competition in Public Service Delivery

**TA No.** : 9196-PRC  
**Project No.** : 50147-001  
**Executing Agency** : Ministry of Finance  
**Amount (US \$ million)** : 0.6  
**Sector** : Public sector management  
**Subsector** : Public administration

Responsible ADB Officer: Bo An, East Asia Department, Public Mgt, Financial Sector and Regional Coop Division

Status: ADB Board approved on 5 October 2016.

#### Project Outputs:

- Government Procurement System Assessment Tool developed
- Policy recommendations on existing procurement system improvement drafted
- Policy Recommendations on PPP disclosure drafted
- PPP Disclosure Guideline drafted

#### Business Opportunities

- **Consulting Services:** The consultant will be hired in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time).
- **Procurement:** The proposed TA will be implemented over an 18-month period from 15 September 2016 to 15 March 2018. Under Component A, the TA will provide a total of 12 person-months inputs of individual consulting services, including one international consultant (Procurement Specialist) for 4 person-months and two national consultants (one Procurement Specialist and one Public Finance Management Specialist) for 8 person-months. Under Component B, the proposed TA will engage one international consultant (1 person-month) and three national consultants (9 person-months).

## GEORGIA

### East-West Highway (Khevi–Ubisa Section) Improvement Project

**TA No.** : 9211-GEO  
**Project No.** : 49257-002  
**Executing Agency** : Road Department-Ministry of Regional Development and Infrastructure  
**Amount (US \$ million)** : 1  
**Sector** : Transport  
**Subsector** : Road transport (non-urban)

Responsible ADB Officer: Zheng Wu, Central and West Asia Department, Transport and Communications Division

Status: ADB Board approved on 21 October 2016.

Description: The project will improve the Khevi-Ubisa section and improve operations and maintenance of the road network, as well as road safety. Further, the project's focus on climate resilient design will contribute to mainstreaming the sustainability of Georgia's road network.

#### Business Opportunities

- Consulting Services: The detailed engineering design and procurement documents for the project road will be prepared through a separate ADB-financed consulting services contract.
- Procurement: It is anticipated that the project will include two civil works contracts, one financed by ADB and the other by KEXIM, the latter tied for Korean contractors. The procurement of ADB-financed contracts will follow the international competitive bidding procedures set out in ADB's Procurement Guidelines (2015, as amended) for the project's civil works and ADB's Guidelines on the Use of Consultants (2013, as amended) for the related supervision consulting services. The KEXIM-financed contracts will be procured following KEXIM's own procurement procedures.

## INDONESIA

### A. Sewerage System Development Project

**TA No.** : 9198-INO  
**Project No.** : 49154-001  
**Executing Agency** : Dirgen of Human Settlements (CIPTA KARYA)  
**Amount (US \$ million)** : 1.16  
**Sector** : Water and other urban infrastructure and services  
**Subsector** : Urban sanitation - Urban sewerage

Responsible ADB Officer: Paulus B. van Klaveren, Southeast Asia Department, Urban Development and Water Division

Status: ADB Board approved on 7 October 2016.

Project details to be determined.

#### Business Opportunities

- Consulting Services: All consultants financed by ADB will be engaged according to ADB's Guidelines on the Use of Consultants (2013 as amended from time to time).
- Procurement: All procurement of goods and civil works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

## B. Pilot Carbon Capture and Storage Activity in the Natural Gas Processing Sector

**TA No.** : 9189-INO  
**Project No.** : 49204-002  
**Executing Agency** : Directorate General of Oil and Gas of the Ministry of Energy and Mineral Resources (MEMR)  
**Amount (US \$ million)** : 0.5  
**Sector** : Energy  
**Subsector** : Energy sector development and institutional reform

Responsible ADB Officer: Shannon C. Cowlin, Southeast Asia Department, Energy Division

Status: ADB Board approved on 29 September 2016.

Description: A project preparatory technical assistance (PPTA) is required to finalize due diligence on technical and safeguard aspects of the project and to provide procurement-related support to the executing agency. A feasibility study for the pilot was prepared under TA 8407-INO: Planning a Pilot Carbon Capture and Storage Activity, which includes a detailed technical analysis and site suitability assessment, cost estimates and financial analysis, and a risk analysis. A draft initial environmental examination was also prepared in conjunction with the development of the feasibility study. Additional safeguards, procurement, and technical due diligence is being supported under TA 8714-REG: Promoting Carbon Capture and Storage in the People's Republic of China and Indonesia and a direct charge facility provided by the Carbon Capture and Storage Fund.

With existing resources, the Asian Development Bank (ADB) is engaging several experts to initiate the due diligence process. An international Carbon Capture and Storage (CCS) expert (2 person-months [PM]) is being hired to conduct technical due diligence and provide inputs for environmental and social safeguard due diligence. A social safeguards team (national, 3PM; international 2PM) will undertake social safeguards due diligence. And an environmental safeguards team (one national, 1.5 PM; one international 3 PM) will review the initial environmental examination, visit the site, and gather inputs from the CCS expert to update the environmental safeguards due diligence and associated documentation. As these resources are expected to be insufficient to finalize the due diligence (particularly technical, environmental, and procurement), this PPTA is sought to complete the necessary project due diligence and enhance project readiness.

### Business Opportunities

- Consulting Services: ADB will engage five (5) individual consultants following Guidelines on the Use of Consultants (2013, as amended from time to time) for a total of 12 PM comprising 9 PM of international and 3 PM of national (Table A3.3). The proceeds of the TA will be disbursed in line with ADB's Technical Assistance Disbursement Handbook (May 2010, as amended from time to time). Lump-sum payments and output-based contracts will be considered for consulting services under the TA.
  - The outline terms of reference for the PPTA consultants are described in paras. 8 to 11, which builds needs identified through the previous CCS small-scale TA 7146-PRC: Capacity Strengthening in Planning and Implementation of Integrated Gasification Combined Cycle Plant.
  - Carbon capture and storage expert (international, 2 PM). The expert will have experience and qualifications related to oil and gas extraction and carbon capture and storage to include at least 5 years of working experience in the field of carbon capture and storage, preferably in the design, construction, operation, and maintenance of CCS facilities. The expert will review all project-related documents and conduct a risk assessment for the pilot that considers major technical, cost overrun, and delay risks. The expert will provide input to mitigation plans for environmental and social safeguard risks and will guide the development of the technical specifications for the bid documents. The expert will conduct industry outreach including pre-

bid workshops to encourage interest and competition in the procurement process and will participate in the technical evaluation of bids and provide inputs for subsequent negotiations.

- Environmental safeguards specialist (international, 2 PM). The environmental specialist will have expertise in environmental assessment of carbon capture, liquefaction, transport, and storage or large-scale oil and gas operations. The knowledge and practical experience with ADB environmental safeguards will be strongly preferred. The specialist will review the project feasibility study and draft initial environmental examination (IEE) and visit the project site. In close coordination with the carbon capture and storage expert, the specialist will assess the adequacy of the IEE, proposed mitigation measures, and monitoring requirements and suggest enhancements, as needed, to ensure conformity with Safeguard Policy Statement, 2009, requirements and to ensure that appropriate scope and necessary budget are adequately captured in the bidding documents.
- Procurement specialists (international, 3 PM; national, 3 PM). The procurement specialists will have at least 5 years of relevant working experience in procurement and will be familiar with both ADB and Indonesian procurement requirements. The specialists will take the lead in finalizing the procurement plan, developing the bidding documents, undertaking the bid evaluations, and supporting contract negotiations. The specialists will ensure conformity with ADB's Procurement Guidelines and provide related compliance reports.
- Oil and gas engineer (international, 2 PM). The engineer should have more than 5 years of experience in large-scale oil and gas operations, preferably in the design, construction, operation, and maintenance of natural gas exploration, extraction, processing, storage, and transport. Familiarity with carbon capture and storage is a strong asset. The engineer will lead the development of the technical specifications of the bidding documents, the technical bid evaluation, and technical inputs for negotiations; this will all be undertaken in close coordination with the carbon capture and storage expert and the procurement specialists.

## KIRIBATI

### South Tarawa Water Supply Project

**TA No.** : 9200-KIR  
**Project No.** : 49453-001  
**Executing Agency** : Ministry of Finance and Economic Development  
**Amount (US \$ million)** : 0.95  
**Sector** : Water and other urban infrastructure and services  
**Subsector** : Urban water supply

Responsible ADB Officer: Alexandra L. Conroy, Pacific Department, Urban, Social Development & Public Management Division

Status: ADB Board approved on 7 October 2016.

Description: The Government of Kiribati has requested the Asian Development Bank (ADB) for a project preparatory technical assistance (TA) to prepare the South Tarawa Water Supply Project. The TA is required to: (i) assist the Public Utilities Board (PUB) and the Ministry of Public Works and Utilities (MPWU) to plan, design and prioritize investments to improve water supply services in South Tarawa; (ii) assess technical suitability, economic, financial and social viability, capacity and institutional issues, climate change resilience and environmental and social soundness of the project, and (iii) identify measures to strengthen project implementation capacity of PUB and MPWU.

#### Business Opportunities

- Consulting Services: ADB will provide consultants and management of the PPTA. The total consultant input is estimated at 36 person-months, comprising 24 person-months from international consulting services and 12 person-months from national consulting services and will be provided over a period of 12 months. The firm will be engaged in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time) using the quality- and cost-based selection procedures (90:10) and a simplified technical proposal. Disbursements under the TA will be done in accordance with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time).
- Procurement under the project will be carried out in accordance with ADB's Procurement Guidelines (2015, as amended from time to time). All contracts for civil works equal to or exceeding \$3.0 million will be awarded following international competitive bidding (ICB) procedures. Civil works contracts below \$3.0 million will be awarded following national competitive bidding procedures. ADB will not be committed to financing contracts awarded without prior ADB approval.

## **KYRGYZ**

### **Skilling and Entrepreneurship for Inclusive Growth Sector Development Program**

**TA No. : 9212-KGZ**  
**Project No. : 50024-001**  
**Executing Agency : Ministry of Education and Science**  
**Amount (US \$ million) : 252**  
**Sector : Education**  
**Subsector : Education sector development - Technical and vocational education and training**

Responsible ADB Officer: Fabian Patrick Mayr, Central and West Asia Department

Status: ADB Board approved on 22 October 2016.

Description: The Project Preparatory Technical Assistance (PPTA) is intended to design a project that produces TVET graduates with skills that increasingly match the need for highly skilled workers by the current and future job market. This will reduce unemployment among skilled youth and transform them into the working non-poor.

#### Business Opportunities

- Consulting Services: Consultants will be engaged through a firm by use of performance based terms of reference (TOR). ADB will select and engage consultants in accordance with ADB's Guidelines on the Use of Consultants (March 2013, as amended from time to time). The quality and cost-based selection (QCBS) using full technical proposal procedures will be used for hiring a consulting firm. The quality and cost ratio for QCBS will be 90:10. Inputs by the consultant firm may be augmented by a number of resource persons as needed, to be recruited by ADB in accordance with ADB's procurement guidelines.
- Procurement: The consultants may procure equipment through shopping in accordance with ADB's Procurement Guidelines (March 2013, as amended from time to time). Upon completion of the PPTA, equipment procured under the PPTA will be transferred to the Executing Agency (EA).

## MONGOLIA

### Gender-Responsive Sector and Local Development Policies and Actions

**TA No.** : 9201-MON  
**Project No.** : 50093-001  
**Executing Agency** : Ministry of Labor and Social Protection  
**Amount (US \$ million)** : 0.7  
**Sector** : Multisector  
**Subsector** : Multisector

Responsible ADB Officer: Tsolmon Begzsuren, East Asia Department, Mongolia Resident Mission

Status: ADB Board approved on 11 October 2016.

Description: The project will support strengthening of capacity of the national gender machinery to implement the Gender Equality Law at national, aimag and soum levels through promotion of gender equality at political, legal, economic, social and cultural spheres, and family relations. One of the expected results is increased women's rights and security. Innovative gender-responsive and pro-poor planning, monitoring and evaluation (M&E), and gender sensitive budgeting will be piloted in 3 aimags.

#### Business Opportunities

- Consulting Services: All consultants financed by ADB will be engaged according to ADB's Guidelines on the Use of Consultants (2013 as amended from time to time).
- Procurement: All procurement of goods and civil works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

## THAILAND

### Strengthening Integrated Water Resource Planning and Management at River Basin Level

**TA No.** : 9204-THA  
**Project No.** : 50023-001  
**Executing Agency** : Department of Water Resources, Ministry of Natural Resources and Environment  
**Amount (US \$ million)** : 1  
**Sector** : Agriculture and Natural Resources  
**Subsector** : Agriculture, natural resources and rural development

Responsible ADB Officer: Luxmon Attapich, Southeast Asia Department, Thailand Resident Mission

Status: ADB Board approved on 14 October 2016.

#### Project Outputs:

- Base river basin IWRM modelling tool established
- Increased capacity of river basin personnel in river basin integrated planning

#### Business Opportunities

- Consulting Services: ADB will provide consulting inputs of 41 person-months. Three international consultants - integrated water resource management expert (4 person-months), modelling specialist (5 person-months), GIS specialist (5 person-months); and three national consultants - hydrologist (5 person-months), a water resource modelling researcher (8 person months) and a project coordinator (10 person-months) will be engaged through a firm using a fixed-budget selection method with biodata technical proposal. A national water resources advisor will be engaged as individual for 4 person-months.

## PAPUA NEW GUINEA

### Supporting Public Financial Management (Phase 3)

**TA No.** : 9209-PNG  
**Project No.** : 50204-001  
**Executing Agency** : Asian Development Bank  
**Amount (US \$ million)** : 1  
**Sector** : Public sector management  
**Subsector** : Economic affairs management - Public expenditure and fiscal management

Responsible ADB Officer: Yurendra Basnett, Pacific Department, Papua New Guinea Resident Mission

Status: ADB Board approved on 19 October 2016.

#### Project Outputs

- Prioritized spending within a sustainable fiscal envelope supported
- More effective, transparent and timely budget execution and control supported
- Fiscal and PFM reform program communicated effectively to all stakeholders

#### Business Opportunities

- Consulting Services: All consulting services to be financed will be recruited following ADB's Guidelines on the Use of Consultants.
- Procurement: All goods and works to be financed will be recruited following ADB's Procurement Guidelines.

## VIETNAM

### Ho Chi Minh City Wastewater and Drainage System Improvement Project

**TA No.** : 9205-VIE  
**Project No.** : 50107-001  
**Executing Agency** : Ho Chi Minh City People's Committee  
**Amount (US \$ million)** : 5  
**Sector** : Water and other urban infrastructure and services  
**Subsector** : Water and other urban infrastructure and services

Responsible ADB Officer: Satoshi Ishii, Southeast Asia Department, Urban Development and Water Division

Status: ADB Board approved on 14 October 2016.

Description: The project will support Ho Chi Minh City People's Committee and their government to finance sound wastewater and drainage system in the remaining catchments, thereby strengthening its foundation as the socioeconomic growth pole of southern Viet Nam. The impact of the project will be improved surface water quality and drainage capacity in HCMC. The outcome will be increased wastewater and drainage collection and treatment capacity in key catchments in HCMC. Project outputs will (i) upgrade the existing combined sewer system with interceptors; (ii) construct new separate sewer pipeline systems for storm run-off and sewage, and advanced centralized wastewater treatment plants; (iii) strengthen septage management of household septic tanks by developing a desludge and collection scheme with appropriate equipment and vehicles; and (iv) capacity building and institutional strengthening of the implementing agency for medium- and long-term strategic planning for sewage and drainage, and asset construction and management skills including private sector participation, the

operating agencies for operation and maintenance and climate resilient disaster management planning, and the local people for awareness raising.

#### Business Opportunities

- Consulting Services: In accordance with ADB's Guidelines on the Use of Consultants (2013, 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 full technical proposals.

## IV. GRANT

### AFGHANISTAN

#### Panj-Amu River Basin Sector Project

**Grant No.** : 0506-AFG; 0507-AFG  
**Project No.** : 48042-001  
**Amount (US \$ million)** : 76  
**Executing Agency** : Ministry of Finance  
**Sector** : Agriculture, natural resources and rural development  
**Subsector** : Agricultural drainage - Irrigation - Rural flood protection

Responsible ADB Officer: Giap Minh Bui, Central and West Asia Department, Environment, Natural Resources & Agriculture Division

Status: ADB Board will approve on 26 October 2016.

Description: The project will increase agricultural productivity in the Panj-Amu River Basin through improving access and use of water at farm, scheme and river levels. The project will support the government strategy, which aims to increase per-capita income and reduce poverty among rural and pastoral communities. It will improve cropping intensities, irrigated areas, and crop yields on a command area of 74,500 hectares (ha) and as a result, increase annual farm incomes in the range \$123-615 per household for over 55,000 households, and create approximately 11,000 full-time rural jobs per annum, with an estimated value of \$10.4 million. The project will also improve food security, substitute imports for wheat, and improve self-sufficiency, and increase in exports of high-value products such as fruit and nuts. The project will also create more economic opportunities for agribusiness development, particularly for input suppliers and processors of and market intermediaries for agricultural products.

#### Business Opportunities

- Consulting Services: Advance contracting is expected to recruit implementation support consultancy, feasibility study and detailed design, and works contract for three representative subprojects.
- Procurement: National Competitive Bidding (NCB, Works) for 16 contracts worth \$49.14 million; NCB (Goods) for 1 contract worth \$0.26 million; Shopping (Goods) for 16 contracts worth \$0.49 million; CPP for 32 contracts worth \$3.14 million.

## KIRIBATI

### South Tarawa Sanitation Improvement Sector Project-Additional Financing

**Grant No.** : 0502-KIR  
**Project No.** : 43072-015  
**Amount (US \$ million)** : 2.8  
**Executing Agency** : Ministry of Finance and Economic Development  
**Sector** : Water and other urban infrastructure and services  
**Subsector** : Urban sewerage

Responsible ADB Officer: Wolfgang G. Kubitzki, Southeast Asia Department, Human and Social Development Division

Status: ADB Board will approve in 17 October 2016.

Description South Tarawa is formed by a series of islets located along the southern rim of Tarawa Atoll with a total land area of just 15.76 km<sup>2</sup>. High population density, poor hygiene practices and inadequate sanitation infrastructure have contributed to a high prevalence of waterborne disease among the local population and degradation of the natural environment. The proposed Project will support improvements to the health of communities in South Tarawa. This will be achieved through enhanced community engagement in, and public awareness of, hygiene and sanitation; rehabilitation and upgrading of sanitation infrastructure; capacity development to improve sector planning, and operation and maintenance of urban water supply and sanitation services; and the creation of a sanitation maintenance fund to ensure adequate financing for sanitation infrastructure maintenance.

#### Business Opportunities

- Consulting Services: All consultants financed by ADB will be engaged according to ADB's Guidelines on the Use of Consultants (2013 as amended from time to time).
- Procurement: All procurement of goods and civil works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

## LAOS

### Second Strengthening Technical and Vocational Education and Training Project

**Grant No.** : 0503-LAO  
**Project No.** : 42278-024  
**Amount (US \$ million)** : 25  
**Executing Agency** : Ministry of Education and Sports  
**Sector** : Education  
**Subsector** : Technical and vocational education and training

Responsible ADB Officer: Wolfgang G. Kubitzki, Southeast Asia Department, Human and Social Development Division

Status: ADB Board will approve in 18 October 2016.

#### Project Outputs:

- Teaching and learning environments at eight TVET colleges upgraded
- Quality and relevance of demand-driven programs improved
- Access to Technical and Vocational Education and Training Project (TVET) institutions for disadvantaged students increased

Business Opportunities

- Consulting Services: All consultants financed by ADB will be engaged according to ADB's Guidelines on the Use of Consultants (2013 as amended from time to time).
- Procurement: All procurement of goods and civil works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

Procurement plans: <https://www.adb.org/projects/documents/lao-second-stvetp-pp>

**V. ASSISTANCE TO THE PRIVATE SECTOR**

**REGIONAL**

**Distributed Energy Storage Solutions Project**

**Project No.** : 50227-001  
**Borrower** : Fluidic Incorporated  
**Sector** : Energy  
**Subsector** : Energy utility services

Responsible ADB Officer: Martina Tonizzo, Private Sector Operations Department, Infrastructure Finance Division 2

Status: ADB Board approved on 22 September 2016.

Project description: The investments will provide institutional capital to support Fluidic's recent entry into a growth phase backed by a large client book, a master agreement with Caterpillar and MOU's for some of the world's largest rural electrification projects.

VI. IN-COUNTRY EMBASSY AND COMMERCIAL OFFICES

COUNTRY	EMBASSY POST	COMMERCIAL POST
Afghanistan	American Embassy, Kabul The Great Masoud Road between Radio Afghanistan & Ministry of Public Health, Kabul, Afghanistan Tel.: (93-20) 130-0436; Fax: (93-20) 130-1364 <i>James B. Cunningham, Ambassador</i>	c/o American Embassy, Kabul The Great Masoud Road between Radio Afghanistan & Ministry of Public Health, Kabul, Afghanistan Tel.: 011-873-761-837-725 <i>Walter Koenig, Economic and Commercial Officer</i> E-mail: <a href="mailto:KoenigEW@state.gov">KoenigEW@state.gov</a>
Armenia	Embassy of the United States of America 1 American Avenue Yerevan 0082, Republic of Armenia Tel.: (374 10) 49-42-00; Fax: (374 10) 46-47-42 <i>John A. Heffern, Ambassador</i>	Embassy of the United States of America 18 Marshal Bagramian Ave. Yerevan 375019, Republic of Armenia Tel.: (37410) 49-42-00; Fax: (37410) 46-47-42 <i>Mr. Brian Roraff, Economic/Political Officer</i> E-mail: <a href="mailto:RoraffBR@state.gov">RoraffBR@state.gov</a> <i>Aleksey Hovakimyan, Economic Specialist</i> E-mail: <a href="mailto:HovakimyanA@state.gov">HovakimyanA@state.gov</a>
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<i>Perth</i>	U.S. Consulate General Level 13, 16 St. George's Terrace, Perth WA 6000, Australia Tel.: (61-8) 6144-5100; Fax: (61-8) 9231-9444 <i>Cynthia Griffin, Consul General</i>	U.S. Consulate General Level 13, 16 St. George's Terrace, Perth WA 6000, Australia Tel.: (61-8) 6144-5149; Fax: (61-8) 9231-9444 <i>Ms. Donna Carter, Commercial Specialist</i> E-mail: <a href="mailto:Donna.Carter@trade.gov">Donna.Carter@trade.gov</a>
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COUNTRY	EMBASSY POST	COMMERCIAL POST
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For CS ADB assistance, please contact: Mr. Gregory Harris, Director (E-mail: [Gregory.Harris@trade.gov](mailto:Gregory.Harris@trade.gov))

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