



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 2015, ADB provided \$15.45 billion for loans, \$365 million for grants and \$141 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 2015*

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I. PROJECT LIST BY SECTOR

Country	Projects	ADB Assistance
AGRICULTURE and NATURAL RESOURCES SECTOR		
Cambodia	Tonle Sap Poverty Reduction and Smallholder Development Project - Additional Financing	Approved TA
China	Remediation of Heavy Metal Contamination in Farmlands of Hunan Province	Approved TA
Indonesia	Community-Focused Investments to Address Deforestation and Forest Degradation	Approved grant
Laos	Greater Mekong Subregion Biodiversity Conservation Corridors Project (Additional Financing)	Approved grant
Mongolia	Strengthening Community Resilience to Dzug and Forest and Steppe Fires Project	Approved grant
Tajikistan	Water Resources Management in Pyanj River Basin Project	Approved loan; grant; TA
EDUCATION SECTOR		
Cambodia	Upper Secondary Education Sector Development Program	Approved loan; TA
Laos	Second Strengthening Higher Education Project	Approved loan; grant
ENERGY SECTOR		
India	Solar Rooftop Investment Program	Approved MFF; TA
Kyrgyz	Toktogul Rehabilitation Phase 3 Project	Approved loan, grant
Myanmar	Power Network Development Project	Approved TA
Pakistan	Second Power Transmission Enhancement Investment Program	Approved loan
Sri Lanka	Supporting Electricity Supply Reliability Improvement	Approved loan; grant
Thailand	Distributed Commercial Solar Power Project	Approved Assistant to Private Sector
Turkmenistan	Power Sector Development Project	Approved TA
ENVIRONMENT SECTOR		
Azerbaijan	Water Supply and Sanitation Investment Program - Tranche 4	Approved loan
China	Qingdao Rural Waste-to-Energy Project	Approved TA
India	Kolkata Environmental Improvement Investment Program - Tranche 2	Approved loan; TA
Nepal	Second Kathmandu Valley Water Supply Improvement Project	Approved TA
HEALTH SECTOR		
China	Development of Geriatric Nursing Policy Principles and Training Program in Liaoning Province	Approved TA
INDUSTRY, FINANCE, and OTHER SECTORS		
Cambodia	Decentralized Public Service and Financial Management Sector Development Program (Subprogram 2)	Approved loan
China	Mobilizing Pension Fund Financing for Public-Private Partnerships	Approved TA
China	Capacity Building on Operational Knowledge	Approved TA
Georgia	Improving Domestic Resource Mobilization for Inclusive Growth Program (Subprogram 3)	Approved loan
India	Visakhapatnam-Chennai Industrial Corridor Development Program	Approved loan; TA
Kyrgyz	Second Investment Climate Improvement Program (Subprogram 2)	Approved loan, grant
Mongolia	Supporting Financial Sector Development and Stability	Approved TA
Philippines	Financial Inclusion Framework Strengthening	Approved TA
TRANSPORTATION and COMMUNICATIONS SECTOR		
Afghanistan	Preparation of Central Asia Regional Economic Cooperation Corridors 5 and 6 (Salang Corridor) Project	Approved grant
Bangladesh	South Asia Subregional Economic Cooperation Chittagong-Cox's Bazar Railway Project, Phase 1	Approved TA
Bhutan	South Asia Subregional Economic Cooperation Transport, Trade Facilitation and Logistics Project	Approved loan

Country	Projects	ADB Assistance
Note: Click on the project title for full details.		
TRANSPORTATION and COMMUNICATIONS SECTOR		
Bhutan	Thimphu Road Improvement Project	Approved grant
Kazakhstan	CAREC Corridors 1 and 6 Connector Road (Aktobe-Makat) Reconstruction Project	Approved loan
Kyrgyz	Central Asia Regional Economic Cooperation Corridors 1 and 3 Connector Road Project	Approved loan
Maldives	Kulhudhuffushi Harbor Expansion Project	Approved grant
Myanmar	Rural Roads and Access Project	Approved TA
Papua New Guinea	Highlands Region Road Improvement Investment Program- Tranche 3	Approved loan; grant

II. LOANS

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

AZERBAIJAN

Water Supply and Sanitation Investment Program - Tranche 4

Loan No. : 3411-AZE
Project No. : 42408-044
Amount (US \$ million) : 75
Executing Agency : AzerSu JSC
Sector : Water and other urban infrastructure and services
Sub Sector : Urban sanitation - Urban water supply

Responsible ADB Officer: Lu Shen, Central and West Asia Department, Urban Development and Water Division

Status: ADB Board approved on 9 August 2016.

Description: The first three tranches of the multi-tranche financing facility (MFF) financed construction of water networks in Goychay, Agdash and Beylagan. Construction of wastewater treatment plants (WWTP) will be critical to minimize environmental and health impacts through proper sewage disposal. Project 4 will serve as additional financing to Project 2 of the MFF to complete civil works in Agdash and Beylagan towns. Two main components include water supply and sanitation (WSS) infrastructure development and program support. First component consists of WSS network in Agdash and WWTP in Agdash and Beylagan.

Business Opportunities

- Consulting Services: Tranche 4 loan includes: (i) one consulting package using the quality-and cost- based selection method to recruit international program management consultants; and (ii) one consulting package using least cost selection method to recruit an auditor
- Procurement: Tranche 4 loan includes: (i) one international competitive bids (ICB) for procurement of civil works for water supply and sewerage network and wastewater treatment plant (WWTP) in Agdash (2 lots); (ii) one ICB for procurement of civil works for WWTP Beylagan;

BHUTAN

South Asia Subregional Economic Cooperation Transport, Trade Facilitation and Logistics Project

Loan No. : 3421-BHU
Project No. : 47284-002
Amount (US \$ million) : 150
Executing Agency : Department of Roads; Phuentsholing Thromde
Sector : Industry and trade; Transport
Sub Sector : Trade and services; Road transport (non-urban)

Responsible ADB Officer: Guenter Hoelscher, South Asia Department, Transport and Communications Division

Status: ADB Board approved on 31 August 2016.

Description: The project will promote regional connectivity in the Phuentsholing area with a direct road connection between Samtse and Chhukha districts. The new road section between Phuentsholing and Chamkuna will (i) complete the last missing 3.3-kilometer (km) link along the Phuentsholing- Samtse national highway, (ii) activate the full value of the entire 58 km Southern East -West Highway (SEWH) section for road users, and (iii) link Samtse district to the rest of the country. The trade facilitation and logistics component is aimed at improving the infrastructure and services at the border crossing points by adding additional equipment to facilitate cross-border traffic and transit of goods and services, trade, and commerce nationwide. These interventions are targeted at improving the working conditions and service delivery at the checkpoints so that goods and services can be exported and imported safely and efficiently.

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). The terms of reference for all consulting services are detailed in Section D of the Project Administration Manual.

An estimated 347 person-months (27 international, 320 national) of consulting services are required to facilitate project management and implementation for the Phuentsholing to Chamkuna Road. Consulting firms will be engaged using the quality- and cost-based selection (QCBS) method with a standard quality cost ratio of 90:10.

- **Procurement:** All procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

International competitive bidding procedures will be used for civil works contracts estimated to cost \$3,000,000 or more, and supply contracts valued at \$1,000,000 or higher. Shopping will be used for procurement of works and equipment worth less than \$100,000.

When and if any national competitive bidding (NCB) is proposed, ADB and the government will review the public procurement laws of the central and state governments to ensure consistency with ADB's Procurement Guidelines (2015, as amended from time to time), before the start of any procurement.

Procurement plan: <https://www.adb.org/projects/documents/bhu-sasec-transport-trade-facilitation-logistics-project-pp>

CAMBODIA

A. Decentralized Public Service and Financial Management Sector Development Program (Subprogram 2)

Loan No. : 3414-CAM; 3415-CAM
Project No. : 41392-023
Amount (US \$ million) : 35
Executing Agency : Ministry of Finance
Sector : Public sector management
Sub Sector : Decentralization; Public expenditure and fiscal management

Responsible ADB Officer: Hiroyuki Aoki, Southeast Asia Department, Public Management, Financial Sector and Trade Division

Status: ADB Board approved on 18 August 2016.

The Decentralized Public Service and Financial Management (DPSFM) is structured along a series of policy actions in seven major reform areas:

- a. Development and regular update of a gender-sensitive policy and regulatory framework for decentralization.
- b. Establishment of institutions for efficient coordination of sub-national democratic development policies.
- c. Definition of clear service delivery responsibilities of Sub-national Administrations (SNAs).
- d. Assignment of efficient tax and non-tax revenue sources to SNAs.
- e. Implementation of fiscal transfers that ensure comparable levels of service delivery across SNAs.
- f. Development of capacities for efficient decentralized public financial management.
- g. Design and implementation of accountability mechanisms for SNAs to their constituencies.

Business Opportunities

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

Procurement plan: <https://www.adb.org/projects/documents/cam-dpsfm-sector-dev-program-sp2-pp>

B. Upper Secondary Education Sector Development Program

Loan No. : 3426-CAM; 3427-CAM
TA No. : 9178
Project No. : 47136-003
Amount (US \$ million) : 46
Executing Agency : Ministry of Education, Youth and Sports
Sector : Education
Sub Sector : Education sector development - Secondary

Responsible ADB Officer: Lynnette Perez, Southeast Asia Department, Human and Social Development Division

Status: ADB Board approved on 23 September 2016.

Description: The program is the response of the Asian Development Bank (ADB) to the government's vision of improving the quality of its human resources to sustain Cambodia's economic development and enhance its competitiveness. This will be achieved by supporting sequenced reforms aimed at improving the effectiveness of upper secondary education (USE). The program will: (i) support initiatives to improve access to, quality of, and relevance of USE; and (ii) strengthen institutional capacity for planning,

management, and delivery of education. While the policy reforms will be applied nationwide, most of the project activities will be implemented in seven disadvantaged provinces.

GEORGIA

Improving Domestic Resource Mobilization for Inclusive Growth Program (Subprogram 3)

Loan No. : 3417-GEO; 3418-GEO
Project No. : 48044-005
Amount (US \$ million) : 100
Executing Agency : Ministry of Finance
Sector : Finance; Public sector management
Sub Sector : Finance sector development - Insurance and contractual savings - Money and capital markets, Public expenditure and fiscal management

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

Status: ADB Board approved on 31 August 2016.

Outputs:

1. Improved treasury management of debt, cash, and fiscal risk
2. Strengthened public revenue and expenditure management
3. Enhanced generation of domestic savings
4. Increased mobilization of private resources for investment

Business Opportunities

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

Procurement plan: <https://www.adb.org/projects/documents/cam-dpsfm-sector-dev-program-sp2-pp>

INDIA

A. Visakhapatnam–Chennai Industrial Corridor Development Program

MFF No. : 0093-IND
Project No. : 48434-002
Amount (US \$ million) : 505
Executing Agency : Department of Industries & Commerce, Government of Andhra Pradesh
Sector : Energy, Industry and trade, Transport, Water and other urban infrastructure and services
Sub Sector : Electricity transmission and distribution, Large and medium industries, Road transport (non-urban), Urban water supply

Responsible ADB Officer: Manoj Sharma, ADB Department South Asia Department, Urban Development and Water Division

Status: ADB Board approved on 20 September 2016.

Description: The Visakhapatnam-Chennai Industrial Corridor Development Program (VCICDP) will complement the ongoing efforts of the Government of Andhra Pradesh (GoAP) to enhance industrial growth and create high quality jobs. The VCICDP comprises a multi-tranche financing facility (MFF), a grant, and a policy-based loan (PBL). The MFF and the grant will support priority infrastructure

investments in the Visakhapatnam-Chennai Industrial Corridor (VCIC) and the PBL will support policy reforms and institutional development in the state.

Business Opportunities

- Consulting Services: The project management unit will recruit consultants in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). Consulting services include project management and supervision, road safety awareness, and resettlement monitoring.
- Procurement of civil works and goods will be carried out in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

Procurement plan: <https://www.adb.org/projects/documents/ind-vcicdp-pp>

B. Visakhapatnam–Chennai Industrial Corridor Development Program

Loan No. : 3424-IND
TA No. : 9173-IND
Project No. : 48434-005
Amount (US \$ million) : 126
Executing Agency : Department of Industries & Commerce, Government of Andhra Pradesh
Sector : Industry and trade
Sub Sector : Large and medium industries

Responsible ADB Officer: Manoj Sharma, South Asia Department, Urban Development and Water Division

Status: ADB Board approved on 20 September 2016.

Description: The Visakhapatnam-Chennai Industrial Corridor Development Program (VCICDP) will complement the ongoing efforts of the Government of Andhra Pradesh (GoAP) to enhance industrial growth and create high quality jobs. The VCICDP comprises a multi-tranche financing facility (MFF), a grant, and a policy-based loan (PBL). The MFF and the grant will support priority infrastructure investments in the Visakhapatnam-Chennai Industrial Corridor (VCIC) and the PBL will support policy reforms and institutional development in the state.

Business Opportunities

Procurement plan: <https://www.adb.org/projects/documents/ind-vcicdp-pp>

C. Kolkata Environmental Improvement Investment Program - Tranche 2

Loan No. : 3413-IND
TA No. : 9157-IND
Project No. : 42266-025
Amount (US \$ million) : 201
Executing Agency : Kolkata Municipal Corporation
Sector : Water and other urban infrastructure and services
Sub Sector : Urban flood protection - Urban sewerage - Urban water supply

Responsible ADB Officer: Neeta Pokhrel, South Asia Department, Urban Development and Water Division

Status: ADB Board approved on 16 August 2016.

Description: Tranche 2 will continue improvements in coverage and operational sustainability of Kolkata Municipal Corporation's sewerage, drainage, and water supply services. The accompanying TA will strengthen climate resilience of Kolkata through improved planning and disaster risk management.

Business Opportunities

- Consulting Services: An estimated 733 person-months input of national consultants is required under Project 2 to (i) facilitate project management and implementation, and (ii) strengthen the institutional and operational capacity of the PMU and executing agency. Consulting firms will be engaged using the quality- and cost-based selection method with a standard quality cost ratio of 80:20.
- Procurement: All procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

International competitive bidding procedures will be used for civil works contracts estimated to cost \$40 million or more, and supply contracts valued at \$1 million or higher. Shopping will be used for contracts for procurement of works and equipment below \$100,000.

Master bidding documents for national competitive bidding (NCB) works was prepared for e-tendering and reviewed by ADB, which will be used throughout Project 2 implementation period for procurement under NCB. ADB and the government have reviewed the public procurement laws of the central and state governments to ensure consistency with ADB's Procurement Guidelines (2015, as amended from time to time).

D. Solar Rooftop Investment Program

MFF : 0095-IND
TA No. : 9187
Project No. : 49419-001
Executing Agency : Punjab National Bank
Sector : Finance
Subsector : Infrastructure finance and investment funds

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

Status: ADB Board approved on 30 September 2016.

Description: The proposed \$505 million sovereign-guaranteed Solar Rooftop Investment Program (SRIP) is a multi-tranche financing facility, consisting of \$500 million financial intermediation loans and a \$5 million capacity development technical assistance. 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

CAREC Corridors 1 and 6 Connector Road (Aktobe-Makat) Reconstruction Project

Loan No. : 3416-KAZ
Project No. : 48424-002
Amount (US \$ million) : 513
Executing Agency : Ministry of Investment and Development
Sector : Transport
Sub Sector : Road transport (non-urban)

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

Status: ADB Board approved on 26 August 2016.

Description: The proposed project will reconstruct a road section of about 299 kilometers (km) between the capitals and administration centers of Aktobe and Atyrau provinces in western Kazakhstan, and introduce key features of a transport information system. It will upgrade part of a strategic transport corridor and improve transport system operation. The project will thus strengthen overall road sector efficiency, boost connectivity, and promote regional trade and inclusive economic growth, particularly in the western part of Kazakhstan.

Project Outputs: 299 km of two-lane highway connecting Aktobe and Makat reconstructed to category II standard and operational; improved transport system operation with better provision of road traffic safety and logistics effectiveness

Business Opportunities

- Consulting Services: All consultants will be recruited according to ADB's Guidelines on the Use of Consultants.
- Procurement: All procurement of works will follow ADB's Procurement Guidelines. Civil works contract over \$10 million and goods contract over \$2 million will be procured through international competitive bidding using ADB standard bidding document following pre-qualification and single-stage one-envelope procedure.

Procurement plan: <https://www.adb.org/projects/documents/kaz-carec-corridors-1-and-6-connector-road-aktobe-makat-reconstruction-pp>

KYRGYZ

A. Toktogul Rehabilitation Phase 3 Project

Loan No. : 3422-KGZ
Grant No. : 0494-KGZ
Project No. : 49013-002
Amount (US \$ million) : 150
Executing Agency : Ministry of Economy; OJSC Electric Power Plants
Sector : Energy
Sub Sector : Energy efficiency and conservation, Energy sector development and institutional reform, Large hydropower generation

Responsible ADB Officer: Pei Ling Koh, ADB Department Central and West Asia Department, Energy Division

Status: ADB Board approved on 8 September 2016.

Description: The Asian Development Bank (ADB) financed the rehabilitation of the first two turbine-generator units and secondary electrical equipment of the largest and most important power plant in the Kyrgyz Republic under the Power Sector Rehabilitation Project (Phase 1) and the Toktogul Rehabilitation Phase 2 Project. The proposed phase 3 project aims to: (i) complete the rehabilitation of the Toktogul hydroelectric power plant (HPP) by replacing the two remaining turbine-generator units and refurbishing the civil structures of Toktogul dam, (ii) overhaul the dam monitoring systems at five dams along the Naryn cascade, (iii) continue the information campaign to educate the public on sector reforms, (iv) conduct corporate financial audits and business operation assessments of eight state-owned power and heat companies, and (v) implement a management modernization program for the power generation company.

Business Opportunities

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

Procurement plan: <https://www.adb.org/projects/documents/kgz-toktogul-rehabilitation-ph3-pp>

B. Second Investment Climate Improvement Program (Subprogram 2)

Loan No. : 3410-KGZ
Grant No. : 0487-KGZ
Project No. : 41544-089
Amount (US \$ million) : 25
Executing Agency : Ministry of Economy
Sector : Education, Finance, Industry and trade, Public sector management
Sub Sector : Technical and vocational education and training, Finance sector development - Inclusive finance - Small and medium enterprise finance and leasing, Small and medium enterprise development - Trade and services, Public expenditure and fiscal management

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

Status: ADB Board approved on 29 July 2016.

Description: The Second Investment Climate Improvement Program (ICIP) aims to improve the investment climate for the private sector in the Kyrgyz Republic. It supports increasing access to finance, enabling private participation in infrastructure, diversifying export products and markets, encouraging diversified foreign direct investment, improving skills to match market needs, increasing transparency in government, and reducing the costs of doing business.

Business Opportunities

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

C. Central Asia Regional Economic Cooperation Corridors 1 and 3 Connector Road Project

Loan No. : 3432-KGZ
Grant No. : 0496-KGZ
Project No. : 48401-007
Amount (US \$ million) : 212.11
Executing Agency : Ministry of Transport and Roads
Sector : Transport
Subsector : Road transport (non-urban)

Responsible ADB Officer: Susan Lim, Central and West Asia Department, Transport and Communications Division

Status: ADB Board approved on 27 September 2016.

Description: The project will connect two major CAREC regional corridors by rehabilitating a crucial connector road, part of the North South Alternate Corridor, which is a priority in the National Sustainable Development Strategy. It will improve connectivity and mobility in the country and link the economic underprivileged regions with the economic hubs, as well as strengthen road maintenance practices and institutional capacity by introducing and implementing a road asset management system and a project implementation unit administrative manual and procedure.

Business Opportunities

- Consulting Services: All goods, works, and services to be financed will be procured following ADB's Procurement Guidelines.

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

Procurement plan: <https://www.adb.org/projects/documents/kgz-carec-corridors-1-and-3-connector-road-pp>

LAOS

Second Strengthening Higher Education Project

Loan No. : 3435-LAO
Grant No. : 0500-LAO
Project No. : 48127-002
Amount (US \$ million) : 39.92
Executing Agency : Ministry of Education and Sports
Sector : Education
Subsector : Tertiary

Responsible ADB Officer: Joel Mangahas, Southeast Asia Department, Human and Social Development Division

Status: ADB Board approved on 29 September 2016.

Project Outputs: (i) Quality and relevance of higher education services (teaching, research, and extension) enhanced; (ii) Access to modern higher education programs introduced; and (iii) Governance and management of HEIs strengthened

Business Opportunities

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

Procurement plan: <https://www.adb.org/projects/documents/second-strengthening-higher-education-project-pp>

PAKISTAN

Second Power Transmission Enhancement Investment Program

Loan No. : 0092-PAK
Project No. : 48078-002
Amount (US \$ million) : 810
Executing Agency : National Transmission & Despatch Company Limited
Sector : Energy
Sub Sector : Electricity transmission and distribution

Responsible ADB Officer: Megan Wolf, Central and West Asia Department, Energy Division

Status: ADB Board approved on 23 August 2016.

Description: The objective of the proposed multitranche financing facility (MFF) is to improve Pakistan's power transmission infrastructure and management. To achieve this objective, the investment program includes: (i) staged physical investments in the transmission system to increase transmission capacity,

improve efficiency and energy security, and evacuate additional sources of power; and (ii) nonphysical investments to support institutional efficiency, cost recovery, competition, transparency and good governance within the sector.

Business Opportunities

- Consulting Services: The recruitment of consultants will follow ADB Guidelines on the Use of Consultants (2013, as amended from time to time), using quality- and cost-based selection method with 90:10 quality/cost weighting.
- Procurement: Projects will be procured through international competitive bidding following ADB's Procurement Guidelines (2015, as amended from time to time).

PAPUA NEW GUINEA

Highlands Region Road Improvement Investment Program- Tranche 3

Loan No. : 3404; 3408
Grant No. : 0485
Project No. : 40173-044
Amount (US \$ million) : 129
Executing Agency : Department of Works
Sector : Transport
Sub Sector : Road transport (non-urban) - Transport policies and institutional development

Responsible ADB Officer: David Ling, Pacific Department, Transport, Energy and Natural Resources Division

Status: ADB Board approved on 19 July 2016.

Description: Project 3 outputs will include: (i) improvements to 113.5 km of priority national roads identified in the National Transport Development Plan (NTDP), 2006-2010 of the Highlands Core Road Network (HCRN), with design considerations for all road users including pedestrians and public motor vehicles; (ii) maintenance arrangements for 200 km of the HCRN; (iii) improved capacity of the National Road Authority (NRA) to plan and manage long-term road maintenance contracts; (iv) more efficient Department of Works and Implementation (DOW) capable of implementing and delivering road improvements with attention to safeguards capacity, an improved asset management system of the HCRN and consulting support to pilot community-based road maintenance; and (v) improved road safety capacity of the National Road Safety Council (NRSC).

Business Opportunities

- Consulting services: Construction Supervision & Rural Road Maintenance Advisory (Website: https://uxdmz06.adb.org/OA_HTML/OA.jsp?OAFunc=XXCRS_CSRN_PROFILE_PAGE&csrKey=BFBE8127B96588A42EBC8D14EE9D1737406425AE3DB3147C92845E1F31F1D475&fromDER=Y&refresh_csrn=true)
- Procurement: To be determined

SRI LANKA

Supporting Electricity Supply Reliability Improvement

Loan No. : 3409
Grant No. : 0486; 9186
Project No. : 49216-002
Amount (US \$ million) : 119
Executing Agency : Ceylon Electricity Board
Sector : Energy
Sub Sector : Electricity transmission and distribution, Energy efficiency and conservation, Renewable energy generation (solar), Renewable energy generation (wind)

Responsible ADB Officer: Mukhtor Khamudkhanov, South Asia Department, Energy Division

Status: ADB Board approved on 26 July 2016.

Description The project will directly benefit the development of lagging areas. It will cover 106 rural electrification schemes and 2,372 kilometers (km) of low voltage line extensions. Innovative hybrid mini grids, consisting of wind solar and efficient diesel generation systems coupled with energy storage (lithium-ion batteries), will be implemented in the small isolated islands. As a result, the project will help to ensure inclusiveness and access to electricity by all the population. The project is expected to provide electricity to about 35,710 rural households, including the former conflict-affected Northern and Eastern provinces as well as Uva and North Central provinces where the current electrification level is lower than in other parts of the country. Improvement of the medium voltage network will enhance the quality and reliability of electricity supply to more than 493,000 consumers. The project is consistent with the interim country partnership strategy for Sri Lanka of the Asian Development Bank (ADB). It builds on previous ADB interventions focused on supporting transmission and distribution investments to expand access to clean and reliable electricity, and renewable energy development.

Business Opportunities

- Consulting Services: Recruitment of consultants will be in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The consulting services include recruitment of a firm or NGO and 4 individual consulting contracts.
- Procurement: All procurement will be carried out in accordance with ADB's Procurement Guidelines (2015, as amended from time to time). There are 8 International Competitive Bidding procurement packages and 1 National Competitive Bidding procurement package.

Procurement plan: <https://www.adb.org/projects/documents/sri-supporting-electricity-supply-reliability-improvement-pp>

TAJIKISTAN

Water Resources Management in Pyanj River Basin Project

Loan No. : 3434
Grant No. : 0498; 9188
TA No. : 9183-TAJ
Project No. : 47181-002
Executing Agency : Ministry of Energy and Water Resources; Agency of Land Reclamation and Irrigation
Sector : Agriculture, natural resources and rural development
Subsector : Irrigation

Responsible ADB Officer: Ryutaro Takaku, Central and West Asia Department, Environment, Natural Resources & Agriculture Division

Status: ADB Board approved on 28 September 2016.

Description: The Water Resources Management in the Pyanj River basin (PRB) Project will improve institutional and physical capacities of water resources management (WRM) system in PRB of southern Tajikistan, and it will: (i) establish a PRB organization, council, and Joint PRB committee, and develop a PRB management plan; (ii) modernize and climate-proof the Chubek Irrigation System (CIS); and (iii) improve farm and water use management capacities.

The impact of the proposed project will be increased farm incomes in CIS area of PRB. The outcome will be increased agricultural water productivity in CIS area of PRB. The key outputs will be (i) WRM capacity improved in PRB; (ii) WRM infrastructure in PRB modernized and climate-proofed; (iii) farm management and water use capacities increased; and (iv) efficient and effective project management system. The installation of a sediment basin, the replacement of pumps and motors in the pump stations with energy efficient ones, and more profitable farm management to enable them to pay water use levies will result in more sustainable O&M of CIS.

ALRI will be the executing agency to manage the overall project implementation. MEWR will be the implementing agency responsible for implementing output 1. Considering that the reform of WRM system is still ongoing, implementation arrangement will be further clarified during project preparation. A representative to be appointed by ALRI and MEWR each will serve as the project director and the deputy project director, respectively. The international competitive bidding will be the majority of procurement, and all procurement will follow ADB's Procurement Guidelines (2013, as amended from time to time). Consulting firms will be recruited to support the project implementation following ADB's Guidelines on the Use of Consultants (2013, as amended from time to time).

The project is categorized as complex. While MLRWR had reasonable administration capacity for externally financed projects including ADB's financed projects, it should be confirmed during project preparation whether ALRI inherited the capacity from MLRWR. The proposed project will be category B for impact on involuntary resettlement, C for impact on indigenous peoples, and B for impact on environment.

Project preparatory technical assistance (PPTA) will be implemented over a period of 11 months (July 2014-May 2015).

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

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

MFF No. : 0094-BAN
TA No. : 9193
Project No. : 46452-002
Executing Agency : Bangladesh Railway
Amount (US \$ million) : 1,501
Sector : Transport
Subsector : Rail transport (non-urban); Transport policies and institutional development

Responsible ADB Officer: Rubina Shaheen, South Asia Department, Transport and Communications Division

Status: ADB Board approved on 28 September 2016.

Description: The project will support the Government of Bangladesh in constructing the 102-kilometer (km) Dohazari-Cox's Bazar section of the Chittagong-Cox's Bazar railway corridor in southeastern Bangladesh. The government is rehabilitating the 47-km Chittagong-Dohazari section with its own funds. The project will also strengthen the capacity of Bangladesh Railway for project implementation management. The South Asia Subregional Economic Cooperation (SASEC) trade facilitation and transport working group endorsed the project at a meeting held in Tokyo on 26 November 2015.

The government has requested for a multitranche financing facility (MFF) in an amount up to \$1.5 billion from ADB's ordinary capital resources (OCR) and Special Fund resources to help finance the project. An MFF using the time-slicing approach is proposed as the modality to finance this large-scale stand-alone project through long-term works, goods and services, and consultant contracts. The project was fully appraised as part of the due diligence for the MFF, and each tranche will finance parts of this project. The MFF allows a long-term partnership with the government for policy dialogue and capacity development.

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.

Procurement plan: <https://www.adb.org/projects/documents/ban-sasec-chittagong-cox-bazar-railway-ph1-pp>

CAMBODIA

Tonle Sap Poverty Reduction and Smallholder Development Project - Additional Financing

TA No. : 9167
Project No. : 41435-053
Executing Agency : **Ministry of Agriculture, Forestry & Fisheries; National Committee for Democratic Development at Subnational Level**
Sector : **Agriculture, natural resources and rural development**
Subsector : **Agricultural production; Irrigation**

Responsible ADB Officer: Thuy Trang Dang, Southeast Asia Department, Environment, Natural Resources & Agriculture Division

Status: ADB Board approved on 26 September 2016.

Description: An additional financing to the Tonle Sap Poverty Reduction and Smallholder Development Project is proposed for seven provinces (Banteay Meanchey, Battambang, Kampong Cham, Kampong Thom, Prey Veng, Siem Reap, and Tboung Khmum) in Cambodia. The additional financing will enhance agricultural productivity and improve access to markets in 270 target communes through investments in

climate-resilient productive infrastructure, building capacity in disaster risk management of the communities and commune councils, and creating an enabled environment for agricultural productivity, diversification and climate resilience.

Business Opportunities

- Consulting Services: A total of 11.0 person-months (p-m) of international consulting services and 11.0 p-m of national consulting services inputs will be required. The consultants will be recruited using individual recruitment selection procedures and will be engaged on an intermittent basis by ADB.

CHINA

A. Development of Geriatric Nursing Policy Principles and Training Program in Liaoning Province

TA No. : To be determined
Project No. : 49313-001
Executing Agency : First Affiliated Hospital of China Medical University
Sector : Health
Subsector : Health system development

Responsible ADB Officer: Raushanbek Mamatkulov, East Asia Department, Urban and Social Sectors Division

Status: ADB Board approved on 29 September 2016.

Description: The PRC Government has requested the Asian Development Bank (ADB) to finance the policy and advisory technical assistance (TA) for Development of Geriatric Nursing Policy Principles and Training Program in Liaoning Province of the People's Republic of China. The main objectives of the TA are to: (i) develop geriatric nursing training policy recommendations and a strategy, an implementation framework, standards, a curriculum, and modules for geriatric nursing training; and (ii) train clinical nursing teachers and nurses in Liaoning Province.

Business Opportunities

- Consulting Services: Consulting services under the TA will be in accordance with ADB's Guidelines for the Use of Consultants (2013, as amended from time to time).
- Procurement under the TA will be carried out in accordance with ADB's Procurement Guidelines (2015, as amended from time to time). All equipment purchased under the TA will be turned over to the executing agency upon completion of the TA activities. Disbursements will be in accordance with the Technical Assistance Disbursement Handbook (2010, as amended from time to time).

B. Qingdao Rural Waste-to-Energy Project

TA No. : 9186
Project No. : 50089-001
Executing Agency : Qingdao Municipal Government
Sector : Energy
Subsector : Renewable energy generation; biomass and waste

Responsible ADB Officer: Teruhisa Oi, East Asia Department, Energy Division

Status: ADB Board approved on 26 September 2016.

Description: In rural Shandong Province, straw and coal are traditional fuel for heating and cooking. They are burned in inefficient heating and cooking stoves, which poses serious indoor and outdoor air pollution and emission of carbon dioxide. Over the decades, the Government of the People's Republic of China (PRC) provided large amount of financial support to promote comprehensive utilization of agricultural and livestock waste in rural areas such as setting up household based biogas digesters, small scale biomass heating boilers, and conversion of agricultural waste to pellet fuel which are operated by farmers or small enterprises. Household based bio digesters have shown good results in terms of economy and technology. However, household biogas digester often cannot produce enough gas in the middle of winter due to lack of feed stock, which compels rural people to use coal for heating. Establishing medium and large scale livestock industry based biogas plants were actively promoted during the Twelfth Five-Year Plan of the PRC (2011-2015), however there were mixed success in biogas production due to poor design of plants and lack of human capacity in operation of the plants. Moreover, the current practice of biomass briquette production involves low level of mechanization in the process and poor quality of equipment causing low quality of pellet fuel.

To overcome these issues, a new policy is being issued under the Thirteenth Five-Year Plan (2016-2020) of the PRC to encourage large energy service providers, such as national level power generation companies, and municipal state-owned gas and heating services providers, entering to rural energy market and exploit untapped biomass to energy. Consistent with this, the proposed project will demonstrate a comprehensive utilization of agricultural and livestock waste to energy for heating and cooking in 60 new rural communities in rural Qingdao to be implemented and operated by the Qingdao Energy Group (QEG), the largest local state-owned energy company in Qingdao, thereby improving the quality of energy access, and reducing air, soil, and water pollution in rural areas. The proposed project will not only directly benefit about 660,000 people in the project area (20% of total rural population in project area), but indirectly benefit the residents of the other parts of Qingdao by removing some of the sources of pollution now emanating from the project area.

The project will complement Asian Development Bank (ADB)-financed Beijing-Tianjin-Hebei (BTH) Clean Air Program. Upon project completion, similar technical application and business model can be replicated in other similar rural areas in the greater BTH region by turning agricultural and livestock wastes to cleaner and low-carbon heating and cooking fuel.

During the project preparation, ADB will facilitate establishing a knowledge and technical exchange platform between the QEG and advanced countries in using biogas and biomass such as Germany, Japan, Sweden, and the United States. This will help Qingdao gain further knowledge and experience in the areas of (i) policies, institutional laws and regulations; (ii) biogas and biomass technologies; and (iii) relevant project experiences.

Business Opportunities

- Consulting Services: The technical assistance (TA) will take a two-team approach to use consulting services efficiently. The technical and financial team will require three individual international consultants (6 person-months) and two individual national consultants (7 person-months). The safeguards team will require two individual international consultants (4.5 person-months) and two individual national consultants (7 person-months). All consultants will be recruited through individual consultants selection by ADB in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The project team and implementing agency will be responsible for coordination and administration, or fixing the collective responsibility. The proceeds of the TA will be disbursed in line with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time). Lump sum payments/output based contracts will be considered under the TA.

C. Remediation of Heavy Metal Contamination in Farmlands of Hunan Province

TA No. : 9177
Project No. : 50007-001
Executing Agency : Hunan Agriculture Committee
Sector : Agriculture, natural resources and rural development
Subsector : Agricultural policy, institutional and capacity development - Land-based natural resources management

Responsible ADB Officer: Alvin Lopez, East Asia Department, Environment, Natural Resources & Agriculture Division

Status: ADB Board approved on 26 September 2016.

Description: The TA contributes to ADB's strategic priorities in the draft CPS, 2016 2020, for the PRC which includes addressing environmental challenges. The CPS highlights support for environmental management and restoration as a key cooperation area with the PRC. A memorandum of understanding signed between ADB and the PRC's MEP in 2014 highlighted soil pollution and contaminated land management as an area on continued cooperation with the PRC. This proposed TA also effectively builds on a past ADB-financed TA which supported the PRC in developing recommendations for a national framework for soil pollution and contaminated land management. Lessons from this TA can potentially be replicated in other priority remediation sites not only in the PRC but also in other developing member countries facing similar challenges.

Business Opportunities

- Consulting Services: A consulting firm will be engaged in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time) using the simplified technical proposal and quality- and cost-based selection method, with a quality cost ratio of 90:10 due to the high technical complexity of the consulting assignment.
- Procurement: All ADB-financed procurement will be conducted following ADB's Procurement Guidelines (2015, as amended from time to time).

D. Mobilizing Pension Fund Financing for Public–Private Partnerships

TA No. : 9163
Project No. : 50019-001
Executing Agency : Sichuan Finance Department
Sector : Public sector management
Subsector : Public administration

Responsible ADB Officer: Craig Sugden, East Asia Department, Public Mgt., Financial Sector and Regional Coop Division

Status: ADB Board approved on 31 August 2016.

Business Opportunities

- Consulting Services: International advisors (an institutional investment advisor and a PPP advisor) will provide a total of 3 person-months input. National consultants (an institutional investment advisor and team leader, a PPP specialist, financial specialist, pension fund specialist, and coordinator) will provide a total of 30 person-months inputs. Considering the nature of the assignment and the availability of the required expertise, the national consultants will be engaged through a firm using the Fixed Budget Selection and biodata technical proposal. The international consultants will be engaged on an individual basis. As TA implementation will make extensive use of participatory workshops and a wide range of skills and experience will be required to support these workshops; provision is also made for resource persons.

E. Capacity Building on Operational Knowledge

TA No. : 9165
Project No. : 50032-001
Executing Agency : Ministry of Finance
Sector : Finance
Subsector : Finance sector development

Responsible ADB Officer: Irene Bain, East Asia Department, PRC Resident Mission

Status: ADB Board approved on 29 August 2016.

Description: The capacity development TA responds to the needs outlined above through structured capacity building to better create, use, manage and share operational knowledge. Specifically, the TA would fund selected capacity building and operational knowledge activities at local and national levels.

Local level activities would involve a training needs assessment of local executing and implementing agency staff responsible for managing and implementing ADB financed loan or investment projects to prepare a consolidated and phased master capacity building plan, with individual training plans and a participant database capable of tracking individual progress, together with project management training course materials. Pilot training workshops would be conducted to pre-test the training course for project management and, based on feedback from the pilot training, the project management course would be further revised and strengthened to enhance training effectiveness and help create new operational knowledge. A second phase of the master training plan would develop additional courses for a broader range of groups and be funded under a follow-on TA.

National level activities would involve: (i) developing a process for PRC think tank engagement in joint TA project proposal shortlisting, evaluation and selected case development; (ii) strengthening the capacity of selected PRC agency staff to document, manage and share knowledge through training and mentoring in case writing, policy brief preparation, message making and knowledge management, including with support from ADB's Knowledge Sharing and Services Center for provision of international experts; (iii) developing an ADB-MOF co-managed, bilingual operational knowledge database of ADB TA synopses to improve future project design, knowledge work and institutional memory; (iv) documenting in-year synopses and other TA outputs in a new, annual implementing agency report, executing agency reporting and web uploading to strengthen operational knowledge access and sharing; (v) piloting policy briefings/briefs to provide just in time knowledge on urgent PRC reform needs; and (vi) piloting national-provincial level and cross-province learning exchanges to capture and share operational knowledge.

Business Opportunities

- **Consulting Services:** A total of 38 person months of national consulting services would be provided. In dialogue with the executing agency, ADB would recruit the experts in accordance with ADB Guidelines on the Use of Consultants (2013) as amended from time to time.

To implement Component 1 (Phase 1) activities for local executing/implementing agency capacity building, a total of 26 person months of national consultant inputs are required, comprising a coordinator (12 person months), a capacity development and training specialist (4 person months), and a project management specialist (10 person months). In addition, a database development consulting firm would be recruited to develop the participant database and to monitor the implementation of individual training plans. The TA would also cover four pilot training workshops on the project management course for about 120 staff of executing/implementing agencies.

To implement Component 2 for national level activities, 12 months of individual national consultant inputs are required from a knowledge management coordinator (12 person-months), and short term resource persons to carry out well-defined tasks during the TA implementation. In

addition, two think tanks would be recruited for third party TA short-listing, selected evaluation and case studies in 2017 and for TA synopsis preparation and policy brief training.

MONGOLIA

Supporting Financial Sector Development and Stability

TA No. : 9180-MON
Project No. : 50017-001
Executing Agency : Ministry of Finance
Sector : Finance
Subsector : Finance sector development

Responsible ADB Officer: Giacomo Giannetto, East Asia Department, Public Mgt., Financial Sector and Regional Coop Division

Status: ADB Board approved on 26 September 2016.

Business Opportunities

- Consulting Services: The consultants 8 international (35 person-months total) and 5 national consultants (26 person-months total) will be individually selected and engaged on a lump sum basis by the Asian Development Bank (ADB) in accordance with its Guidelines on the Use of Consultants (2013, as amended from time to time)

MYANMAR

A. Power Network Development Project

TA No. : 9179-MYA
Project No. : 50020-001
Executing Agency : Ministry of Electricity and Energy
Amount (US \$ million) : 1.5
Sector : Energy
Subsector : Electricity transmission and distribution

Responsible ADB Officer: Thanh Bui, Southeast Asia Department, Energy Division

Status: ADB Board approved on 26 September 2016.

Business Opportunities

- Consulting Services: A firm will be engaged to provide consulting services including 36 person months of international consultants and 34 person months of national consultants.1 Recruitment will be by quality- and cost-based selection method with a technical: financial weighting of 90:10. In addition, a number of individual consultants will be engaged to deliver specific outputs, including: ornithologist, sector procurement assessment, climate risk vulnerability assessment, financial; performance of DPTSC and ESE, community consultation and communication strategy and implementation.

B. Rural Roads and Access Project

TA No. : 9184-MYA
Project No. : 50218-001
Executing Agency : Ministry of Agriculture, Livestock and Irrigation
Sector : Transport
Subsector : Road transport (non-urban)

Responsible ADB Officer: Adrien Veron-Okamoto, Southeast Asia Department, Transport and Communications Division

Status: ADB Board approved on 29 September 2016.

Description: The Government of the Republic of the Union of Myanmar has approached the Asian Development Bank (ADB) for support to develop and contribute to the financing of a national rural roads and access program. The project will improve about 350 km of rural roads in two pilot regions, Ayeyarwaddy and Sagaing, and develop the technical bases and capacity for the program. The project outcome is improved accessibility of rural people, by way of launching nationwide rural roads and access program, a part of which ADB will finance.

Business Opportunities

- Consulting Services: The project preparatory technical assistance (PPTA) will be implemented over a period of 19 months (9 months project preparation followed by up to 10 months of procurement support) using a combination of a consulting firm and individual consultants. All consultants will be engaged in accordance with ADB's Guidelines on the Use of Consultants by the Asian Development Bank and its Borrowers (2013, as amended from time to time). To enable a quick start of works and continuity with the ongoing TA8788, an individual consultant in rural road management will be engaged to help DRD finalize the selection of roads and scope of other subcomponents. ADB will hire a consulting firm using quality- and cost-based selection (simplified technical proposal) with a quality to cost ratio of 90:10. The firm will provide 16 months of international consultant input and 35 person-months of national consultant input. Finally, ADB will recruit individual environment, social management, and road safety specialists with expertise in the design of rural road programs in South or Southeast Asia region to implement a context-sensitive design approach. The consulting firm will be responsible for the administration of workshop training, seminars and conferences, and surveys under the project preparatory TA.
- Procurement: TA Equipment and assets purchased will adhere to ADB's Procurement Guidelines (2015, as amended from time to time), and upon completion of the project, the assets will be turned over to the executing agency.

NEPAL

Second Kathmandu Valley Water Supply Improvement Project

TA No. : 9171-NEP
Project No. : 45339-001
Executing Agency : Asian Development Bank
Amount (US \$ million) : 1
Sector : Water and other urban infrastructure and services
Subsector : Urban policy, institutional and capacity development

Responsible ADB Officer: Vivian Castro-Wooldridge, South Asia Department, Urban Development and Water Division

Status: ADB Board approved on 15 September 2016.

Description: The Second Kathmandu Valley Water Supply Improvement Project will build on ongoing efforts of the Government of Nepal and the Asian Development Bank (ADB) to further improve water supply services and planning in the Kathmandu Valley.

Business Opportunities

- Consulting Services: Implementing agencies will recruit consulting firms in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). Six individual consultants (17.5 person-months) and one firm comprising 7 international consultants (20 person-months) and 9 national consultants (31 person-months) will be engaged by ADB to undertake the technical assistance in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The firm will be engaged using Quality- and-Cost-Based Selection with 90:10 selection method and full technical proposal.
- Procurement of works and goods will be carried out in accordance with ADB's Procurement Guidelines (2015, as amended from time to time).

PHILIPPINES

Financial Inclusion Framework Strengthening

TA No. : 9166-PHI
Project No. : 49386-001
Executing Agency : Bangko Sentral ng Pilipinas
Amount (US \$ million) : 0.6
Sector : Finance
Subsector : Finance sector development - Housing finance - Inclusive finance - Insurance and contractual savings - Small and medium enterprise finance and leasing

Responsible ADB Officer: Eiichi Sasaki, Southeast Asia Department, Public Management, Financial Sector and Trade Division

Status: ADB Board approved on 31 August 2016.

Business Opportunities

- Consulting Services:
 - A. International Consultants
 - 1. Inclusive Finance Development Specialist/Team Leader (8 person months, intermittent)
 - 2. Inclusive Finance Specialist (6 person months, intermittent)
 - B. National Consultants
 - 1. National Micro-insurance Specialist (6 person months, intermittent)
 - 2. National Digital Finance Specialist (6 person months, intermittent)
 - 3. National Project Management Specialist (9 person months, intermittent)

TURKMENISTAN

Power Sector Development Project

TA No. : 9175-TKM
Project No. : 49370-001
Executing Agency : Asian Development Bank
Amount (US \$ million) : 0.23
Sector : Energy
Subsector : Electricity transmission and distribution

Responsible ADB Officer: Sohail Hasnie, Central and West Asia Department, Energy Division

Status: ADB Board approved on 22 September 2016.

Description: The project will involve infrastructure of the national power transmission that will cover: (i) reinforcement of the existing 220 kV line from Balkanabat to Ashgabat (450 km) and Ashgabat to Mary (360 km); and (ii) substations at Serdar, Tejen, Ashgabat and Balkanabat. The project also includes the infrastructure of the regional power transmission covering the construction of (i) a 500 kV line from Mary to the Afghanistan border (275 km); (ii) a 220 kV line from Balkanabat to Etrek (260 km); and (iii) a new 220 kV substation at Etrek.

The loan amount to finance the project has been increased from the original \$150 million discussed in February to \$500 million.

Business Opportunities

- Consulting Services: Individual international consultants totaling 10 person-months (5 International positions and 3 national positions) for preliminary advance works necessary for due diligence.

IV. GRANT

AFGHANISTAN

Preparation of Central Asia Regional Economic Cooperation Corridors 5 and 6 (Salang Corridor) Project

Grant No. : 0490-AFG; 0491-AFG
Project No. : 49229-003
Executing Agency : Ministry of Finance
Amount (US \$ million) : 31.37
Sector : Transport
Subsector : Road transport (non-urban)

Responsible ADB Officer: Elizabeth -Anne Campbell, Central and West Asia Department, Transport and Communications Division

Status: ADB Board approved on 26 August 2016.

Description: The proposed project will assist the Government of Afghanistan in preparing the Central Asia Regional Economic Cooperation (CAREC) Corridors 5 and 6 (Salang Corridor) Project (ensuing project). The ensuing project will rehabilitate and upgrade the Salang Corridor one of the few viable land routes linking the north and south of Afghanistan. The project will support the government in (i) studying the feasibility of three alignment options for the rehabilitation and upgrade of the Salang Corridor; and (ii)

completing the detailed engineering design, procurement documentation, and project and safeguard documents for the selected option.

Business Opportunities

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

Procurement plans: <https://www.adb.org/projects/documents/afg-preparation-carec-corridors-5-and-6-salang-corridor-project-pp>

BHUTAN

Thimphu Road Improvement Project

Grant No. : 0499-BHU
Project No. : 44240-014
Executing Agency : Department of Engineering Services (DES)
Amount (US \$ million) : 4.26
Sector : Transport
Subsector : Urban roads and traffic management

Responsible ADB Officer: Keiichi Tamaki, South Asia Department, Urban Development and Water Division

Status: ADB Board approved on 29 September 2016.

Description: The project will improve the mobility of residents in the country's capital, Thimphu, by undertaking essential road improvements of urban roads, and the construction of drainage and pedestrian infrastructure. The project will further support the capacity enhancement of Thimphu Thromde officers for undertaking crucial road asset management.

Business Opportunities

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

Procurement plan: <https://www.adb.org/projects/documents/bhu-thimphu-road-improvement-pp>

INDONESIA

Community-Focused Investments to Address Deforestation and Forest Degradation

Grant No. : 0501-INO
Project No. : 47084-002
Executing Agency : Ministry of Environment and Forestry
Amount (US \$ million) : 17
Sector : Agriculture and Natural Resources
Subsector : Agriculture, natural resources and rural development

Responsible ADB Officer: Pantja Wardani, Southeast Asia Department, Environment, Natural Resources & Agriculture Division

Status: ADB Board approved on 22 September 2016.

Description: With assistance from the Forest Investment Program (FIP) under Climate Investment Funds (CIF), the project will provide a \$17 million grant to the Government of Indonesia to address institutional, technical, and capacity-related barriers for REDD+ implementation in West Kalimantan, one of the top five provinces contributing to GHG emissions with a mean deforestation rate of 132,500 ha per year.

The project forms a part of Indonesia's forest investment plan and will complement projects by the World Bank and International Finance Corporation (IFC). The project will promote inclusive growth and environmental sustainability by investing in community-focused REDD+ activities (e.g., community-based land use planning, community-led forest monitoring and forest fire management, community-assisted forest regeneration and maintenance, community-based eco-tourism) in selected districts and/or forest management units (FMUs) to address deforestation drivers such as illegal logging, forest conversion to agriculture, and uncontrolled fires. The project will strengthen capacity of district and provincial governments in West Kalimantan, provide policy support to harmonize sub-national policies for carbon stock enhancement with national policies, and establish non-monetary incentives, safeguard systems and equitable and gender-responsive benefit sharing arrangements

The project will build on lessons from other REDD+ initiatives by the government and development partners such as Norway, Australia, Germany, Japan, and USA, and establish a sound base for performance-based REDD+ payments. By promoting sustainable forest management, the project will not only reduce GHG emissions and enhance carbon stocks but also provide livelihood co-benefits such as poverty reduction, improved quality of life for forest communities, protection of indigenous peoples' tenure rights, and enhanced conservation of biodiversity and ecosystem services.

Business Opportunities

- **Consulting Services:** A consulting firm with experience of conducting similar projects in Indonesia and/or other countries in Southeast Asia will be recruited using the quality- and cost-based selection (QCBS 90:10 due to technical importance) and full technical proposal as per ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). Individual consultant(s) will be recruited to assist in effective coordination and implementation matters.
- **Procurement:** The indicative procurement method will be national competitive bidding, in accordance with ADB's Procurement Guidelines (2013, as amended from time to time). The project envisages the use of advance contracting subject to ADB management approval and project readiness.

Equipment and assets purchased under the work will adhere to ADB's Procurement Guidelines (March 2013, as amended from time to time), and upon completion of the project, the assets will be turned over to the EA

MONGOLIA

Strengthening Community Resilience to Dzud and Forest and Steppe Fires Project

Grant No. : To be determined
Project No. : 48236-001
Amount (US \$ million) : 3
Executing Agency : National Emergency Management Agency
Sector : Agriculture and Natural Resources
Subsector : Agriculture, natural resources and rural development

Responsible ADB Officer: Shahbano Tirmizi, East Asia Department, Environment, Natural Resources & Agriculture Division

Status: ADB Board approved on 14 September 2016.

Description: The proposed project has been developed based on the request of NEMA and in close consultation with other key agencies working on DRM initiatives in Mongolia. The project will integrate and complement the on-going DRM initiatives in Mongolia and build on the lessons learnt from the work implemented by relevant partner agencies in Mongolia working on DRM. The project will explore collaboration with the Japanese Space Exploration Agency on the use of remote sensing technology in DRM.

The project is consistent with Asian Development Bank's (ADB) Interim Country Partnership Strategy for Mongolia (ICPS), 2014-2016 to support inclusive and environmentally sustainable growth. The ICPS identified that climate-related disasters, including droughts, dzud, and flashfloods, with high social and economic costs (particularly for herders) have doubled in frequency. In the livestock subsector, reduced pasture productivity and extreme cold temperatures lead to lower productivity and higher mortality rates. It further highlighted that measures to improve natural resources management and increase resilience to natural hazards are urgently required to ensure sustainable development and herders' livelihoods. The project will support NEMA in implementing its main responsibilities related to DRM, which are included under the following basic laws in Mongolia: (i) the Law on Disaster Protection; (ii) Law on Fire Safety; and (iii) Law on Forest and Steppe Fire Protection. The project is designed to support the National Program on Strengthening Disaster Prevention Capacity in Mongolia that was approved by Parliament in March 2011. The proposed project also responds to the first two priorities highlighted in the ADB Operational Plan for Integrated DRM, 2014-2020 that seeks to (i) promote an integrated DRM approach in ADB's operations; and (ii) further strengthen developing member country's integrated DRM capabilities, knowledge, and resources to reduce disaster risk and to respond to disaster events in a timely, cost-efficient manner. The project is included in ADB's non-lending pipeline as 2015 firm.

The proposed project builds on the government's recent progress in DRM. It seeks to further enhance the government's capacity in dealing with disaster risk reduction, preparedness, and response both at the national and local levels.

Business Opportunities

- Consulting Services All ADB-financed consultants will be hired following ADB's Guidelines on the Use of Consultants (2013, as amended from time to time).
- Procurement All ADB-financed procurement will be conducted following ADB's Procurement Guidelines (2015, as amended from time to time). A procurement agency will be hired to conduct procurement on behalf of the PMO and implementing agencies.

LAOS

Greater Mekong Subregion Biodiversity Conservation Corridors Project (Additional Financing)

Grant No. : 0488-LAO
Project No. : 40253-036
Amount (US \$ million) : 12.84 million
Executing Agency : Ministry of Natural Resources and Environment
Sector : Agriculture and Natural Resources
Subsector : Agriculture, natural resources and rural development

Responsible ADB Officer: Thuy Trang, Dang Southeast Asia Department, Environment, Natural Resources & Agriculture Division

Status: ADB Board approved on 9 August 2016.

Description: The Additional Financing resources will be used to scale up sustainable forest management activities of the Greater Mekong Subregion Biodiversity Conservation Corridors Project, with a view to strengthening REDD+ (Reducing Emission from Deforestation, as well as through sustainable

management of forest and forest carbon stocks conservation and enhancement, in developing countries) readiness and implementation capacity in selected districts and amongst targeted project beneficiaries.

Business Opportunities

- Consulting services: to be determined
- Procurement: to be determined

MALDIVES

Kulhudhuffushi Harbor Expansion Project

Grant No. : 0489-MLD
Project No. : 36111-013
Amount (US \$ million) : 10.5
Executing Agency : Ministry of Finance and Treasury
Sector : Transport
Subsector : Water transport (non-urban)

Responsible ADB Officer: Andri Heriawan, South Asia Department, Transport and Communications Division

Status: ADB Board approved 16 August 2016.

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). A Project Management Consultant (PMC), with a total estimated person-months of 46 (11.5 international, 34.5 national), is required to facilitate the preparation of detailed design, project management and implementation. The consulting firm will be engaged using the quality- and cost-based selection (QCBS) method with a standard quality cost ratio of 90:10.
- Procurement: All procurement of goods and works will be undertaken in accordance with ADB's Procurement Guidelines (2015, as amended from time to time). Ministry of Housing and Infrastructure (MHI) and ADB have discussed the procurement packages and procedures, and understood that international competitive bidding procedures will be used for civil works contract estimated to cost \$2 million or more. Shopping will be used for contracts for procurement of equipment worth less than \$100,000.

SRI LANKA

Supporting Electricity Supply Reliability Improvement

Grant No. : 0486-SRI
Project No. : 49216-002
Amount (US \$ million) : 119
Executing Agency : Ceylon Electricity Board
Sector : Energy
Subsector : Electricity transmission and distribution - Energy efficiency and conservation - Renewable energy generation - solar - Renewable energy generation - wind

Responsible ADB Officer: Mukhtor Khamudkhanov, South Asia Department, Energy Division

Status: ADB Board approved on 26 July 2016.

Business Opportunities

- Consulting Services: Recruitment of consultants will be in accordance with ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The consulting services include recruitment of a firm or NGO and 4 individual consulting contracts.
- Procurement: All procurement will be carried out in accordance with ADB's Procurement Guidelines (2015, as amended from time to time). There are eight International Competitive Bidding procurement packages and one National Competitive Bidding procurement package.

V. ASSISTANCE TO THE PRIVATE SECTOR

THAILAND

Distributed Commercial Solar Power Project

Project No. : 49366-001
Executing Agency : To be determined
Sector : Energy
Subsector : Renewable energy generation (solar)

Responsible ADB Officer: Won Myong Hong, Private Sector Operations Department, ADB Division Infrastructure Finance Division 2

Status: ADB Board approved on 29 August 2016.

Project description: The Project involves the development of multiple solar PV installations in Thailand up to an aggregate capacity of 100MW.

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