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March 2017

Quarterly Summary Report on Approved (A) Project Preparatory Technical Assistance Not Exceeding \$5,000,000; (B) Technical Assistance Projects Not Exceeding \$225,000; and (C) Technical Assistance Cluster Subprojects  
(October–December 2016)

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LIST OF TECHNICAL ASSISTANCE PROJECTS				
Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
<b>(A) PROJECT PREPARATORY TECHNICAL ASSISTANCE NOT EXCEEDING \$5,000,000</b>				
1	9273-AFG	Arghandab Integrated Water Resources Development Investment Program	2,100.0	8-Dec-16
2	9254-ARM	Second Water Supply and Sanitation Sector	2,400.0	5-Dec-16
3	9275-BAN	Supporting Fourth Primary Education Development Program	800.0	13-Dec-16
4	9277-BAN	Ganges-Kobadak Irrigation Modernization	225.0	14-Dec-16
5	9283-BAN	City Region Development II	612.5	15-Dec-16
6	9281-BHU	Education and Skills Development	225.0	15-Dec-16
7	9199-CAM	Third Rural Water Supply and Sanitation Services Sector Development Program	1,000.0	7-Oct-16
8	9203-CAM	Second Integrated Urban Environmental Management in the Tonle Sap Basin	1,050.0	14-Oct-16
9	9211-GEO	East-West Highway (Khevi-Ubisa Section) Improvement	1,000.0	21-Oct-16
10	9240-IND	Assam Power Transmission Improvement	225.0	24-Nov-16
11	9253-IND	Madhya Pradesh Skills Development	225.0	1-Dec-16
12	9260-IND	Madhya Pradesh Transmission System Expansion and Strengthening	225.0	2-Dec-16
13	9282-IND	Maharashtra Feeder Separation and High Voltage Distribution System	225.0	15-Dec-16
14	9284-IND	Transmission Improvement Projects in Odisha and Tamil Nadu	225.0	19-Dec-16
15	9198-INO	Sewerage System Development	1,160.0	7-Oct-16
16	9212-KGZ	Skilling and Entrepreneurship for Inclusive Growth Sector Development Program	750.0	22-Oct-16
17	9200-KIR	South Tarawa Water Supply	950.0	7-Oct-16
18	9216-MON	Sustaining Access to and Quality of Education during Economic Difficulties	800.0	3-Nov-16
19	9224-MON	Upscaling Renewable Energy Sector	1,500.0	9-Nov-16
20	9230-MON	Sustainable Tourism Development	1,100.0	14-Nov-16
21	9206-PRC	Shanxi Inclusive Agricultural Value Chain Development	500.0	14-Oct-16
22	9208-PRC	Shandong Spring City Green Modern Trolley Bus Demonstration	500.0	14-Oct-16
23	9237-PRC	Hubei Yichang Comprehensive Elderly Care Demonstration	500.0	23-Nov-16
24	9278-SRI	Solar Rooftop Power Generation	225.0	14-Dec-16
25	9268-TAJ	Achieving Food Security through Climate Resilience Dairy Value Chain Development	500.0	9-Dec-16
26	9236-UZB	Sustainable Hydropower	2,500.0	22-Nov-16
27	9262-UZB	Second Solar Power	1,000.0	5-Dec-16
28	9286-UZB	Western Uzbekistan Water Supply System Development	750.0	19-Dec-16

Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
29	9205-VIE	Ho Chi Minh City Wastewater and Drainage System Improvement	5,000.0	14-Oct-16
30	9252-VIE	Greater Mekong Subregion (GMS) Corridor Connectivity Enhancement	1,800.0	29-Nov-16
31	9242-REG	Pacific Renewable Energy Investment Facility	5,000.0	24-Nov-16
<b>(B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000</b>				
32	9269-INO	Strengthening Performance Management System in the Ministry of National Development Planning (BAPPENAS)	225.0	7-Dec-16
33	9222-LAO	Workshop for Selection and Monitoring of a Biodiversity Offset for the Nam Ngiep 1 Hydropower	70.0	7-Nov-16
34	9280-NEP	Hydroelectricity Financing	225.0	14-Dec-16
35	9207-PAK	Education Sector Assessment	225.0	14-Oct-16
36	9264-TIM	Support for Preparation of a National Coffee Sector Development Plan for Timor-Leste	225.0	5-Dec-16
37	9263-VAN	Supporting the Vanuatu Project Management Unit and the Ministry of Infrastructure and Public Utilities	225.0	8-Dec-16
38	9265-VIE	Support to Strengthening Local Health Care Program	225.0	9-Dec-16
39	9289-REG	Strengthening Policy Compliance Awareness for Good Governance and Development Effectiveness	220.0	6-Dec-16
<b>(C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS</b>				
40	9257-IND	Strengthening Climate Change Resilience in Urban India - Supporting Climate Change-Resilient Smart Cities Mission Projects (Subproject 2)	2,500.0	5-Dec-16
41	9217-REG	Promoting Urban Climate Change Resilience in Selected Asian Cities - Knowledge Management and Resilience Measurement for Urban Climate Change Resilience (Subproject 2)	4,985.0	2-Nov-16
42	9244-REG	Key Indicators for Asia and the Pacific 2018-2020 – Key Indicators for Asia and the Pacific 2018 (Subproject 1)	1,000.0	25-Nov-16
43	9287-REG	Developing Anti-Money Laundering and Combating the Financing of Terrorism Approaches, Methodologies, and Controls - Developing Risk-Based Customer Due Diligence Requirements and Tools (Subproject A)	500.0	22-Dec-16
44	9290-REG	Strengthening Project Preparation Capacity in Asia and the Pacific - Support for Ongoing Monitoring and Project Restructuring (Subproject 2)	2,860.0	28-Dec-16

<b>Seq. No.</b>	<b>TA No.</b>	<b>TA Name</b>	<b>Amount (\$'000)</b>	<b>Date Approved</b>
45	9291-REG	Strengthening Project Preparation Capacity in Asia and the Pacific - Support for the Establishment of Enabling Environment for Public-Private Partnerships (Subproject 3)	2,140.0	28-Dec-16
46	9292-REG	Strengthening Project Preparation Capacity in Asia and the Pacific - Supporting Preparation of Infrastructure Projects with Private Sector Participaticipation in Asia Pacific (Subproject 4)	18,000.0	28-Dec-17

## **(A) PROJECT PREPARATORY TECHNICAL ASSISTANCE**

### **TA 9273-AFG: Arghandab Integrated Water Resources Development Investment Program**

<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	2,100.0
<b>Business Opportunities Listing</b>	:	10 January 2017
<b>Date Approved</b>	:	8 December 2016

The program will improve the availability and use of water resources for irrigated agriculture, urban water supply, and power generation for Kandahar, Afghanistan's second largest city, and its vicinity. Located in the Arghandab River subbasin, a major tributary of the Helmand River system, the program will make the management of these water resources more efficient. The TA is needed to help the government and ADB make an informed decision on the possible investment for the Arghandab water resources development and associated water supply and electrification investment for Kandahar city and vicinity, and for the irrigation modernization investment in the Arghandab subriver basin. It will review the past studies, update feasibility-level design of dam raising investment to ensure the supply side sustainability, and carry out feasibility study to ensure efficient, dependable and equitable use of water resources to meet demand/user side requirements (hydropower, municipal water, and irrigation). It will also prepare feasibility-level design and cost estimates for all components and assess capacity building needs and prepare design and cost estimates for capacity building interventions.

**Status of Consulting Services** : Recruitment of consultants is being processed.

### **TA 9254-ARM: Second Water Supply and Sanitation Sector**

<b>Executing Agency</b>	:	Ministry of Energy and Natural Resources
<b>TA Amount (\$'000)</b>	:	2,400.0
<b>Business Opportunities Listing</b>	:	21 December 2016
<b>Date Approved</b>	:	5 December 2016

The project will focus on Yerevan city, Ararat, Armavir, and the mountainous Aragatsotn region. It aims to support the government through: (i) increased capital investments in water supply and sanitation (WSS), including wastewater treatment; (ii) reduced water pollution by reusing treated wastewater, managing ground water resources, and assisting associated regulatory reforms; (iii) improved capacity of the State Committee for Water Economy and State Committee of the Real Property Cadaster in using remote sensing technology, geographic information system, and supervisory control and data acquisition system to monitor ground water, and provide data for river basin management; (iv) piloting of new WSS system approaches in geographical areas vulnerable to drought; (v) reduced cost of services through energy efficiency improvement and regulatory reforms for non-revenue water; and (vi) strengthened capacity to support a full concession in the future. The project, once completed, will yield to: (i) improvement in the management of commercial contracts; (ii) construction and rehabilitation of water supply infrastructure; (iii) construction and rehabilitation of sanitation infrastructure; and (iv) improvement of environmental impacts and climate change resilience. As a result, there will be an increase in access to high quality and financially sustainable water supply and sanitation services. These results will have great impact to the improvement of the environmental conditions and health of residents in four main regions. The TA will prepare the project, design the sanitation and capacity building components and the water subprojects, and will pilot innovations to be developed under the project.

**Status of Consulting Services** : Consultants have been fielded.

**TA 9275-BAN: Supporting Fourth Primary Education Development Program**

**Executing Agency** : Ministry of Primary and Mass Education  
**TA Amount (\$'000)** : 800.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 13 December 2016

Supporting the Fourth Primary Education Development Program (PEDP4) will be the government's flagship program in assisting primary education development. The program aims at transforming primary education system to become more efficient, inclusive and equitable in providing quality primary education to all children in Bangladesh. Building on the achievements of previous programs, the government will implement a sector-wide program with a strong focus on strengthening the quality of education, increasing equitable access and supporting the extension of primary education from grades 1-5 to 1-8, with equitable access. PEDP4 will align with the government's commitments to increase both participation in and quality of primary education highlighted. The Third Primary Education Development Project (PEDP3) is currently planned to close on 31 Dec 2017 with PEDP4 scheduled to start from 1 Jan 2018. Analysis that will be undertaken as part of the closure of the PEDP3 must be integrated into the design of PEDP4 in a timely and effective manner. Given the scope and scale of the program, it is vital that the TA support be engaged to ensure that this analysis can be duly assimilated into PEDP4's design.

**Status of Consulting Services** : Consultants have been fielded.

**TA 9277-BAN: Ganges-Kobadak Irrigation Modernization**

**Executing Agency** : Bangladesh Water Development Board  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 14 December 2016

The project is the continuation of ADB engagement to support Bangladesh in increasing the productivity and sustainability of large scale irrigation. It aims to modernize the Ganges-Kobadak irrigation infrastructure and establish performance-based irrigation management and agriculture support services through private sector participation. The TA is required to undertake due diligence on the outputs produced by the project consultants, support ADB project team with preparing the project processing documentation, and support the executing agency in meeting project readiness criteria for Board consideration. The TA will provide expert support for quality assurance and timely project processing. Its key activities will include: (i) technical, financial and economic due diligence on existing feasibility studies and on detailed design reports; (ii) preparation of loan processing documents required for Board approval; (iii) preparation of the terms of reference and cost estimates for the project implementation consultants; (iv) facilitation of detailed designs and cost estimates approvals and civil works tendering by the Bangladesh Water Development Board; (v) support for the irrigation management operator and project implementation consultants; and (vi) support for safeguard due diligence and safeguard activities implementation start-up.

**Status of Consulting Services** : Recruitment of consultants is being processed.

## TA 9283-BAN: City Region Development II

<b>Executing Agency</b>	:	Local Government Engineering Department
<b>TA Amount (\$'000)</b>	:	612.5
<b>Business Opportunities Listing</b>	:	21 December 2016
<b>Date Approved</b>	:	15 December 2016

The City Region Development Project II (CRDP II) will build upon the achievements and lessons learned from the City Region Development Project I (CRDP I) to promote inclusive and environmentally sustainable economic growth in the two city regions along Bangladesh's Southwest Economic Corridor (SWEC), one of the promising economic corridors of Bangladesh. Recognizing the economic potential of SWEC, the Government of Bangladesh has given high priority to develop the city regions of Dhaka and Khulna. The project will support the priority infrastructure investments recommended in the Dhaka Structure Plan, and develop the physical and spatial planning in city regions to maximize economic benefits. It will also strengthen the: (i) capacity of the Khulna Development Authority to develop a resilient urban plan involving efficient land use; (ii) transportation and/or road network within Dhaka and Khulna city regions; and (iii) coordination mechanisms of various agencies involved in delivering climate- and disaster-resilient, inclusive, and environmentally sensitive infrastructure and basic services in the two city regions. The TA will undertake sector preparatory work and define the scope of the CRDP II considering the findings of the Cities Development Initiative for Asia study. It will carry out due diligence on the technical, economic, financial, governance, safeguards, gender, and social aspects for the ensuing project.

**Status of Consulting Services** : Recruitment of consultants is being processed.

## TA 9281-BHU: Education and Skills Development

<b>Executing Agency</b>	:	Ministry of Labour and Human Resources
<b>TA Amount (\$'000)</b>	:	225.0
<b>Business Opportunities Listing</b>	:	21 December 2016
<b>Date Approved</b>	:	15 December 2016

A Technical and Vocational Education and Training (TVET) Blueprint was developed in collaboration between the Government of Bhutan and ADB TA project. The TVET Blueprint 2016–2026 was officially launched in June 2016. ADB and the Government of Bhutan aim to identify elements in the Blueprint that have the potential for the greatest transformational impact on the country's economy through higher value added occupations and greater participation of the private sector. While the TVET Blueprint outlines the broad strategic directions, there is a need to prepare the detailed operational plans with prioritization of activities, costing and implementation arrangements. The TA will address the preparation of such detailed activities, costing and design of a project to be supported by ADB. The TA will have five outputs: (i) TVET Blueprint reforms and actions; (ii) labor market reviews to assess future demand for skills development; (iii) proposals with costing for institutionalizing e-learning initiatives, such as MathCloud, prepared to enhance IT skills and IT-enabled delivery of skills development with equitable access to women and to disadvantaged youth; (iv) stakeholder consultations for the implementation of the TVET Blueprint for the first five years; and (v) due diligence assessments completed with regard to gender, social and environmental safeguards and procurement capacity in order to make the design and implementation more robust and inclusive. These will support the preparation of the project that is expected to result in an improved design, quality and relevance of skills development in Bhutan aligned with the TVET Blueprint 2016–2026.



**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9199-CAM: Third Rural Water Supply and Sanitation Services Sector Development Program**

**Executing Agency** : Ministry of Rural Development  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 12 October 2016  
**Date Approved** : 7 October 2016

The program aims to support the Rural Water Supply, Sanitation and Hygiene Strategy's vision of universal access to safe water supply and sanitation services achieved by 2025. The program's outputs are: (i) decentralization of rural water supply and sanitation management; (ii) expansion of rural water supply infrastructure and services in the Tonle Sap provinces; (iii) expansion of rural sanitation in the Tonle Sap provinces; and (iv) strengthening of human resources and development of management capacity in the Tonle Sap provinces. These outputs are expected to result in improved access to safe and affordable drinking water, sanitation, and hygiene for rural areas in six provinces around the Tonle Sap Lake. The TA is needed to undertake sector preparatory work and define the scope of the ensuing program.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9203-CAM: Second Integrated Urban Environmental Management in the Tonle Sap Basin**

**Executing Agency** : Ministry of Public Works and Transport  
**TA Amount (\$'000)** : 1,050.0  
**Business Opportunities Listing** : 24 October 2016  
**Date Approved** : 24 October 2016

The project will support the government of Cambodia in improving urban services and enhancing climate resilience in four participating towns in the Tonle Sap Basin – Steung Sen, Serei Saophoan, Kampong Chhnang and Pursat. By enhancing drainage and flood protection, the project will improve climate resilience and adaption capacity in the four towns. It will also improve climate resilient urban planning and disaster risk management and strengthen institutional capacity for sector coordination and managing public investments. The TA is needed for the preparation of: (i) feasibility studies; (ii) detailed design and bidding documents, for selected subprojects under the project; (iii) a capacity development plan for Steung Sen and Serei Saophoan; and (iv) a consolidated proposal and procurement plan. It will directly build on pre-feasibility studies to be conducted under the Cities Development Initiative for Asia.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9211-GEO: East-West Highway (Khevi–Ubisa Section) Improvement**

**Executing Agency** : Road Department – Ministry of Regional Development and Infrastructure  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 25 October 2016  
**Date Approved** : 21 October 2016

The project will improve the Khevi-Ubisa section and improve operations and maintenance of

the road network, as well as road safety. Its focus on climate resilient design will contribute to mainstreaming the sustainability of Georgia's road network. The project's outputs will be: (i) 15 kilometers of new dual carriageway on the East-West Highway (EWH) between Khevi and Ubisa, constructed partly on a new alignment; and (ii) a functional and effective road network operations and maintenance system, incorporating an effective road safety program. These are expected to result into an improved efficiency for road transport along the EWH that is aligned with Georgia 2020 Strategy which aims to make Georgia a regional and logistics hub and more attractive for businesses. To help formulate the project design suitable for ADB financing, the TA will support the Road Department under the Ministry of Regional Development and Infrastructure with: (i) providing an independent technical review, covering technical and contractual aspects of the detailed design for the highway improvement works; and (ii) providing a comprehensive assessment of the country's road sector from institutional, operational, financial, and technical perspectives, including institution and capacity development activities for enhancing Georgia's existing road asset management system and road safety.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9240-IND: Assam Power Transmission Improvement**

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 24 November 2016

Assam is growing rapidly but its energy infrastructure has not kept up at the same pace. One of the major challenges is providing modern energy services to the part of the population that currently lacks access to such services. Access to affordable and reliable power supply will help in achieving the larger objectives of poverty alleviation along with industrial and economic growth in Assam. Assam Electricity Grid Corporation Limited (AEGCL) is performing power transmission functions in Assam. Its goal is to have a well-planned and strong transmission network, ensuring not only optimal utilization of transmission capacities but also of generation facilities which will further facilitate achieving ultimate objective of cost-effective delivery of reliable power to end consumers. AEGCL has to implement a number of transmission projects with the financial assistance of the government and development partners to improve the network infrastructure, and to ensure reliability and quality of supply to end consumers. The TA will support the due diligence and preparatory work for the ensuing project to ensure that a well-designed investment project will be developed which will improve readiness in implementing clean energy transmission projects.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9253-IND: Madhya Pradesh Skills Development**

**Executing Agency** : Department of Technical Education and Skill Development, Government of Madhya Pradesh  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 16 November 2016  
**Date Approved** : 1 December 2016

The project will reinforce the Government of Madhya Pradesh's efforts to modernize and reform the state's technical and vocational education and training (TVET) system so that its workforce can be equipped with the skills required by the growing secondary and tertiary sectors. It will

support the Department of Technical Education and Skill Development in strengthening the state's industrial training institute (ITI) network in line with the changing needs of the economy. It is expected that this project will result to increase in employability of its trainees and hence more productive workforce with market-relevant technical and vocational skills. The TA is required for designing the project and enhancing its readiness through appropriate advance action. Outputs of the TA will include the following: (i) detailed assessment of the strength and weaknesses of the current performance of a representative sample of industrial training institutes (ITIs) of Madhya Pradesh; (ii) institutional development plan to improve the performance and results-orientation of the ITIs in terms of the quality of training, counselling, placement services, industry engagement, and placement rates; (iii) brief master plan with different operating models and possible public-private partnership (PPP) contracts for the proposed global skills park (GSP); (iv) National Skills Qualification Framework and/or National Council of Vocational Training (NCVT)-aligned training protocols; (v) technical specifications for an information technology-based Madhya Pradesh-wide job portal and for a project management information system (MIS) linking Madhya Pradesh Council for Vocational Education and Training (MPCVET) to other departments; (vi) stakeholder analysis including a survey of youth aspirations and local demand (around selected ITIs) to identify the real skills-gap; (vii) gender analysis to identify barriers to entry of females into technical and vocational education and training (TVET) courses and careers; (viii) communication strategy to reach out to the different stakeholder groups—the youth, their parents, trainers (public and private), and industry representatives; (ix) counselling modules for different target groups—males and females, rural and urban youth, and those looking for formal placements, and those for improved rural livelihoods; (ix) gender action plan; (x) monitoring and evaluation strategy; (xi) baseline data for the design and monitoring framework; and, (xii) strategy for industry engagement.

**Status of Consulting Services** : Consultants have been fielded.

#### **TA 9260-IND: Madhya Pradesh Transmission System Expansion and Strengthening**

<b>Executing Agency</b>	:	Madhya Pradesh Power Transmission Company Limited
<b>TA Amount (\$'000)</b>	:	225.0
<b>Business Opportunities Listing</b>	:	21 December 2016
<b>Date Approved</b>	:	2 December 2016

The transmission network of the State of Madhya Pradesh is growing rapidly both in terms of size and complexity. This expansion is mainly driven by the phenomenal growth of demand of electric power, increasing number of players, location of generation pockets and implementation of open access policy. There will be substantial availability of additional power from these renewable energy projects and other independent power producers (IPPs) coming up in the state, and will result in substantial growth in the load demand in the rural areas and in the housing and commercial sectors in the urban areas. This has led Madhya Pradesh Power Transmission Company Limited to develop least-cost transmission expansion and strengthening plan. This project will cover, among others, the creation of new extra high voltage transmission lines, substations and capacity enhancement in existing substations which will supply the additional power available from IPPs and/or renewable energy projects, and cater the additional load requirement of distribution companies. The TA will support the development of a well-designed investment project to improve readiness in implementing the clean energy projects.

**Status of Consulting Services** : Recruitment of consultants is being processed.

### **TA 9282-IND: Maharashtra Feeder Separation and High Voltage Distribution System**

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 15 December 2016

The project will support the state of Maharashtra and its distribution utility to improve the efficiency of the electricity distribution network and utility financial sustainability. It proposes to take forward the initial efforts on feeder separation to improve the reliability of power supply in rural areas and facilitate 24x7 electricity supply for rural domestic and commercial consumers while providing reliable power supply for mandated number of hours for agriculture consumers. The TA will support sector, financial, economic, safeguard and technical due diligence reviews of the components of the proposed project that is expected to develop a well-designed feeder separation and high voltage distribution system. This will lead to the readiness for implementing the program to improve the sustainability of power supply in selected urban and rural areas of Maharashtra by 2020 that is aligned with the objective of Maharashtra's Power for All Program.

**Status of Consulting Services** : Recruitment of consultants is being processed.

### **TA 9284-IND: Transmission Improvement Projects in Odisha and Tamil Nadu**

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 21 February 2017  
**Date Approved** : 19 December 2016

The project aims to improve power sector performance in the state of Odisha and Tamil Nadu. It intends to finance power transmission network expansion investments to be undertaken during the 13<sup>th</sup> Five Year Plan (2018-2022) to augment and expand the power transmission system in the state of Odisha and to support additional power generation capacity in the coastal areas of Tamil Nadu. The TA will provide inputs in conceptualizing the project by undertaking power sector assessment and identifying priority transmission investments to be financed by ADB. It will assist the Tamil Nadu government in preparing the Preliminary Project Report (PPR), and the ensuing loan will be processed separately upon the Department of External Agency's approval of the PPR. It will also support the completion of technical, financial, economic and procurement due diligence for power transmission projects leading to the development of well-designed investment projects in the states of Odisha and Tamil Nadu.

**Status of Consulting Services** : Consultants have been fielded.

### **TA 9198-INO: Sewerage System Development**

**Executing Agency** : Dirgen of Human Settlements (CIPTA KARYA)  
**TA Amount (\$'000)** : 1,160.0  
**Business Opportunities Listing** : 27 January 2017  
**Date Approved** : 7 October 2016

The investment project will support the development of sewerage systems in three cities in Indonesia: Banda Aceh, Aceh; Bekasi, West Java; and Mataram, Nusa Tenggara Barat. It will support the following: (i) rehabilitation and construction of offsite and on-site systems, (ii) establishment of effective service delivery system, and (iii) implementation of public awareness

campaigns. The TA will design the project, focusing on the following outputs: (i) confirm recommended policy actions and identify the support that may be provided through the loan; (ii) design a result-based component of the loan that can support: infrastructure development; policy, legal and institutional reforms; and leverage local government spending in sanitation; (iii) develop public awareness campaigns on hygiene promotion and sanitation; (iv) assessment of climate risk vulnerability and identify adaptation and mitigation options; (v) confirmation of the overall project's financial and economic viability; and (v) confirmation of safeguard documents.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9212-KGZ: Skilling and Entrepreneurship for Inclusive Growth Sector Development Program**

**Executing Agency** : Ministry of Education and Science  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 26 October 2016  
**Date Approved** : 22 October 2016

The program will improve effectiveness and efficiency of technical and vocational education and training (TVET) at college level. It combines policy and investment support as the government is firmly committed to TVET reform. The policy component will support the government in developing and implementing an inclusive skills strategy to systematically anchor TVET in key economic sectors. The project component will improve the access and quality of TVET, address the remaining pedagogic challenges, and improve teaching and learning environments. The TA is necessary to: (i) review the technical, economic and financial viability of the program and ascertain the program rationale, scope, cost, schedule, implementation arrangements, risks and mitigation measures; (ii) ensure the compliance with ADB's Safeguard Policy Statement (2009) and identify mitigation measures and institutional strengthening; and (iii) assist the program executing/ implementing agency in advance contracting for the ensuing program.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9200-KIR: South Tarawa Water Supply**

**Executing Agency** : Ministry of Finance and Economic Development  
**TA Amount (\$'000)** : 950.0  
**Business Opportunities Listing** : 27 October 2016  
**Date Approved** : 7 October 2016

The project aims to address the factors which result in the high incidence of waterborne diseases in South Tarawa, the capital of Kiribati, through the delivery and effective management of new and rehabilitated water supply assets and improved hygiene practices. It will increase access to safe water supplies to improve health of South Tarawa's population. The TA will undertake the due diligence for the project and assist the Ministry of Public Works and Utilities (MPWU) prepare for the project. It will: (i) assist MPWU and the Public Utilities Board (PUB) 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, address environmental and social safeguards, and climate change resilience of the project; and (iii) identify and implement selected measures to strengthen project implementation capacity of MPWU and PUB.

**Status of Consulting Services** : Recruitment of consultants is being processed.

### **TA 9216-MON: Sustaining Access to and Quality of Education during Economic Difficulties**

**Executing Agency** : Ministry of Education, Culture, Science and Sports  
**TA Amount (\$'000)** : 800.0  
**Business Opportunities Listing** : 11 November 2016  
**Date Approved** : 3 November 2016

Peaking in 2011, the growth of Mongolia's economy has rapidly decelerated due to the declining foreign direct investment and falling commodity prices. This slowed growth has caused serious economic difficulties, including large revenue shortfalls and cuts in government investment, which are expected to continue beyond 2018 and further require the government to reduce inefficiency in public spending. Their negative impacts have already started being felt in the education sector, such as overcrowded classes and schools operating in multiple shifts, acute shortages of pre-primary classes, and lack of textbooks, teaching-learning materials, tools and equipment, especially in rural areas. The project aims to sustain access to and quality of pre-primary, primary, junior, and senior secondary education during the economic difficulties with emphasis on inclusiveness for vulnerable groups. The TA is necessary to: (i) conduct thematic assessments; (ii) prepare medium-term roadmap and plans; (iii) carry out due diligence and finalize project design; (iv) prepare report and recommendation of the President and project administration manual; and (v) improve project readiness.

**Status of Consulting Services** : Consultants have been fielded.

### **TA 9224-MON: Upscaling Renewable Energy Sector**

**Executing Agency** : Local Government Engineering Department  
**TA Amount (\$'000)** : 1,500.0  
**Business Opportunities Listing** : 3 October 2016  
**Date Approved** : 9 November 2016

The project will be comprised of three batches. The first batch (2018–2020) of the project targets the western region which is the least developed and the largest imported electricity-dependent region. Upon successful completion of the first batch, it will be rolled out in the other remote grid systems in the successive batches: the second batch (2020–2021) in Altai-Uliastai region, and the third batch (2022–2023) in eastern region. In this project, the government will invest in the construction, rehabilitation and installation of power plants which will potentially reduce the dependence on power import from neighboring countries from 73% to 46%. Also, it will contribute to increasing the renewable energy share in the power system from the current 10% to 13%. Switching from coal-based to renewable-based heating system in schools and hospitals under the investment program will: (i) reduce cases of respiratory diseases through improved indoor and outdoor air quality; and (ii) improve the schooling and treatment conditions through adequate and reliable heating services. The TA will focus on: (i) collecting social and poverty data; (ii) identifying project benefits by income groups; (iii) assessing affordability for accessing the renewable-based electricity and heating; and (iv) assessing types of employment opportunities, and identifying effective measures to improve employment opportunities for local people including the poor and women.

**Status of Consulting Services** : Consultants have been fielded.

### TA 9230-MON: Sustainable Tourism Development

<b>Executing Agency</b>	:	Ministry of Environment and Tourism
<b>TA Amount (\$'000)</b>	:	1,100.0
<b>Business Opportunities Listing</b>	:	21 December 2016
<b>Date Approved</b>	:	14 November 2016

The Khuvsgul Lake National Park (KLNP) in Khuvsgul *Aimag*, northern Mongolia is one of the country's most popular tourist destinations. It is now in a critical stage of development. The proposed loan will adopt an integrated approach for waste management, tourism, and inclusive planning in the KLNP, and will scale up from the Japan Fund for Poverty Reduction (JFPR)-supported grant. It will enable ADB to respond to the growing national tourism sector, and will also support regional cooperation through trans-boundary tourism planning with the Russian Federation. The TA will assess: (i) approaches which build upon the JFPR-supported grant in the KLNP and which are culturally sensitive; (ii) best-practice designs for low-impact and minimal infrastructure tailored for cold and fragile environments; (iii) financial sustainability for operation and maintenance of the project facilities; and (iv) alignment with ecological management of the KLNP. It will: (i) assess the technical, economic, and financial feasibility of the project; (ii) review safeguard requirements; (iii) conduct social surveys and consultations; (iv) develop the capacity of the Ministry of Environment and Tourism and other stakeholders for project management; and (v) prepare the project documents, including ADB's draft report and recommendations of the President and linked documents.

**Status of Consulting Services** : Recruitment of consultants is being processed.

### TA 9206-PRC: Shanxi Inclusive Agricultural Value Chain Development

<b>Executing Agency</b>	:	Shanxi Provincial Government
<b>TA Amount (\$'000)</b>	:	500.0
<b>Business Opportunities Listing</b>	:	25 October 2016
<b>Date Approved</b>	:	14 October 2016

The Shanxi Provincial Government (SPG) requested ADB to help eradicate extreme poverty and improve livelihood in the poverty-stricken areas of the province by capitalizing on the untapped potential of agriculture sector in developing rural income-generating opportunities. It needed assistance on the implementation of the People's Republic of China's (PRC) new rural development policy 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 aims at: (i) strengthening the production, processing, storage, and marketing of approximately fifteen local specialty agricultural products that have untapped market potential; (ii) increasing inclusive economic opportunities; and (iii) reducing poverty in the rural areas of Shanxi Province. To strengthen the project design, ADB will provide TA support for the: (i) inclusive business approach to select project agribusiness companies (PACs) and cooperatives most viable to form profitable and sustainable partnerships with farmers; (ii) value chain analysis to design project investment to strengthen PACs and cooperatives, and their upstream and downstream businesses; and (iii) promotion of mutually beneficial cooperation between PACs and farmers. The TA will: (i) assess the project's technical, economic, and financial feasibility; (ii) assess safeguards requirements; (iii) conduct social survey and consultations for poverty, social, and gender analyses; (iv) prepare project documents according to ADB's requirements; (v) assist the SPG in revising domestic feasibility studies and improving safeguard documents in line with ADB's

and the government's requirements; and (vi) conduct training and capacity development.

**Status of Consulting Services** : Consultants have been fielded.

#### **TA 9208-PRC: Shandong Spring City Green Modern Trolley Bus Demonstration**

**Executing Agency** : Jinan Municipal Government

**TA Amount (\$'000)** : 500.0

**Business Opportunities Listing** : 24 October 2016

**Date Approved** : 14 October 2016

Cities in the People's Republic of China (PRC) have achieved remarkable rates of urbanization and urban transport development has been vital to this development. As in many PRC cities, the levels of traffic congestion and air pollution in Jinan have worsened as its urban development progressed. The proposed project will demonstrate how a large city which has been developed with private vehicle-oriented policy can be converted to a public transport-oriented city, and change the course of urban transport development to a more sustainable direction. A trolley bus system integrated with the overall network and bus rapid transit routes is a good option for Jinan in Shandong province, as it can provide high capacity and zero emission public transport for the central area where the underground metro is restricted, and thus increase mode share. The project will review the overall public transport policy and ensure a fully integrated design and operation plan including complementary travel demand management. The TA will: (i) prepare the 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 executing and implementing agencies; (iv) conduct safeguards assessments; (v) conduct emission reduction and impact analysis on health; and (vi) conduct sustainable urban mobility assessment and strategy preparation.

**Status of Consulting Services** : Consultants have been fielded.

#### **TA 9237-PRC: Hubei Yichang Comprehensive Elderly Care Demonstration**

**Executing Agency** : Yichang Municipal Government

**TA Amount (\$'000)** : 500.0

**Business Opportunities Listing** : 29 November 2016

**Date Approved** : 23 November 2016

The project will support the development of an integrated elderly care system (ECS) in Yichang Municipality (Yichang), Hubei Province through improving the coverage and utilization of home, community, and residential services. It will develop: (i) home and community care services and facilities to help address the care needs of a broad population of elderly and support international trends of aging in place and deinstitutionalization; (ii) systems to support improved elderly care (EC) quality and capacity, including the capacity of the Civil Affairs Bureau to manage, regulate, and monitor the sector; and (iii) facilities and services, such as rehabilitation care to address unmet needs and support the integration of health and EC. The TA will carry out a detailed situation and gap analysis on ECS and services in the proposed subproject areas and at the municipal level. Based on the analysis, the TA will develop an appropriate project design, including rationale; description of outputs; financing and investment plan; detailed



costing, procurement plan, consultant selection, and implementation arrangements; safeguards due diligence and mitigation measures; legal assurances required; and a design and monitoring framework. It will develop a project administration manual, a development coordination matrix, a financial and economic analysis, financial management and procurement risk assessment of the executing agency and implementing agencies, detailed project costing, a gender plan, an environmental impact assessment and environmental management plan, conceptual designs of the EC facilities, a poverty and social analysis, a summary poverty reduction and social strategy, and a risk assessment and management plan.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9278-SRI: Solar Rooftop Power Generation**

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 14 December 2016

The Government of Sri Lanka aims to ensure sustainable development of energy resources by improving the power supply systems that provide access to electricity services to the entire population. The project will contribute to the government's goal of expanding access to electricity and developing sustainable clean energy. It will support the government's program of increasing clean power generation from solar energy. The TA is needed to develop a well-designed investment project as it will support in the completion of financial and economic, technical, governance, safeguards and procurement due diligence.

**Status of Consulting Services** : Consultants have been fielded.

#### **TA 9268-TAJ: Achieving Food Security through Climate Resilience Dairy Value Chain Development**

**Executing Agency** : Ministry of Agriculture  
**TA Amount (\$'000)** : 500.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 9 December 2016

Tajikistan has the highest level of food insecurity and is one of the most affected by climate change among the central Asian countries. This dual challenge is interlinked as the inability to address one challenge will have adverse impacts on the other. The provision of integrated support for food security and climate change is a priority objective of ADB's country partnership strategy (CPS) for Tajikistan, 2016–2020. For agriculture and natural resources sector development, the CPS proposes a two-pronged strategy consisting of: (i) improvements in agricultural productivity through adoption of climate smart technologies; and (ii) development of agricultural value chain to link farmers to markets. The core impact of the project is improved food security, increased income and sustainable development of pastureland. The objective of the TA is to design a food security investment project through climate resilient dairy value chain development by conducting social analysis that will: (i) review the government policies and strategies; (ii) prepare the Summary Poverty Reduction and Social Strategy; (iii) assess gender action plan; and (iv) assess ADB safeguards policies.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9236-UZB: Sustainable Hydropower**

<b>Executing Agency</b>	:	UzbekEnergo
<b>TA Amount (\$'000)</b>	:	2,500.0
<b>Business Opportunities Listing</b>	:	21 December 2016
<b>Date Approved</b>	:	22 November 2016

The project will modernize three existing hydropower plants (HPP), construct three new run-of-river small-sized HPPs, and provide capacity development for mini/micro HPPs development in the Republic of Uzbekistan. It will increase renewable energy, and build capacity for sustainable clean energy development. It will contribute to diversified power generation mix utilizing renewable resources, increased energy efficiency, and reduced greenhouse gas emission. The TA will prepare: (i) sufficiently detailed feasibility study for the requested sub-projects; (ii) due diligence in accordance with ADB's requirement; (iii) identify appropriate technologies and procurement strategies; and (iv) strengthen the capacity of the executing agency (EA).

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9262-UZB: Second Solar Power**

<b>Executing Agency</b>	:	UzbekEnergo
<b>TA Amount (\$'000)</b>	:	1,000.0
<b>Business Opportunities Listing</b>	:	21 December 2016
<b>Date Approved</b>	:	5 December 2016

The project aims to reinforce Uzbekistan's position as Central Asia's emerging solar hub by using modern technologies for large-scale on-grid photovoltaic (PV) plants, increasing access to reliable and clean electricity in rural areas, and preparing the solar sector for private sector investments. It has three components: (i) construction of a 100 MW on-grid crystalline PV power plant in Sherabad, Surkhandarya province; (ii) piloting energy efficient technologies and on-grid rooftop solar PV systems for selected rural health clinics; and (iii) institutional capacity building for UzbekEnergo and other stakeholders. The TA will assist the executing agencies in the technical due diligence and in procurement. It will provide study visits to leading solar manufacturers and technical institutes. It will also identify any policy gaps, including in the draft renewable energy law and solar roadmap implementation shortcomings and recommend measures to enhance readiness and enable private sector investments in solar projects.

**Status of Consulting Services** : Consultants have been fielded.

**TA 9286-UZB: Western Uzbekistan Water Supply System Development**

<b>Executing Agency</b>	:	Uzbekistan Communal Services Agency "Uzkommunkhizmat"
<b>TA Amount (\$'000)</b>	:	750.0
<b>Business Opportunities Listing</b>	:	3 January 2017
<b>Date Approved</b>	:	19 December 2016

The project will provide continuous and safe water supply that will significantly boost the coverage and quality of water supply services in district centers and in urban and rural settlements, thus benefiting a population of no less than 452,000 at project completion, within six districts of the Republic of Karakalpakstan (RK), Uzbekistan. This will bring favorable

conditions for the enhancement of local small to large scale economies, including tourism which is steadily developing in the southern area of the Aral basin. The TA will assist the government to conduct feasibility study, due diligence, and safeguard assessment for the proposed project. It will identify initial cost recovery actions and economic development activities to ensure long-term financial and environmental sustainability. The TA will also include the preparation of a gender analysis, collection of sex-disaggregated data, gender equality and social inclusion action plan, and a consultation and participation plan.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9205-VIE: Ho Chi Minh City Wastewater and Drainage System Improvement**

**Executing Agency** : Ho Chi Minh City People's Committee  
**TA Amount (\$'000)** : 5,000.0  
**Business Opportunities Listing** : 26 October 2016  
**Date Approved** : 14 October 2016

The project will strengthen Ho Chi Minh City's (HCMC) foundation as the socioeconomic growth pole of southern Viet Nam. It will finance: (i) climate resilient sewer and drainage system in the urban center; (ii) enhanced household septage management in peri-urban areas; and (iii) necessary institutional capacity strengthening for planning, designing, operation and maintenance and public participation to improve overall sector performance. The project is expected to improve wastewater and drainage collection, treatment and management in key HCMC catchments, and improve the livability and climate resilience in HCMC. Implementation of the industrial wastewater management circular will be analyzed, and necessary actions will be proposed during the TA implementation. The TA will: (i) design a project suitable for ADB financing by identifying appropriate project components and financial modalities to achieve the desired project impact; (ii) design the project in potential collaboration with Japan International Cooperation Agency and other donors to leverage its effectiveness and impact; (iii) conduct detailed assessment of technical, economic, financial, procurement and governance, safeguards, poverty reduction, social inclusion and gender mainstreaming; (iv) provide trainings to the executing and implementing agencies and activities with civil society organizations; (v) conduct stakeholder analysis and consultations to achieve project outcomes; and (vi) complete preliminary and detailed engineering designs for key components based on the feasibility study reports to ensure early startup of the project.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9252-VIE: Greater Mekong Subregion (GMS) Corridor Connectivity Enhancement**

**Executing Agency** : Ministry of Transport  
**TA Amount (\$'000)** : 1,800.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 29 November 2016

The project aims to improve international and national transport connectivity of underdeveloped provinces of Viet Nam by improving accessibility to the Greater Mekong Subregion (GMS) corridors. It comprises of upgrading the National Highways to enhance the connectivity of the provinces in the Northwestern and Central Regions, and supporting the Department of Roads Viet Nam of the Ministry of Transport in road asset management. The project is expected to accelerate economic, sociocultural and environmental development in lagging and border areas to harmonize modernization and industrialization of Viet Nam. The TA is needed to come up

with a project design that is economically, financially and technically feasible. Major outputs of the TA will be: (i) pre-feasibility studies; (ii) feasibility study of the project roads; (iii) project components and capacity building programs; (iv) safeguards planning documents, including environmental impact assessment and environmental management plans, resettlement plans, and indigenous people plan; (v) northwestern and central region-wide transport infrastructure analyses for identification and prioritization of the needed investments; and (vi) project start-up assistance including master bidding documents for each method for procuring goods, works and services.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9242-REG: Pacific Renewable Energy Investment Facility**

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 5,000.0  
**Business Opportunities Listing** : 4 January 2017  
**Date Approved** : 24 November 2016

Pacific Small Island Developing States (SIDS) are heavily dependent on diesel for power generation which has resulted in high electricity tariffs. The investment facility will target eleven of the smaller Pacific SIDS with a combined population of around 500,000. It will address the upfront financing barrier for renewable energy, promote private sector investment, develop capacity for planning and prepare renewable energy and energy efficiency projects, and support regulatory reforms. It will benefit Pacific SIDS economies through: (i) improved balance of trade by reducing fossil fuel imports; (ii) improved energy security; (iii) downward pressure on tariffs; and (iv) reduced greenhouse emissions. The facility will support the implementation of the regional Framework for Action on Energy Security in the Pacific (FAESP), which was endorsed by Pacific leaders in 2010. The TA will support the following: (i) preparation of the investment facility; (ii) preparation of the first three projects under the facility (Cook Islands, Tonga, and Republic of Marshall Islands); and (iii) detailed design and procurement for the first three projects.

**Status of Consulting Services** : Recruitment of consultants is being processed.

## **(B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000**

### **TA 9269-INO: Strengthening Performance Management System in the Ministry of National Development Planning (BAPPENAS)**

<b>Type of Technical Assistance</b>	: Capacity Development
<b>Executing Agency</b>	: National Development Planning Agency (BAPPENAS)
<b>TA Amount (\$'000)</b>	: 225.0
<b>Business Opportunities Listing</b>	: 10 January 2017
<b>Date Approved</b>	: 7 December 2016

Indonesia's National Medium Term Development Plan 2015-2019 (RPJMN) identifies ineffective and inefficient bureaucracy as a critical development constraint diminishing the country's competitiveness. The National Development Planning Agency (BAPPENAS) plays an essential and central role in helping achieve the government's medium-term development objectives. ADB has provided ongoing support to BAPPENAS to improve its systems, procedures and capabilities in analyzing the development needs of Indonesia, preparing the five-year development plans, and managing the implementation of those plans. There are two existing TA's aimed at improving BAPPENAS system performance: (i) TA 8548-INO: Aligning ADB and Country Systems for Improved Project Performance; and (ii) TA 8858-INO: Strengthening Knowledge Sharing in Indonesia. This TA will build on ADB's current assistance in improving systems for the preparation of projects and programs identified in the RPJMN. The development of the manual and implementation plan on performance management system is the TA's major output.

**Status of Consulting Services** : Recruitment of consultants is being processed.

### **TA 9222-LAO: Workshop for Selection and Monitoring of a Biodiversity Offset for the Nam Ngiep 1 Hydropower**

<b>Type of Technical Assistance</b>	: Capacity Development
<b>Executing Agency</b>	: Asian Development Bank
<b>TA Amount (\$'000)</b>	: 70.0
<b>Business Opportunities Listing</b>	: 14 November 2016
<b>Date Approved</b>	: 7 November 2016

The workshop is fully aligned with the Lao PDR Country Partnership Strategy 2012-2016, which highlighted the need to expand the country's electricity generation capacity, largely via hydropower and renewable energy schemes, as well as an expansion of transmission and distribution systems. Due to the rich biodiversity in Lao PDR and the remote location of the hydropower project, any large hydropower project tends to have a significant negative impact on Lao PDR's biodiversity. To meet the policy requirement, it becomes necessary to undertake biodiversity offsets aiming at "no net loss/net gain" of biodiversity. The workshop provided useful information which will guide ADB's and the project company's actions in relation to biodiversity offsets. The TA sponsored a two-day workshop and its associated costs, such as accommodations, transportation and other miscellaneous expenses of the participating experts. The principal objective of the workshop was to provide a forum for ADB safeguards staff, external biodiversity consultants to the Nam Ngiep 1 Hydropower Project (NNP1), and international experts on biodiversity offsets, to review current thinking, best practices and case studies on offsets, and decide how to pragmatically shape this guidance and lessons to the NNP1 and Lao PDR contexts. The follow-up to refine the offset is underway based on the guidance received during the workshop.

**Status of Consulting Services** : Consultants have been fielded.

#### **TA 9280-NEP: Hydroelectricity Financing**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Ministry of Finance  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 14 December 2016

The TA will support the Hydroelectricity Investment and Development Company Limited (HIDCL) enhance its project readiness in environmental, social safeguard, and financial risk management for future introduction of an ADB credit line. It will enable HIDCL to handle large complex projects and manage foreign exchange rate risk. It is expected to strengthen the capacity of HIDCL in financing hydroelectricity projects by enhancing HIDCL's financial, project and credit risk management system; and improving its environmental and social safeguard management. By these, investments in hydropower projects will increase.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9207-PAK: Education Sector Assessment**

**Type of Technical Assistance** : Policy and Advisory  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 25 October 2016  
**Date Approved** : 14 October 2016

The TA will carry out an education sector assessment in Pakistan. This will include a broad overview of education and skills development issues for the country as a whole, and will provide a more in-depth analysis of these issues for Sindh, which has shown keen interest in ADB's re-engagement in the education sector. The TA will assist in identifying and prioritizing potential areas for ADB support in the sector, and propose possible strategies and implementation modalities for this support. The TA will strengthen the national and provincial investment plans for improving the education sector performance which is aligned with Pakistan's national and provincial government strategies.

**Status of Consulting Services** : Consultants have been fielded.

#### **TA 9264-TIM: Support for Preparation of a National Coffee Sector Development Plan for Timor-Leste**

**Type of Technical Assistance** : Policy and Advisory  
**Executing Agency** : Ministry of Agriculture and Fisheries  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 3 March 2017  
**Date Approved** : 5 December 2016

Improvements in coffee production and processing offer one of the clearest pathways for poverty reduction and growth of the non-oil economy in Timor-Leste. Coffee is Timor-Leste's largest non-oil export and is grown by an estimated 37.6% of Timorese households. Since 2000, numerous reports by the government and its development partners have identified the

lack of industry coordination as a constraint to development of the coffee sector. The TA will support further development of Timor-Leste's coffee sector. It will help the government of Timor-Leste and relevant stakeholders to prepare a national coffee sector development plan that has a strong evidence base and can be implemented through innovative partnerships between the public and private sector. It will also support the preparation of a comprehensive, evidence-based sector development plan, implementation of selected preliminary and pilot activities to support this plan, and the establishment and initial activities of the Timor-Leste Coffee Association. This initiative is expected to result in poverty reduction through sustained improvements in the volume and quality of coffee produced by smallholder farmers.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9263-VAN: Supporting the Vanuatu Project Management Unit and the Ministry of Infrastructure and Public Utilities**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Ministry of Finance and Economic Management  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 8 March 2017  
**Date Approved** : 8 December 2016

The TA will strengthen the project management capacity of the Vanuatu Project Management Unit (VPMU), Ministry of Infrastructure and Public Utilities (MIPU), Public Works Department (PWD), and other government agencies that undertake infrastructure projects financed by ADB and other development partners. It will be undertaken to analyze institutional issues and propose ways moving forward to strengthen sustainable project management and implementation capabilities within the agencies for effective and efficient delivery of infrastructure projects in the country. It will review in detail VPMU's project management role as envisaged in the VPMU Charter and as executed during project preparation, detailed designs, procurement plan, construction, and defects liability stages of infrastructure projects. The review will look into any duplication of roles and resources between VPMU, PWD, MIPU and other government ministries or agencies. It will also assess the effectiveness of the coordination role of VPMU and other ministries in managing projects in light of an increasing public investment portfolio. It will map out the current arrangement and propose changes to strengthen Vanuatu's project management capacities.

**Status of Consulting Services** : Consultant has been fielded.

#### **TA 9265-VIE: Support to Strengthening Local Health Care Program**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Ministry of Health  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 22 December 2016  
**Date Approved** : 9 December 2016

Enhancing the local health care system is a key priority of the Government of Viet Nam. In this regard, the Ministry of Health (MOH) will spearhead the implementation of the government's Master Plan for Strengthening the Local Health Care Program (SLHCP). SLHCP will consolidate and build on efforts to improve the quality of and access to primary health care services, especially for the poor and ethnic minorities in remote, border, and disadvantaged areas. It seeks to improve the network of local health facilities (consisting of commune health

stations, district health centers, and district hospitals) to meet the changing health requirements of the population. More specifically, it will: (i) upgrade the local health facilities to meet national standards; (ii) strengthen health human resources; (iii) improve operating and financing mechanisms; and (iv) enhance local health system management. SLHCP will contribute to overall government efforts to achieve universal health coverage and promote inclusive growth. The TA will assist the government in developing an institutional development and investment framework for addressing capacity and resource gaps to help strengthen the readiness of SLHCP implementation. As a result, the quality of and access to local health systems will be strengthened toward better health outcomes, particularly in disadvantaged, remote, and mountainous areas.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9289-REG: Strengthening Policy Compliance Awareness for Good Governance and Development Effectiveness**

**Type of Technical Assistance** : Research and Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 220.0  
**Business Opportunities Listing** : 10 January 2017  
**Date Approved** : 6 December 2016

Existing information material on compliance review processes produced in 2012 has very general information about the nature of compliance review and the steps within this function. There was no distinction made for specific audiences. The development of information materials on compliance review processes targeted towards specific groups of stakeholders will help these stakeholders better understand the processes and their role should their project go through a compliance review. Information materials that will be developed for a specific audience/user will enable ADB staff, executing/implementing agencies, private sector clients and non-government organizations deal or work with each other in a compliance review more constructively with the understanding that compliance review aims to ultimately improve ADB's internal governance and development effectiveness. To address the need to improve the understanding and appreciation among ADB's development partners of ADB accountability mechanism compliance review processes as a tool to improve development effectiveness and accountability to project affected persons, the following activities will be undertaken by the TA: (i) develop guide booklets for three major ADB project stakeholders; (ii) organize validation workshops in five key developing member countries (one in each regional department); (iii) document the validation workshops; (iv) finalize knowledge products and produce prototypes for eventual mass production and translation in various languages; and (v) launch the knowledge products in ADB headquarters.

**Status of Consulting Services** : Recruitment of consultants is being processed.



### **(C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS**

#### **TA 9257-IND: Strengthening Climate Change Resilience in Urban India - Supporting Climate Change-Resilient Smart Cities Mission Projects (Subproject 2)**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Ministry of Urban Development
<b>TA Amount (\$'000)</b>	:	2,500.00
<b>Business Opportunities Listing</b>	:	21 December 2016
<b>Date Approved</b>	:	5 December 2016

The Cluster TA 0019-IND: Strengthening Climate Change Resilience in Urban India was approved on 4 November 2016. Its ultimate aim is to support improved urban infrastructure and services in selected cities under the national Smart Cities Mission, capacity-building activities (workshops, trainings, exposure visits, knowledge products), and recommendations on climate change resilience incorporated into the project preparation and design. To improve the capacity to successfully implement urban climate change-resilient projects of selected state government agencies, local governments, and special purpose vehicles, the TA subproject will support the selected cities in two key areas: (i) conduct advance climate risk and vulnerability assessments, resulting in integrated climate change-resilient urban plans and strategic and actionable recommendations to strengthen the resilience of urban infrastructure and services (drinking water supply, sewage collection, wastewater treatment, drainage, sustainable urban transport, energy efficiency); and (ii) provide technical support to select state government agencies and cities in the implementation of the Smart Cities Mission. It will include the identification of smart, innovative, and sustainable urban management projects, and support for institutional and capacity-strengthening measures, including facilitation of public-private partnerships, some of which would be considered under an ADB investment program and/or financing through a credit being established by ADB with one of the financial intermediaries.

**Status of Consulting Services** : Recruitment of consultants is being processed.

#### **TA 9217-REG: Promoting Urban Climate Change Resilience in Selected Asian Cities - Knowledge Management and Resilience Measurement for Urban Climate Change Resilience (Subproject 2)**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	4,985.0
<b>Business Opportunities Listing</b>	:	16 November 2016
<b>Date Approved</b>	:	2 November 2016

The Urban Climate Change Resilience Trust Fund (UCCRTF) aims to scale up urban climate change resilience (UCCR) especially for the urban poor across 25 secondary cities in Asia, prioritizing seven of ADB's developing member countries (DMCs), namely, Bangladesh, India, Indonesia, Myanmar, Pakistan, Philippines and Viet Nam. UCCRTF was designed to have three complementary areas of support, with different funding allocations, offered to cities in DMCs through ADB Operational Departments and Sustainable Development and Climate Change Department. The three areas are: (i) investments (70% of UCCRTF funds); (ii) urban resilience planning (20%); and, (iii) knowledge management and resilience measurement (10%). To support these three areas, the Cluster TA Promoting Urban Climate Change Resilience in Selected Asian Cities was approved on 8 April 2015, and the first Subproject for

urban resilience planning was approved on 22 June 2015. Subproject 2 will support a range of activities that generate and disseminate evidence and experience-based knowledge related to UCCR based primarily on UCCRTF supported interventions. It will support knowledge inputs to enhance the quality of existing and proposed UCCRTF interventions, and it will also use a learning-based approach to monitoring & evaluation that will enable supported projects to become generators of knowledge in the new and emerging field of urban resilience. The knowledge that emerges from ongoing work in UCCRTF supported countries and cities will be shared internally within ADB and externally beyond UCCRTF supported cities with targeted audiences in order to scale up best practices for building urban resilience.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9244-REG: Key Indicators for Asia and the Pacific 2018-2020 – Key Indicators for Asia and the Pacific 2018 (Subproject 1)**

**Type of Technical Assistance** : Research and Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 21 December 2016  
**Date Approved** : 25 November 2016

The Cluster TA Key Indicators for Asia and the Pacific 2018–2020, approved on 5 September 2016, will support the preparation of the flagship publication for the next 3 years. The publication provides: (i) the latest comprehensive compendium and analysis of trends in economic, social, financial, and environmental indicators, including those pertaining to the Sustainable Development Goals (SDGs) for ADB's regional members; (ii) a unique set of reliable and accurate statistics on global value chains (GVCs) that capture trade links across countries and industries while accounting for the complex input–output relationships involved in producing goods and services; and (iii) a special chapter that provides in-depth, data-intensive analysis of an important policy issue. Subproject 1 will cover the Key Indicators (KI) 2018 cycle and will produce the KI 2018 publication. It will support the: (i) preparation of background research papers; (ii) continued data collection from national, international, and ADB sources plus modernization of ADB database systems such as the Statistical Database System; (iii) publication of the *Key Indicators* (print and online versions), including the production of statistical tables for SDGs, country and regional trends, GVCs, and special reports; and (iv) workshops for knowledge sharing and dissemination of key results and policy recommendations.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9287-REG: Developing Anti-Money Laundering and Combating the Financing of Terrorism Approaches, Methodologies, and Controls - Developing Risk-Based Customer Due Diligence Requirements and Tools (Subproject A)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asia Development Bank  
**TA Amount (\$'000)** : 500.0  
**Business Opportunities Listing** : 10 January 2017  
**Date Approved** : 22 December 2016

The TA subproject is under the cluster regional TA Developing Anti-Money Laundering and

Combating the Financing of Terrorism Approaches, Methodologies, and Controls, which was approved on 14 December 2016. The cluster TA will support the banking and finance sectors in the developing member countries to improve the implementation of anti-money laundering and combating the financing terrorism (AML/CFT) regulatory measures, and strengthen the capacity of domestic banks and nonbank financial institutions to comply with the requirements of the Financial Action Task Force (FATF). Subproject A will support the national authorities to develop and issue AML/CFT risk-based customer due diligence (CDD) requirements and tools for domestic financial institutions that are intended to improve the implementation of national AML/CFT regulatory measures. The CDD requirements and tools will provide increased clarity regarding the risk-based approach, and the extent to which flexibility and subjectivity can be exercised within the FATF AML/CFT standards. These efforts may also target national corporate registration systems and data sources that are accessed by financial institutions (particularly domestic banks) and designated nonfinancial businesses and professions in complying with CDD requirements, so that access to and use of these increases. They will also ensure that domestic entities: (i) can access reliable and updated data; (ii) are able to generate adequate information regarding their customers and can flag issues; and (iii) when necessary, can effectively generate and submit reports regarding suspicious transactions and cash transactions.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9290-REG: Strengthening Project Preparation Capacity in Asia and the Pacific - Support for Ongoing Monitoring and Project Restructuring (Subproject 2)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asia Development Bank  
**TA Amount (\$'000)** : 500.0  
**Business Opportunities Listing** : 12 January 2017  
**Date Approved** : 28 December 2016

The Cluster TA, approved on 28 January 2016, contributes to the Asia Pacific Project Preparation Facility which provides the additional resources and technical support for the preparation of public-private partnerships (PPPs). The Subproject 2 under the Cluster TA will provide support to DMC agencies in monitoring project performance against the key performance indicators set out in the project agreements to ensure that services are delivered in accordance with the output specification. Its resources will be made available to DMC agencies to bolster their capacity to manage, administer and monitor PPP contracts. Experts will be deployed to assist DMC agencies to deal with performance management concerns and efficient contract renegotiation, if warranted. These initiatives will lead to the increase of private sector participation in infrastructure projects in DMCs.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9291-REG: Strengthening Project Preparation Capacity in Asia and the Pacific - Support for the Establishment of Enabling Environment for Public-Private Partnerships (Subproject 3)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asia Development Bank  
**TA Amount (\$'000)** : 2,140.0  
**Business Opportunities Listing** : 12 January 2017  
**Date Approved** : 28 December 2016

Subproject 3 will provide support to DMC agencies in carrying out reforms and improving existing legal, regulatory, institutional and other frameworks, with the objective of fostering private sector participation in infrastructure projects (including PPP modalities). Activities supported by the proposed subproject may include, but not limited to, changes to legislation, policy, and regulatory frameworks; and possible use of guarantees, viability gap financing, new financing vehicles, and investment incentive schemes, development of appropriate PPP project selection criteria, staff training and market and/or stakeholder awareness. With these activities, the subproject aims to enhance enabling environments in DMCs for carrying out infrastructure projects to increase private sector participation.

**Status of Consulting Services** : Recruitment of consultants is being processed.

**TA 9292-REG: Strengthening Project Preparation Capacity in Asia and the Pacific - Supporting Preparation of Infrastructure Projects with Private Sector Participation in Asia Pacific (Subproject 4)**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Asia Development Bank
<b>TA Amount (\$'000)</b>	:	18,000.0
<b>Business Opportunities Listing</b>	:	12 January 2017
<b>Date Approved</b>	:	28 December 2016

A major change in scope in the cluster TA was approved on 13 September 2016 to include an additional subproject. Subproject 4 is the mechanism through which donor contributions will be utilized primarily for project preparation and structuring. It aims to support the development of the pipeline of infrastructure projects in ADB DMCs that can attract private investment through the provision of additional resources by the Asia Pacific Project Preparation Facility. The subproject is expected to increase the delivery of high-impact, bankable, gender sensitive, socially and environmentally sustainable infrastructure projects that support sustainable economic growth and regional economic integration in Asia Pacific DMCs.

**Status of Consulting Services** : Recruitment of consultants is being processed.