



August 2017

Quarterly Summary Report on Approved
(A) Transaction Technical Assistance Not Exceeding
\$5,000,000; (B) Technical Assistance Projects Not
Exceeding \$225,000; and (C) Technical Assistance
Cluster Subprojects
(April–June 2017)

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LIST OF TECHNICAL ASSISTANCE PROJECTS				
Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
(A) TRANSACTION TECHNICAL ASSISTANCE NOT EXCEEDING \$5,000,000				
1	9332-ARM	Support to Public Efficiency and Financial Markets Program	500.0	27-Jun-17
2	9309-PRC	Preparing Air Quality Improvement Program (2017–2019) in the Greater Beijing–Tianjin–Hebei Region	1,900.0	10-Apr-17
3	9310-PRC	Gansu Internet-Plus Based Socialized Agricultural Service System Development	500.0	17-Apr-17
4	9311-PRC	Preparing Yangtze River Economic Belt Projects	2,400.0	19-Apr-17
5	9317-KAZ	Irrigation Rehabilitation Sector	1,100.0	12-May-17
6	9313-KGZ	Uch Kurgan Hydropower Plant Modernization	1,100.0	19-Apr-17
7	9323-LAO	Sustainable Rural Infrastructure and Watershed Management Sector	2,000.0	31-May-17
8	9327-MLD	Greater Male Environmental Improvement and Waste Management	600.0	6-Jun-17
9	9314-MYA	Greater Mekong Subregion East–West Economic Corridor Highway Development	2,000.0	21-Apr-17
10	9321-PNG	Health Services Sector Development Program	800.0	30-May-17
11	9336-PHI	Strengthening Infrastructure Capacity and Innovation for Inclusive Growth	5,000.0	30-Jun-17
12	9328-TON	Integrated Urban Resilience Sector	900.0	6-Jun-17
13	9319-UZB	Horticulture Value Chain Infrastructure	1,000.0	19-May-17
14	9331-REG	Strengthening Domestic Transport Connectivity in the Pacific	2,000.0	21-Jun-17
(B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000				
	None			
(C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS				
15	9325-REG	Country Diagnostic Studies in Selected Developing Member Countries (Subproject 3)	1,500.0	5-Jun-17
16	9329-REG	Promoting Urban Climate Change Resilience in Selected Asian Cities – Development of Pilot Activities and Project Development Support (Subproject 3)	6,065.0	13-Jun-17

(A) TRANSACTION TECHNICAL ASSISTANCE

TA 9332-ARM: Support to Public Efficiency and Financial Markets Program

Executing Agency	:	Ministry of Finance
TA Amount (\$'000)	:	500.0
Business Opportunities Listing	:	30 June 2017
Date Approved	:	27 June 2017

Achieving strong, inclusive economic growth is a core objective of the government of Armenia. The Armenia Development Strategy (ADS) identifies four priorities for 2014–2025: (i) employment growth; (ii) human capital development; (iii) improvement of the social protection system; and (iv) institutional modernization of public administration and governance. The program is established to support ADS objectives. It aims to strengthen fiscal sustainability and deepen financial markets in Armenia. Its outputs will be: (i) strong public debt and fiscal risk management; (ii) development of government securities market and improvement of the financial market infrastructure; and (iii) enhancement of investor base and corporate transparency laying the foundations of corporate market development. The TA is needed to facilitate program preparation and implementation. It will enable ADB to flexibly provide strategic policy advice to the Government of Armenia in preparing the program and meeting the conditions to process the loan on time.

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

TA 9309-PRC: Preparing Air Quality Improvement Program (2017–2019) in the Greater Beijing–Tianjin–Hebei Region

Executing Agency	:	Ministry of Finance
TA Amount (\$'000)	:	1,900.0
Business Opportunities Listing	:	25 July 2017
Date Approved	:	10 April 2017

The greater Beijing–Tianjin–Hebei (BTH) region is one of the core industrial areas in the People's Republic of China (PRC). It generates nearly one-third of the PRC's gross domestic product and is home to 27% of the PRC's population. It consistently experiences poor air quality caused by the region's excessive reliance on coal in the energy mix, high concentration of energy and pollution-intensive industrial enterprises, large number of cars and vehicles, and weak environmental standards and governance. Ambient air pollution poses severe health risks and contributes to about 1.2 to 2.0 million premature deaths annually in the PRC, of which a disproportionately large number of them in the greater BTH region. The measures by the Government of the PRC detailed in its Comprehensive Action Plan for Air Pollution Prevention and Control 2013–2017, introduced stringent air quality measures. The TA will provide project preparation, capacity building, and policy advisory assistance for a multiyear lending program spanning 2017–2019, which aims at improving air quality and facilitate low-carbon development in the greater BTH region. Its major outputs are the following: (i) preparatory activities for 2017 China Energy Conservation and Environment Protection Group's emission control and pollution-reduction fund project; (ii) BTH workshop; (iii) due diligence for 2018 project; and (iv) due diligence for 2019 additional financing for the China National Investment and Guaranty Corporation's Green Financing Platform Project.

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

TA 9310-PRC: Gansu Internet-Plus Based Socialized Agricultural Service System Development

Executing Agency	:	Gansu Provincial Government
TA Amount (\$'000)	:	500.0
Business Opportunities Listing	:	25 July 2017
Date Approved	:	17 April 2017

Gansu Province is the seventh largest province with a population of 26 million, of which 63.9% is rural population. In 2015, Gansu's total gross domestic product (GDP) was CNY679 billion, of which agriculture accounted for 13.3%. Agriculture is still an important means of rural livelihoods in Gansu Province, yet low productivity and low value addition of the agriculture sector limit the opportunities for income generation. The PRC has initiated internet-plus policies with the objective of integrating the agricultural sector into the wider economy through linking rural economic development approaches with information and communication technology (ICT) solutions to service delivery in rural areas. The Farmers' Supply and Marketing Cooperative Association in Gansu Province has already prepared internet-plus agriculture pilot interventions and is therefore well prepared to lead the implementation of this demonstration project for enhanced rural development. The project has the following output: (i) development of comprehensive information service and management platform; (ii) modernization of agricultural processing, storage and marketing; and (iii) modernization of agricultural production. These outputs will result to increase in income-generating opportunities from agricultural production and marketing. The impact will be increase in inclusive economic opportunities and reduction of poverty in rural areas of Gansu Province. The TA is required to produce a project design which responds to the needs of the clients and fulfills requirements and safeguards policies of ADB. ADB will provide TA support for agricultural products e-commerce applications, agricultural logistics ICT solutions, and socialized agricultural services applications to strengthen the project design in demonstrating ICT application in agricultural value chains.

Status of Consulting Services : Consultants have been fielded.

TA 9311-PRC: Preparing Yangtze River Economic Belt Projects

Executing Agency	:	Chongqing Municipal Government, Ministry of Finance, National Development and Reform Commission, State Office for Comprehensive Agricultural Development
TA Amount (\$'000)	:	2,400.0
Business Opportunities Listing	:	21 February 2017
Date Approved	:	19 April 2017

The Yangtze River, one of the busiest inland rivers for freight traffic worldwide, is home to the largest hydropower plant in the world and is the source of water for the South–North water transfer project. Nine provinces and two specially-administered cities make up the Yangtze River Economic Belt (YREB) subregion. Due to its geographical and demographical advantages, the PRC Government has identified the YREB as one of the three key 'growth engines' to ensure PRC's future economic development. The National Development and Reform Commission subsequently prepared the YREB Development Plan 2016–2030, which focuses on green development to transform economic activities involving Yangtze River subregion to protect and rehabilitate the environment. The YREB Development plan aims to strengthen access to regions along the upper and middle reaches of the Yangtze to boost growth by promoting green

development in inland regions to reduce the regional development gap between eastern, central, and western YREB subregion. The TA will help prepare the program of interrelated projects under the YREB strategic framework. The TA will deliver the following key outputs: (i) technical feasibility assessments; (ii) completion of safeguard analysis and documentation; (iii) preparation of investment plan and procurement packages; and (iv) improvement of project management capacity of the executing and implementing agencies. The TA facility is suitable to ensure a consistent approach to the YREB strategic framework by addressing cross-sectoral themes, developing local capacity for improved project implementation, enhancing project readiness, and strengthening the overall coordination and cooperation for suitable green development and environmental protection of the YREB.

Status of Consulting Services : Consultants have been fielded.

TA 9317-KAZ: Irrigation Rehabilitation Sector

Executing Agency : Republican State Enterprise KazvodKhoz
TA Amount (\$'000) : 1,100.0
Business Opportunities Listing : 25 July 2017
Date Approved : 12 May 2017

The project will contribute to the Government of Kazakhstan's development of irrigated agriculture by financing the rehabilitation of aging irrigation systems that service 253,000 hectares of gravity fed and pumped irrigation lands in five of the country's 14 provinces. It will rehabilitate and expand efficient water delivery infrastructure. Its key outputs will be: (i) upgraded irrigation infrastructure; (ii) increased water management systems and capacity in project areas; and (iii) strong KazVodKhoz's management capacity. These outputs will result in increased farm productivity through well-managed irrigation systems. The project's impact will be increase of agriculture production contribution to Kazakhstan's GDP. The TA is needed to support the project preparation. A team of consultants and national design engineering entity will be engaged to: (i) prepare the feasibility study; (ii) conduct project management due diligence; (iii) undertake financial management and procurement assessments; and (iv) conduct safeguards due diligence.

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

TA 9313-KGZ: Uch Kurgan Hydropower Plant Modernization

Executing Agency : OJSC Electric Power Plants
TA Amount (\$'000) : 1,100.0
Business Opportunities Listing : 24 April 2017
Date Approved : 19 April 2017

The project aims to: (i) increase the supply of renewable energy to meet the growing demand; (ii) improve energy security by enhancing supply reliability; and (iii) enhance the understanding of sustainable clean energy development and climate change adaptation and mitigation measures. It will increase sustainable hydropower generation in Kyrgyz Republic by: (i) modernizing Uch Kurgan hydropower plant (HPP); (ii) developing a new small HPP on the Uch Kurgan irrigation canal; and (iii) improving country capacity to develop and operate small HPPs. Its impact will be aligned with the National Sustainable Development Strategy for 2013–2017 to achieve more reliable power supply. The TA will: (i) review the technical, environmental, economic and financial

viability of the project and ascertain the project rationale, scope, cost, schedule, implementation arrangements, risks and mitigation measures; (ii) ensure the compliance with ADB's Safeguard Policy Statement, identify mitigation measures and institutional strengthening; and (iii) assist the project executing agency in advance contracting for the ensuing project.

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

TA 9323-LAO: Sustainable Rural Infrastructure and Watershed Management Sector

Executing Agency : Ministry of Agriculture and Forestry – Planning Department
TA Amount (\$'000) : 2,000.0
Business Opportunities Listing : 07 June 2017
Date Approved : 31 May 2017

The project aims to increase the profitability of the agriculture, natural resources and rural development sector by enhancing sustainable, market-oriented agricultural production together with natural resources management. It will: (i) upgrade selected productive rural infrastructure (PRI) schemes to be climate resilient, efficient, and sustainable; (ii) improve land use management within the PRI scheme watersheds; and (iii) improve institutional arrangements and capacity for good agriculture practices and sustainable watershed management. These will result in the enhancement of sustainable, market-oriented agricultural production and natural resources management in selected watersheds. The TA is needed for project preparation and detailed engineering design for core subprojects. It will identify the scope of subprojects, and prepare the financing plan, implementation arrangements, and procurement plan. It will also provide advance action support to enhance project readiness, and ensure that PRI is designed in a climate change resilient manner.

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

TA 9327-MLD: Greater Male Environmental Improvement and Waste Management

Executing Agency : Ministry of Finance and Treasury
TA Amount (\$'000) : 600.0
Business Opportunities Listing : 08 June 2017
Date Approved : 06 June 2017

The project will establish an integrated solid waste management system in the Greater Male Region of the Maldives to consist of collection, transfer, treatment using advanced waste-to-energy technology, disposal, recycling, and dumpsite closure and remediation; and strengthen institutional capacities for solid waste services delivery and environmental monitoring, with improved public awareness in reduce-reuse-recycle. It will improve climate change resilience and disaster risk management; and create a cleaner environment, contribute to reductions in the cost of electricity, and reduce greenhouse gas emissions. These solutions will result in improved access to sustainable solid waste management services in Greater Male, benefiting the poor and women. The impact of the project will be a healthy living environment in Greater Male by 2024. The TA is needed to: (i) ensure compliance of the project with ADB policy requirements including technical, economic and financial, procurement, governance, poverty, gender, environment and social safeguards; (ii) provide support to the Ministry of Environment and Energy (MEE) in

maximizing project readiness and reducing start-up delays through advance contracting; and (iii) assist MEE by working directly with the feasibility study team to streamline inputs to the project design and environmental impact assessment. It will support due diligence activities, project preparation, and relevant risk assessments for environmental safeguards, disaster, and procurement.

Status of Consulting Services : Consultants have been fielded.

TA 9314-MYA: Greater Mekong Subregion East–West Economic Corridor Highway Development

Executing Agency : Ministry of Construction
TA Amount (\$'000) : 2,000.0
Business Opportunities Listing : 31 July 2017
Date Approved : 21 April 2017

The project will develop a new arterial highway between Bago and Kyaikto of about 70 kilometers along the Greater Mekong Subregion (GMS) East West Economic Corridor (EWEC). It aims to: (i) improve connectivity between Myanmar and Thailand; (ii) enhance road access to Mon and Kayin state, demonstrating the government's commitment to improving the well-being of people in areas that have long been affected by conflict; (iii) improve access to Kyaikto, a major tourism and pilgrimage site; and (iv) build government's capacity to develop and manage arterial highways meeting international standards and ensuring road safety. These will result in more efficient and safer movement of goods and people between Bago and Kyaikto, along the GMS EWEC. The TA is needed to prepare the feasibility study and support ADB due diligence and loan processing. It will include: (i) a planning study which will define the standards for the new Bago–Kyaikto and Yangon–Bago links; (ii) a feasibility study for the Bago–Kyaikto highway including a preliminary design, social, economic and financial analysis, meeting ADB's guidelines in each of these areas, and the preparation of social and environmental safeguards documents according to ADB's Safeguard Policy Statement; (iii) a pre-feasibility study for the Yangon–Bago link; and (iv) an implementation plan including a procurement plan, procurement and financial assessments, and project implementation arrangements.

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

TA 9321-PNG: Health Services Sector Development Program

Executing Agency : Asian Development Bank
TA Amount (\$'000) : 800.0
Business Opportunities Listing : 02 June 2017
Date Approved : 30 May 2017

The program will help Papua New Guinea (PNG) convert its resources into higher human capital to drive inclusive and sustainable economic growth. It aims to: (i) enhance national public expenditure management system; (ii) implement public expenditure reforms in the health sector; and (iii) strengthen service delivery in health. These will result in more sustainable and efficient health care systems. The impact of the program is affordable, accessible, equitable, and high-quality health services for all citizens, aligned with the vision of the PNG National Health Plan (NHP). The TA is needed to ensure that the program's scope, coverage, and policy reforms align

with the PNG NHP and Development Strategic Plan (2010–2030). The TA will: (i) prepare a situation analysis of effective health service coverage; (ii) determine the scope and feasibility of project investments; (iii) prepare cost estimates and a financing plan; (iv) analyze the project's financial and economic viability and sustainability; and (v) determine implementation arrangements.

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

TA 9336-PHI: Strengthening Infrastructure Capacity and Innovation for Inclusive Growth

Executing Agency : Department of Finance
TA Amount (\$'000) : 5,000.0
Business Opportunities Listing : 29 June 2017
Date Approved : 30 June 2017

The TA grant aims to assist the Government of the Philippines in improving the delivery and quality of public infrastructure projects. The TA Grant will directly support the Department of Finance and the implementing agencies, National Economic and Development Authority (NEDA), Department of Public Works and Highways (DPWH), and Department of Transportation (DOTr), by: (i) screening and prioritizing projects for inclusion in the proposed project Infrastructure Preparation and Innovation Facility; (ii) enhancing the current management and monitoring system and structures, (iii) identifying key specialist support to augment capacity in DOF, NEDA, DPWH, and DOTr, and (iv) supporting in the implementation of a project management and monitoring system as part of the Build Build Build program. The TA will be split into two phases: phase 1 will ensure smooth and timely start-up of the project and phase 2 will implement a project management and monitoring system.

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

TA 9328-TON: Integrated Urban Resilience Sector

Executing Agency : Asian Development Bank
TA Amount (\$'000) : 900.0
Business Opportunities Listing : 09 June 2017
Date Approved : 06 June 2017

Development pressure in Tonga's capital, Nuku'alofa, is increasing due to population growth. Further investment in sustainable urban infrastructure is required, with focus on building disaster and climate change resilience. The project aims to improve living standards in Nuku'alofa and increase resilience to existing extreme natural events and threat of climate change. To achieve this, the project will: (i) implement effective flood risk management system; (ii) strengthen disaster resilience; (iii) improve water supply service in Nuku'alofa; (iv) enhance public and environmental health; and (v) upgrade and maintain other urban infrastructures. The TA is needed to: (i) assist the implementing agency to plan, design and prioritize investments to increase resilience to disasters and climate change, and increase and improve access to water and sanitation in Nuku'alofa; (ii) assess technical sustainability, economic, financial and social viability, capacity and institutional issues, address environmental and social safeguards, and climate change resilience project; (iii) identify and implement selected measures to strengthen project

implementation capacity of the implementing agencies; and (iv) conduct integrity and due diligence screenings.

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

TA 9319-UZB: Horticulture Value Chain Infrastructure

Executing Agency : Rural Restructuring Agency
TA Amount (\$'000) : 1,000.0
Business Opportunities Listing : 25 May 2017
Date Approved : 19 May 2017

The project aims to establish holistic wholesale market facilities and enhance capacity to manage market infrastructure through public-private partnership. The holistic wholesale markets will help expand horticulture export and thus promote better linkages with production, post-harvest processing and handling following international quality and safety standards. This will complement and enhance the impact of the ongoing ADB-financed Horticulture Value Chain Development Project, which helps improve access to market-based bank finance for farmers, agro-processing enterprises, owners and operators of cold storage facilities, and trading and logistics service suppliers in the horticulture value chain. The TA is needed to prepare the project with the following outputs: (i) the investment feasibility study which will assess the worthiness and sustainability of the proposed financing; (ii) the national feasibility study; and (iii) loan processing and implementation start-up support.

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

TA 9331-REG: Strengthening Domestic Transport Connectivity in the Pacific

Executing Agency : Asian Development Bank
TA Amount (\$'000) : 2,000.0
Business Opportunities Listing : 03 July 2017
Date Approved : 21 June 2017

The Pacific island countries of Solomon Islands, Tonga, and Vanuatu are the target beneficiaries of this project. The TA will provide project preparation and policy advice support to a series of ensuing projects, comprising: (i) Solomon Islands Guadalcanal Road Rehabilitation Project, (ii) Tonga Fanga'uta Lagoon Crossing Project, and (iii) an investment proposal in Vanuatu. These projects aim to improve domestic transport connectivity in the countries being covered. The TA will provide the governments of Solomon Islands and Vanuatu preparatory support for projects that will improve domestic connectivity through investments targeted at rehabilitating or upgrading existing infrastructure assets. It will provide advisory support to the government of Vanuatu to formulate a National Transport Strategy and Plan. It will also provide preparatory support for a new capital project in Tonga to improve the road network redundancy.

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

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

None.

(C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS

TA 9325-REG: Country Diagnostic Studies in Selected Developing Member Countries (Subproject 3)

Type of Technical Assistance	:	Research and Development
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	1,500.0
Business Opportunities Listing	:	09 June 2017
Date Approved	:	05 June 2017

The envisioned impact of each of the subprojects of the cluster TA will be the mainstreaming of diagnostic approaches in the development planning processes of the developing member countries (DMCs). As with previous subprojects, Subproject 3 will have two main activities: (i) conduct country, sector, and/or thematic diagnostic studies; and (ii) capacity building activities to establish knowledge collaboration with various stakeholders, support policy engagement with ADB DMCs, and disseminate the studies. It will have the following key outputs: (i) at least three publications (country, sector, and/or thematic diagnostic studies); (ii) at least three training workshops on diagnostic approaches and/or policy analysis for DMCs' development planning and relevant officials; and (iii) at least three dissemination events. These outputs will result to DMCs' medium-term development plans, poverty reduction strategies, and ADB's partnership strategies with development partners, addressing the critical constraints to inclusive and sustainable economic growth.

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

TA 9329-REG: Promoting Urban Climate Change Resilience in Selected Asian Cities – Development of Pilot Activities and Project Development Support (Subproject 3)

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	6,065.0
Business Opportunities Listing	:	20 June 2017
Date Approved	:	13 June 2017

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. UCCRTF was designed to have three complementary areas of support, with different funding allocations, offered to cities in DMCs. The three areas are: (i) investments (70% of UCCRTF funds); (ii) urban resilience planning (20%); and (iii) knowledge management and resilience measurement (10%). The cluster TA aims to support these three areas. Subproject 3 (SP3) will provide resources for piloting approaches to integrate community-led projects into ongoing or planned ADB projects, and thereby contribute to resilience building at various scales within UCCRTF cities. The expected impact of SP3 is to contribute to UCCRTF's overall goal that urban populations, especially the urban poor in selected DMC cities, are less vulnerable to the direct and indirect impacts of climate change.

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