



Asian Development Bank

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4 December 2012

Quarterly Summary Report on Approved  
(A) Preparatory Technical Assistance Projects Not  
Exceeding \$1,500,000; (B) Technical Assistance  
Projects Not Exceeding \$225,000; and  
(C) Technical Assistance Cluster Subprojects  
(July—September 2012)

**QUARTERLY SUMMARY REPORT ON APPROVED (A) PREPARATORY TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$1,500,000; (B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000; AND (C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS (July—September 2012)<sup>1</sup>**

<b>LIST OF TECHNICAL ASSISTANCE PROJECTS</b>				
<b>Seq. No.</b>	<b>TA No.</b>	<b>TA Name</b>	<b>Amount (\$'000)</b>	<b>Date Approved</b>
<b>(A) PREPARATORY TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$1,500,000</b>				
1	8152-AZE	Baku Sustainable Urban Transport Investment Program	925.000	6-Sep-12
2	8128-BAN	Coastal Towns Infrastructure Improvement	900.000	6-Aug-12
3	8145-BAN	Secondary Education Sector Investment Program	775.000	28-Aug-12
4	8154-BAN	Irrigation Management Improvement Investment Program	800.000	6-Sep-12
5	8125-CAM	Urban Water Supply and Sanitation	800.000	2-Aug-12
6	8143-FSM	Pohnpei Port Development	600.000	23-Aug-12
7	8116-IND	Advanced Project Preparedness for Poverty Reduction - Detailed Design for the SASEC Subregional Road Connectivity (Subproject 25)	1,000.000	12-Jul-12
8	8166-IND	Climate Adaptation through Sub-Basin Development	1,140.000	20-Sep-12
9	8138-INO	Regional Roads Development II	1,500.000	8-Aug-12
10	8107-KGZ	CAREC Corridor 3 (Bishkek-Osh Road) Improvement, Phase 4	1,000.000	5-Jul-12
11	8150-LAO	Water Supply and Sanitation Sector	800.000	3-Sep-12
12	7122-PHI	Water District Development Sector (Supplementary)	70.000	20-Sep-12
13	8115-PHI	Solid Waste Management Sector	1,000.000	16-Jul-12
14	8117-PHI	The Procter & Gamble Company Waste to Worth Project	385.000	17-Jul-12
15	8169-PHI	Angat Water Transmission Improvement	800.000	13-Sep-12
16	7416-PRC	Inner Mongolia Road Development (Supplementary)	220.000	13-Sep-12
17	8112-PRC	Guangdong Chaonan Water Resources Protection and Conservation Demonstration	700.000	10-Jul-12
18	8149-PRC	Yunnan Pu'er Regional Integrated Road Network Development	750.000	3-Sep-12
19	8151-PRC	Hubei Huanggang Integrated Urban Environment Improvement	750.000	4-Sep-12
20	8158-PRC	Guangxi Nanning Vocational Education Development	750.000	10-Sep-12

<sup>1</sup> In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

LIST OF TECHNICAL ASSISTANCE PROJECTS				
Seq. No.	T A No.	T A Name	Amount (\$'000)	Date Approved
21	8172-PRC	Jilin Urban Services Improvement	850.000	13-Sep-12
22	8130-SOL	Outer Island Renewable Energy	750.000	10-Aug-12
	8130-SOL	Outer Island Renewable Energy (Supplementary)	250.000	27-Sep-12
23	8146-TIM	Road Network Upgrading (Sector)	300.000	29-Aug-12
24	8142-UZB	Takhiatash Power Plant Efficiency Improvement	1,200.000	16-Aug-12
25	8171-VIE	Urban Environment and Climate Change Adaptation	1,000.000	21-Sep-12
26	7459-REG	Greater Mekong Subregion Biodiversity Conservation Corridors (Supplementary)	1,100.000	10-Jul-12
27	7660-REG	Trade Facilitation: Improved Sanitary and Phytosanitary (SPS) Handling in Greater Mekong Subregion (GMS) Trade (Supplementary)	150.000	11-Sep-12
<b>(B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000</b>				
28	8155-CAM	Strengthening Development Partner Coordination in Cambodia	175.000	30-Aug-12
29	8137-GEO	Georgia Investment Forum	170.000	12-Jul-12
30	7038-INO	Enhancing the Legal and Administrative Framework for Land (Supplementary)	200.000	13-Jul-12
31	8139-LAO	Strengthening National Commission for Advancement of Women Network in the Ministry of Public Works and Transport	225.000	9-Aug-12
32	8113-MYA	Support for Trade Policy Development	225.000	16-Jul-12
33	8114-MYA	Capacity Development Support for Improving the Business Climate	225.000	16-Jul-12
34	8136-MYA	Myanmar Tourism Master Plan	225.000	5-Jul-12
35	8156-MYA	Improving Fiscal Revenue Mobilization	225.000	16-Aug-12
36	8135-PHI	Design of a Pilot Project to Improve Environmental Conditions of Estero de Paco	220.000	8-Aug-12
37	7827-REG	Strengthening Climate Risk and Resilience Capacity of Pacific Developing Member Countries, Phase I (Supplementary)	195.000	29-Aug-12
38	7859-REG	Asian Development Outlook 2012 (Supplementary)	22.000	5-Jul-12
39	8039-REG	Support for the Preparation of Harmonized Regional Cross-Sector and Thematic Assessments, Strategies and Roadmaps for a Regional Cooperation Strategy for Southeast Asia, 2013-2015 (Supplementary)	30.000	21-Aug-12
40	8120-REG	Grid Integration of Renewable Energy Sources and Solar Energy Technologies	130.000	23-Jul-12
41	8131-REG	Strengthening Gender Capacity in SERD DMCs	225.000	14-Aug-12
42	8176-REG	Prevention and Detection of Fraud and Corruption	200.000	25-Sep-12

LIST OF TECHNICAL ASSISTANCE PROJECTS				
Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
43	8211-REG	Designing a Framework for the Asia SME Finance Monitor	225.000	28-Sep-12
<b>(C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS</b>				
44	8129-IND	Advanced Project Preparedness for Poverty Reduction - Updating Load Forecasting and Power System Master Plan for Assam (Subproject 26)	400.000	3-Aug-12
45	7627-REG	Enabling Climate Change Responses in Asia and the Pacific - Capacity Development to Address Climate Change (Subproject 3) (Supplementary)	600.000	5-Jul-12
46	7645-REG	Enabling Climate Change Responses in Asia and the Pacific - Strengthening Planning Capacity for Low Carbon Growth in Developing Asia (Subproject 4) (Supplementary)	135.020	24-Aug-12
47	8018-REG	Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific - Promotion of Investment in Climate Technology Products through Venture Capital Funds (Subproject 1) (Supplementary)	2,900.000	6-Jul-12
48	8109-REG	Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific - Integration of Climate Technology Financing Needs into National Development Strategies, Plans, and Investment Priorities (Subproject 3)	1,059.091	5-Jul-12
49	8122-REG	Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific - Project Management (Subproject 4)	300.000	23-Jul-12
50	8132-REG	Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific - Promotion of Direct Investment in Priority Climate Technology Projects (Subproject 5)	1,000.000	3-Aug-12
51	8168-REG	Implementation of Sustainable Transport in the Asia and Pacific Region - Promoting Socially Sustainable Transport through Improving Nonmotorized Transport (Subproject 4)	2,000.000	19-Sep-12

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

### **1. TA-8152-AZE: Baku Sustainable Urban Transport Investment Program**

<b>Executing Agency</b>	:	Ministry of Finance
<b>TA Amount (\$'000)</b>	:	925.0
<b>Business Opportunities Listing</b>	:	8 November 2012
<b>Date Approved</b>	:	6 September 2012

The Government of Azerbaijan, the Ministry of Transport and Baku Metro Company requested ADB to help improve its urban transport system, provide technical and financial support to upgrade the urban infrastructure in Baku, and strengthen the urban transport sector. The TA will have two main activities: (i) prepare the multitranche financing facility (MFF) components (roadmap, investment plan, and policy reform framework), and (ii) prepare due diligence of each subproject to be financed under tranche 1 including safeguards, procurement and financial management assessments.

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

### **2. TA-8128-BAN: Coastal Towns Infrastructure Improvement**

<b>Executing Agency</b>	:	Local Government Engineering Department
<b>TA Amount (\$'000)</b>	:	900.0
<b>Business Opportunities Listing</b>	:	18 April 2012
<b>Date Approved</b>	:	6 August 2012

The Coastal Towns Infrastructure Improvement will assist the Government of Bangladesh in improving the urban environment in vulnerable coastal towns of Bangladesh, which suffer deficits in basic urban services and are severely at risk to the impacts of climate change. The project will provide climate resilient municipal infrastructure and will strengthen local governance and capacity for sustainable service delivery and urban planning, and enhance natural disaster preparedness. The TA is needed for conducting technical, economic, financial, governance, safeguards, gender and social due diligence as part of the feasibility study and project design for the ensuing ADB loan.

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

### **3. TA-8145-BAN: Secondary Education Sector Investment Program**

<b>Executing Agency</b>	:	Ministry of Education
<b>TA Amount (\$'000)</b>	:	775.0
<b>Business Opportunities Listing</b>	:	23 August 2012
<b>Date Approved</b>	:	28 August 2012

The Secondary Education Sector Investment Program (SESIP) will assist the Government of Bangladesh in improving the quality and relevance of equitable secondary education which will be achieved via implementing reforms integrated in an agreed secondary education framework. The TA will design the SESIP based on the agreed implementation strategy with a time horizon of 10 to 12 years in a MFF modality. Key TA activities which require consultants' inputs are the following: (i) updating of the quantitative and qualitative assessment of outputs and progress of implementation of the National Education Policy (lessons learned, gap analysis, capacity assessment of decentralized management of secondary education, updated subsector analysis, etc.); (ii) facilitation of policy dialogues with government, development partners and other major

stakeholders to confirm and specify recommendations for phased implementation of implementation strategy and modality for the sector-wide approach (organization of the Secondary Education Policy Workshops); (iii) study and development of appropriate modality with public-private partnership (PPP); and (iv) development of program design including program rationale, economic and financial analysis, risk analysis, financial plan, cost estimate and program due diligence etc.

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

#### **4. TA-8154-BAN: Irrigation Management Improvement Investment Program**

**Executing Agency** : Bangladesh Water Development Board (BWDB)  
**TA Amount (\$'000)** : 800.0  
**Business Opportunities Listing** : 1 November 2012  
**Date Approved** : 6 September 2012

Ministry of Water Resources and BWDB acknowledge the need for introducing more sustainable options for managing major irrigation systems and to move away from conventional approaches. These have clearly failed to address systemic issues, and to date, success on prior ADB-financed projects in the medium and large scale irrigation sector at best has been mediocre. To better address the situation and given that outputs of two prior technical assistance are outdated, there is a need to undertake a fresh TA to (i) synthesize recommendations of the two prior TAs; (ii) update their associated output documents for technical, economic, and social viability; and (iii) prepare the necessary due diligence for an investment program to be financed from loans under a MFF. Active stakeholder consultation will be continued to ensure maximum commitment to the approach. It will address due diligence requirements for the MFF Program and support investment preparation to be financed through tranche 1 of the MFF, including the (i) physical modernization of the Muhuri Irrigation Project (MIP), and (ii) the establishment of a specialized management unit in the MIP.

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

#### **5. TA-8125-CAM: Urban Water Supply and Sanitation**

**Executing Agency** : Department of Potable Water Supply, Ministry of Industry, Mines and Energy (MIME)  
**TA Amount (\$'000)** : 800.0  
**Business Opportunities Listing** : 16 November 2012  
**Date Approved** : 2 August 2012

There is an urgent need to support the Government in the development of the urban water supply and sanitation sector in Cambodia and to identify appropriate projects and implementation options with them, including potential engagement with the private sector. The Government has identified a number of priority projects to be covered under the ensuing loan projects and has prepared outline technical studies for some of the proposed project components. The TA will (i) review and assist in the update of long and medium term development plans for the sector; (ii) assist the EA to prioritize project components; (iii) determine the feasibility of the proposed investments for infrastructure construction and service improvements covering (a) preliminary engineering designs, (b) cost estimates and financing plans, (c) financial and economic viability and sustainability, (d) environmental and social soundness (including documentation and consultation), and (e) detailed implementation and procurement arrangements; (iv) prepare an institutional development and capacity building program; and (v) prepare a terms of reference for

a capacity development TA to assist MIME in developing the sector and implementing institutional changes to strengthen economic and technical regulation.

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

#### **6. TA-8143-FSM: Pohnpei Port Development**

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 600.0  
**Business Opportunities Listing** : 19 November 2012  
**Date Approved** : 23 August 2012

The proposed project will improve connectivity of FSM for movement of people and goods. This will lead to enhanced access to socio-economic opportunities for the people of FSM. The Pohnpei port, located in the national capital island of Pohnpei, is the largest and most commercially important of FSM's ports. The TA is required to (i) reach consensus regarding the scope of the project, (ii) conduct the due diligence, (iii) perform assessments, (iv) undertake activities to strengthen EA and IA capacity, (v) familiarize executing and implementing agency with ADB policies and procedures on safeguards, procurement, financial management, audit and administrative requirements, and (vi) familiarize the ADB team with national and state government policies, procedures and requirements to process the loan under proposed institutional and financing arrangements.

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

#### **7. TA-8116-IND: Advanced Project Preparedness for Poverty Reduction – Detailed Design for the SASEC Subregional Road Connectivity (Subproject 25)**

**Executing Agency** : Department of Economic Affairs  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 1 November 2012  
**Date Approved** : 12 July 2012

The TA will comprise 2 components: (i) Road Component and (ii) Land Customs Station (LCS) Component. Both involve two major studies: (i) Prepare Detailed Engineering Design and (ii) Finalization of Safeguard Documents. Preparation of detailed engineering design includes detailed LCS layout and design, detailed highway design, design of pavement and overlay with options for flexible or rigid pavements, design of bridges and cross drainage structures and grade separated structures, design of service roads, quantities of various items, detailed working drawings, detailed cost estimates, economic and financial viability analyses, environmental and social feasibility, social and environmental action plans as appropriate and documents required for tendering the project on commercial basis for international competitive bidding. Finalization of safeguard documents entails update and finalization of environmental impact assessment (EIA) report, including environmental management plan, resettlement plan (RP) and resettlement action plan and indigenous peoples' safeguard documents, if required.

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

#### **8. TA-8166-IND: Climate Adaptation through Sub-Basin Development**

**Executing Agency** : Public Works Department  
**TA Amount (\$'000)** : 1,140.0

**Business Opportunities Listing** : 7 September 2012  
**Date Approved** : 20 September 2012

Climate Adaptation through Sub-Basin Development Investment Program aims to establish institutions and systems in the State of Tamil Nadu to help local communities adapt to climate change with advancement of integrated water resources management (IWRM) and knowledge base. TA 7417-IND: Support for the National Action Plan on Climate Change (TA 7417), approved in 2009, produced a sub-basin profile and framework for climate change adaptation plan for the Cauvery Delta. The State is willing to implement outputs of this TA including the investment strategy. The project preparatory TA is necessary to support modeling and other analysis recommended under TA 7417, and preparation of the investment program and tranche 1 in accordance with the Government of India's and ADB's standards and expectations. A strategic roadmap for IWRM in the sub-basin needs to be prepared with broad stakeholder participation. As to the specific investment, an MFF tranche 1 package will be prepared with feasibility and safeguards studies.

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

#### **9. TA-8138-INO: Regional Roads Development II**

**Executing Agency** : Directorate General of Highways, Ministry of Public Works  
**TA Amount (\$'000)** : 1,500.0  
**Business Opportunities Listing** : 21 August 2012  
**Date Approved** : 8 August 2012

The proposed project is a priority in the Government of Indonesia's key infrastructure development plan. Major activities of the TA are: (i) inception; (ii) feasibility study; and (iii) project design. These include: (a) for inception, the preparatory activities; (b) for the feasibility study, the activities for project preparation, which will cover engineering, economic, social, and environmental aspects. The engineering study will include geological, topographical, hydrological surveys, preliminary pavement design, detailed cost estimates, and implementation plan. The economic study will conduct traffic surveys and assess the economic feasibility of the project. The financial analysis will include financial management assessment of the executing and/or implementing agency and financial analysis of the project. The social and environmental studies will prepare reports on environment assessment, poverty and social assessment, gender analysis and Gender Action Plan and resettlement plans, creation of a stakeholder communication strategy, and consultation plan and community engagement plans; and (c) for project design, preparation of drafts of the report and recommendation of the president, the project administration manual, and all the linked documents necessary to get ADB Board approval of the ensuing loan project.

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

#### **10. TA-8107-KGZ: CAREC Corridor 3 (Bishkek-Osh Road) Improvement, Phase 4**

**Executing Agency** : Ministry of Transport and Communications  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 17 July 2012  
**Date Approved** : 5 July 2012

The proposed project will improve national and regional connectivity by rehabilitating an estimated 130 kilometers (km) of crucial road sections between Bishkek and Osh. Its impact will



be improved connectivity and access to markets. The outcome will be efficient movement of freight and passenger traffic along the Bishkek-Osh road. The outputs will be (i) 60 km of rehabilitated road from Bishkek to Kara Balta, (ii) 70 km of rehabilitated road from Madaniyak to Jalalabad, (iii) strengthened road asset management system, and (iv) improved road safety. The TA consultant will build on existing project information, carry out a feasibility study and preliminary design for the project road. Among the TA's major outputs will be (i) a procurement plan, (ii) draft bid documents, (iii) project administration manual, and design and monitoring framework, (iv) final feasibility study report, (v) road sector assessment report, (vi) initial environmental examination report, (vii) draft RP, (viii) indigenous peoples report, (ix) poverty and social report, (x) financial analysis report, risk assessment and risk management plan (financial, procurement, governance), (xi) economic analysis report, (xii) road safety action plan, and (xiii) road asset management plan.

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

## **11. TA-8150-LAO: Water Supply and Sanitation Sector**

**Executing Agency** : Department of Housing and Urban Planning, Ministry of Public Works and Transport  
**TA Amount (\$'000)** : 800.0  
**Business Opportunities Listing** : 23 November 2012  
**Date Approved** : 3 September 2012

The TA will assist the Government to update its sector policies, prepare two to three sample subprojects for a new water supply system and an expansion of an existing system, design a sector investment project, and develop eligibility and evaluation criteria for selected subprojects based on previous projects. It will explore new technologies, including energy efficient pumps and/or decentralized wastewater treatment. The TA will adequately address the following aspects relating to the ensuing project: (i) detailed EA, and IA capacity assessments, with remedial action plan to build EA and IA capacity to minimize procurement and financial management risks; (ii) proposed or indicative loan related procurement plan with suggested level of priority or, if applicable, post review based on EA and IA assessment; (iii) indicative implementation schedule with proposed sequencing of consultant recruitment and procurement bidding and awarding; (iv) a draft project performance management system; and (v) administration of seminars and workshops.

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

## **12. TA-7122-PHI: Water District Development Sector (Supplementary)**

**Executing Agency** : Local Water Utilities Administration (LWUA)  
**TA Amount (\$'000)** : 70.0  
**Business Opportunities Listing** : 22 November 2007  
**Date Approved** : 20 September 2012

The TA was first approved on 10 September 2008 and became effective on 9 October 2008. Its main objective is to improve access to water supply in provincial cities to be financed by the ensuing sector loan. Following the review of the consultants' draft final report, it was found that further review was recommended for the loan's funds channeling arrangements and for safeguards. The additional funding will cover expenses for the following activities: (i) conduct additional due diligence to update the investment programs in the three water districts, and identify additional water districts and LWUA as a possible fund channeling conduit; (ii) explore and conduct due diligence on alternative fund channeling conduits, i.e. government financing

institutions such as Land Bank of the Philippines and Development Bank of the Philippines; and (iii) develop, if appropriate and necessary, a fund channeling mechanism potentially including both LWUA and one of the government financing institutions.

**Status of Consulting Services** : Consultant's work is ongoing.

### **13. TA-8115-PHI: Solid Waste Management Sector**

**Executing Agency** : Department of Environment and Natural Resources  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 7 November 2012  
**Date Approved** : 16 July 2012

The proposed project will help improve the quality of urban environmental conditions and achieve the environmental targets of the Philippines Development Plan. Consultant support is required for preparing a feasibility study to develop the sector loan project and confirming its viability. The ensuing project will comprise the following outputs: Output 1: solid waste management plans of selected local government units (LGUs) prepared; Output 2: investment projects for priority solid waste management facilities completed; and Output 3: project management and institutional capacity improved. The TA will be implemented in two phases, which may partly overlap. The first phase will prepare a short-list of three LGUs suitable for participation and develop solid waste management plans for them. The second phase will (i) prepare subproject appraisal reports for the short-listed LGUs prioritizing components suggested by the solid waste management plans; (ii) determine the viability of the proposed investments through feasibility studies and preliminary design; and (iii) prepare an institutional capacity development program.

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

### **14. TA-8117-PHI: The Procter & Gamble Company Waste to Worth Project**

**Executing Agency** : The Procter & Gamble Company (P&G)  
**TA Amount (\$'000)** : 385.0  
**Business Opportunities Listing** : 23 August 2012  
**Date Approved** : 6 September 2012

The objective of the TA is to support the preparatory work necessary to confirm feasibility of a sustainable integrated municipal solid waste management plan, including construction of waste-to-energy plants in Angeles City, Pampanga, and Antipolo City, Rizal, Philippines. It will further incentivize P&G to replicate this in other parts of the Philippines and other countries where it has operations, if proven feasible and cost effective. P&G has the financial muscle to fund projects like this but initially seeks ADB's support and participation to show a stamp of legitimacy and attract potential stakeholders to participate in the proposed project and ensure its sustainability. The proposed project is consistent with P&G's long-term vision of powering its plants with 100% renewable energy and having zero manufacturing waste going to landfills.

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

### **15. TA-8169-PHI: Angat Water Transmission Improvement**

**Executing Agency** : Metropolitan Waterworks and Sewerage System (MWSS)  
**TA Amount (\$'000)** : 800.0

**Business Opportunities Listing** : 19 July 2012  
**Date Approved** : 13 September 2012

The proposed project will secure raw water supply to the 13 million inhabitants of the MWSS service area, through the rehabilitation of the Angat transmission line. It is estimated that, currently, each day about 800,000 cubic meter (m<sup>3</sup>) or 20% of the total potential capacity of raw water is lost due to leakage of the aqueducts. The main components of the Angat transmission line are as old as 50 years, in poor condition, and not in compliance with structural and seismic requirements, risking the partial interruption of Metro Manila's water supply. The TA is required to (i) assess technical feasibility, and financial and economic viability of proposed investments; (ii) define the scope of work and phasing of the investment; and (iii) prepare all documents required for ADB's and the Government's approval of the loan.

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

#### **16. TA-7416-PRC: Inner Mongolia Road Development (Supplementary)**

**Executing Agency** : Inner Mongolia Communications Department  
**TA Amount (\$'000)** : 220.0  
**Business Opportunities Listing** : 1 December 2009  
**Date Approved** : 13 September 2012

The TA was first approved on 4 December 2009 to (i) review the government feasibility study, EIA, RP, and ethnic minority development plan (EMDP) prepared to support the ensuing project, and assist the EA in developing these documents to ensure that the ensuing project is suitable for ADB financing; and (ii) identify and clarify the design and scope of supplementary project components that would support and strengthen the transport sector performance in Hulunbeier. The additional funding is approved alongside a major change in scope where (i) upgrading of two Class III highway sections to half Class I standard has been reduced to only one as the other was proven to be economically unviable, and (ii) link roads that connect the remaining economically viable Manzhouli—Altanemel road to nearby villages, as well as some rural roads and border connecting roads, are to be included within the project scope in order to enhance the contribution to social development and poverty reduction. The increase in TA amount is needed to update the safeguard documentation prepared in 2010 (EIA, environmental management plan, RP and EMDP) and to carry out due diligence on the modified and new project components.

**Status of Consulting Services** : Consultants' work is ongoing.

#### **17. TA-8112-PRC: Guangdong Chaonan Water Resources Protection and Conservation Demonstration**

**Executing Agency** : Guangdong Provincial Government  
**TA Amount (\$'000)** : 700.0  
**Business Opportunities Listing** : 16 July 2012  
**Date Approved** : 10 July 2012

The proposed project will help protect water resources and improve water security in Chaonan District, Shantou Municipality, Guangdong Province. It will improve water supply for the district residents by integrating urban–rural water supply systems and reducing water losses. It will also support watershed management, water quality monitoring, and public awareness building to protect water resources from pollution. Since the Chaonan District Government has no experience with externally financed projects and is not familiar with ADB's project preparation

requirements, the TA is provided to (i) help prepare a project that complies with ADB's and the Government's requirements; (ii) ensure that the project is suitable for ADB financing; and more importantly, (iii) introduce international good practices in project design. It will (i) assess the project's technical, financial, and economic feasibility; (ii) review environmental and social safeguards compliance; (iii) prepare and revise project documents to meet ADB's requirements; (iv) assist in preparing project implementation schedules; and (v) conduct training and capacity development.

**Status of Consulting Services** : Consultant's work is ongoing.

#### **18. TA-8149-PRC: Yunnan Pu'er Regional Integrated Road Network Development**

**Executing Agency** : Yunnan Pu'er Municipal Government (PMG)  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 22 August 2012  
**Date Approved** : 3 September 2012

The PMG has proposed a project with the following components: (i) Pu'er City rural road construction (upgrade of 600 km of rural earthen roads), (ii) rehabilitation of the Ning'er-Jiangcheng-Longfu road (253 km), and (iii) construction of the Simao-Ning'er road (50 km). The proposed project will contribute to inclusive growth and regional integration by connecting isolated rural communities and border areas to the regional road network and providing infrastructure to support trade and regional cooperation between PRC, VIE, LAO and MYA. The TA is required in order to prepare a suitable project for ADB financing. It will (i) review the project component plans and designs and suggest ways to enhance the quality of the Project; (ii) help to define the scope and design of the project components and community development activities; (iii) ensure that the EA and IAs have the capacity to successfully implement the Project and conduct any training or capacity development required to ensure such capacity; (iv) validate the feasibility studies; (v) conduct the economic and financial analyses; (vi) in cooperation with the EA, local stakeholders and ADB, design community development component to enhance the benefits of the proposed roads; and (vii) ensure that the EA adheres to ADB's Safeguard Policy Statement, 2009 covering resettlement, the environment, ethnic minorities, social and gender issues during project preparation.

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

#### **19. TA-8151-PRC: Hubei Huanggang Integrated Urban Environment Improvement**

**Executing Agency** : Huanggang Municipal Government (HMG)  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 11 September 2012  
**Date Approved** : 4 September 2012

The proposed project aims to promote environmentally sustainable and socially inclusive urbanization in Huanggang Municipality in Hubei Province through improvements in urban environmental infrastructure and management services. It will support urban lake and river enhancement, solid waste management, urban roads and associated utility networks, and capacity development of related urban services. The proposed project is multisector and technically complex, requiring full-scale due diligence in technical, economic, financial, social, resettlement, environmental and institutional aspects, through the TA. Phase 1 of the TA will involve a team of urban planners and social development expert to (i) conduct a peer review of the development plan for the East New District, (ii) help HMG develop and implement participatory urban planning and development for the East New District, (iii) assist HMG in initial plan for

economically and socially integrated rural-urban transition in Huanggang, and (iv) refine the project scope to improve the environmental sustainability and social inclusiveness of urbanization in Huanggang. Phase 2 will build on the work from Phase 1 where a consulting firm will prepare a comprehensive project feasibility study for an investment project for ADB loan financing.

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

## **20. TA-8158-PRC: Guangxi Nanning Vocational Education Development**

**Executing Agency** : Nanning Municipal Government Project Management Office  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 23 August 2012  
**Date Approved** : 10 September 2012

The proposed project will help improve the capacity and effectiveness of social services focused technical and vocational education and training (TVET) in Nanning. It will support improvement of No. 4 Vocational Secondary School and Nanning Health School, thereby creating a cadre of qualified kindergarten teachers and nurses to address current skilled worker shortages and inadequate extension of social services. It will be only the second ADB-financed TVET investment project in the PRC, and will play a demonstration role for the sector and provinces seeking to provide quality public social services. The investment project components are likely to include capacity building and piloting innovative approaches, upgrading of TVET facilities, and procurement of training and teaching equipment. The TA is required to prepare the investment project for possible funding by the ADB.

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

## **21. TA-8172-PRC: Jilin Urban Services Improvement**

**Executing Agency** : Jilin Provincial Government  
**TA Amount (\$'000)** : 850.0  
**Business Opportunities Listing** : 24 August 2012  
**Date Approved** : 13 September 2012

The proposed project will support the development of Baishan and Baicheng Cities in Jilin Province as livable and resource efficient medium-sized cities. It will address urgent infrastructure needs and make provision for (i) streamlining integrated solid waste management based on the principles of reduce, reuse, and recycle; (ii) improving water supply services in Baishan; and (iii) constructing urban roads with associated facilities in Baicheng. It is a multisector and technically complex project—requiring full scale due diligence in technical, economic, financial, social, resettlement, environmental, and institutional aspects through a project preparatory TA. The TA will have the following expected outputs and activities: (i) an inception report, outlining the overall implementation plan, to be submitted within the first month from the commencement of consulting services; (ii) an interim report, confirming the selected components with a detailed assessment of the project along with key policy and specific project-related issues, to be submitted within the fourth month from commencement of services; (iii) draft EIA, RPs, EMDP, gender action plan, and social action plan, to be submitted within the sixth month from commencement of services; (iv) governance risk assessments, including aspects of public financial management, procurement, and anti-corruption, to be submitted within the sixth month from commencement of services; (v) a draft final report, with a detailed assessment of the technical, financial, economic, safeguards, social, and institutional aspects of the project, to be submitted within the sixth month from commencement of services; (vi) a final

report, to be submitted within the ninth month from commencement of services; and (vii) project processing and administration of workshops, training, seminars, and surveys before completion of the TA.

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

## **22. a. TA-8130-SOL: Outer Island Renewable Energy**

**Executing Agency** : Ministry of Mines, Energy and Rural Electrification  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 21 August 2012  
**Date Approved** : 10 August 2012

### **b. TA-8130-SOL: Outer Island Renewable Energy (Supplementary)**

**TA Amount (\$'000)** : 250.0  
**Date Approved** : 27 September 2012

The proposed project will support development of renewable energy in the Solomon Islands. It focuses on the outer islands where the project will (i) decrease the cost of power supply by replacing diesel power generation with hydropower, (ii) increase access to power through expansion of existing distribution grids, and (iii) reduce greenhouse gas emissions through development of renewable energy. The proposed project will support development of small hydropower at provincial centers, and extension of the grid. The technical, economic and financial, procurement, institutional capacity, safeguards, social, poverty, and gender aspects of due diligence will be conducted through the TA. The TA as originally approved in August 2012 was expected to (i) assess technical alternatives to ensure selected investments are least cost, (ii) prepare feasibility studies for selected investments, (iii) conduct due diligence, (iv) undertake capacity building analysis for Solomon Islands Electricity Authority, (v) assess options for involvement of private sector, and (vi) familiarize the implementing agency with ADB's procurement and disbursement procedures, and safeguard requirements. However, in September 2012, additional funding for the TA was approved alongside a change in scope to include the preparation of a Renewable Energy Investment Plan (Investment Plan) that will consist of two phases: (i) assessment of the renewable energy and preparation of the Investment Plan itself, and (ii) preparation of project proposals for potential financing by the Strategic Climate Fund – Scaling-up Renewable Energy in Low Income Countries.

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

## **23. TA-8146-TIM: Road Network Upgrading (Sector)**

**Executing Agency** : Ministry of Infrastructure (MOI)  
**TA Amount (\$'000)** : 300.0  
**Business Opportunities Listing** : 19 November 2012  
**Date Approved** : 29 August 2012

The proposed project will (i) upgrade and climate proof about 70 km of principal national roads, (ii) expand the road maintenance program of MOI, and (iii) prepare a roadmap and sector investment plan for the eastern region of TIM. In collaboration with other development partners, the project will support the progressive upgrading of the whole national road network. The TA will supplement other due diligence that will be undertaken concurrently under Loan Nos. 2857/2858: Road Network Upgrading Project approved in March 2012, which will only address the Manatuto to Natarbora road upgrading candidate subproject. The additional due diligence

under the TA is required to prepare the project as a sector project. Its major output will be a road sector investment plan for the eastern zone of Timor-Leste. The TA will research and analyze the state of road safety and prepare a road safety action plan. Candidate subprojects will be evaluated and categorized for environmental and resettlement impacts.

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

#### **24. TA-8142-UZB: Takhiatash Power Plant Efficiency Improvement**

**Executing Agency** : State Joint-Stock Company Uzbekenergo  
**TA Amount (\$'000)** : 1,200.0  
**Business Opportunities Listing** : 21 August 2012  
**Date Approved** : 16 August 2012

The objective of the proposed project is to improve energy efficiency of the Takhiatash thermal power plant with the adoption of energy efficient technology that will contribute to increased reliable power supply and climate change mitigation. It will include construction of a combined cycle gas turbine power plant, decommissioning of inefficient existing power plant units, and capacity development. It is expected that the TA consultants will undertake due diligence on the technical, economic and financial, governance, poverty and social, and safeguards aspects of the project. The TA is necessary given that: (i) the project is urgently needed in UZB; (ii) while Uzbekenergo is preparing a prefeasibility study, the detailed project scope, including EIA and decommissioning plan, are required; and (iii) there is a need for expertise from competent international and national consultants to prepare the project considering Uzbekenergo's limited experience in combined cycle gas turbine technology.

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

#### **25. TA-8171-VIE: Urban Environment and Climate Change Adaptation**

**Executing Agencies** : Provincial People's Committees of Quang Binh, Quang Nam, and Thanh Hoa  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 10 September 2012  
**Date Approved** : 21 September 2012

The ensuing project will construct and upgrade the infrastructure facilities to improve urban environmental conditions in three coastal cities of Dong Hoi, Hoi An, and Sam Son. The TA will review existing plans and studies, and develop a project suitable for ADB funding in terms of technical, financial, economic, institutional, sector policy, legal, and safeguard contexts, in conjunction with the ADB's country partnership strategy, operational experience, and lessons from evaluations of previous projects. It will (i) conduct sector and subsector analysis; (ii) help prioritize and identify project components for the ensuing loan project; (iii) determine the feasibility of the proposed investments for priority infrastructure construction and improvements covering (a) preliminary engineering designs, (b) cost estimates and financing plan, (c) financial and economic viability and sustainability, (d) environmental and social soundness, and (e) detailed implementation arrangements; and (iv) prepare institutional capacity strengthening and public awareness programs. The TA will also prepare the project administration manual that includes all the information and schedules describing project implementation. It will follow the Government's Decision 48/2008/QĐ-ttg on Common General Guidelines on Feasibility Study

Preparation for Official Development Assistance Projects Funded by Five Banks issued on 4 March 2008.

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

**26. TA-7459-REG: Greater Mekong Subregion Biodiversity Conservation Corridors (Supplementary)**

**Executing Agency** : Ministry of Environment (Cambodia) and Water Resources and Environment Agency (Lao PDR)  
**TA Amount (\$'000)** : 1,100.0  
**Business Opportunities Listing** : 21 October 2009  
**Date Approved** : 10 July 2012

The TA was first approved on 17 December 2009. A portion of the increase in TA amount will accommodate activities to prepare a proposal for an additional Pilot Program for Climate Resilience component to the Greater Mekong Subregion (GMS) Biodiversity Conservation Corridors (BCC) Project in Cambodia (Grant 0241-CAM). These will include: (i) update of commune level vulnerability assessments in BCC targeted communes and establishing baseline date; (ii) identification of appropriate infrastructure adaptation measures; (iii) preparation of pre-design and design documents; (iv) feasibility covering financial, economic, environmental, social and institutional viability; (v) preparation of draft bidding (tender) documents for infrastructure works; and (vi) identification of financial and advisory consultant inputs required for implementing the proposed climate proofing/adaptation transactions. The other portion of the increase in TA amount will accommodate activities to prepare a proposal for an additional Forest Investment Program component to the GMS BCC Project in Lao PDR (Grant 0242-LAO). These activities will: (i) examine the requirements for the establishment of a credible reference emission level for projects sites and a monitoring, reporting and verification system including the need for provincial, district and community level capacity building; (ii) assess the scope for Reducing Emissions from Deforestation and Forest Degradation measures such as forest protection and restoration; (iii) undertake social and environmental impact assessments of all the proposed investments to comply with all relevant ADB safeguards; (iv) preparation of pre-design and design documents; (v) feasibility covering financial, economic, environmental, social and institutional viability; and (vi) identification of financial and advisory consultant inputs required for implementing the proposed climate proofing/adaptation transactions.

**Status of Consulting Services** : Consultants' work is ongoing.

**27. TA-7660-REG: Trade Facilitation: Improved Sanitary and Phytosanitary (SPS) Handling in Greater Mekong Subregion (GMS) Trade (Supplementary)**

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 150.0  
**Business Opportunities Listing** : 8 November 2010  
**Date Approved** : 11 September 2012

The TA was first approved on 23 November 2010. A team of individual international and national consultants have been engaged and have completed project preparatory work for CAM and LAO, which led to successful ADB processing and approval of the ensuing loans and grant. The team has also provided support for advance action in response to the request by the two governments. Processing of the VIE loan, however, was delayed due to the parallel approval process for official development assistance funded projects in VIE. It has taken a much longer time to consult and design, and has cost more resources than originally planned. The advance action support for VIE,



while approved by the Staff Review Meeting on 7 August 2012, is unable to realistically start on full scale until loan negotiations, and most likely loan approval set at 20 November 2012. The support for advance action in CAM and LAO needs to continue and be sustained, given the projects' crucial stage in consultant recruitment and procurement. While most team members have completed their work, the international SPS policy expert and the national experts are still needed to support the final stage of VIE project processing, and provide limited procurement support for CAM. The additional funding was approved to respond to the TA's expanded needs and additional requirements for the project.

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

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

### **28. TA-8155-CAM: Strengthening Development Partner Coordination in Cambodia**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	175.0
<b>Business Opportunities Listing</b>	:	23 November 2012
<b>Date Approved</b>	:	30 August 2012

The TA is expected to enhance the Government's aid effectiveness program by: (i) providing support to the Lead Development Partner Facilitator (the Country Director, CARM, as elected) in carrying out his tasks; (ii) contributing to the activities of the technical working groups (TWGs) in areas of relevance to ADB's Country Partnership Strategy; (iii) supporting the Government with actions to respond to the challenges laid down in the Busan High Level Forum; and (iv) strengthening the Government's managing for development results (MfDR) activities and the use of results frameworks. The key outputs of the TA will include: (i) improved policy dialogue on aid effectiveness; (ii) more productive TWGs and improved sector-level collaboration; (iii) stronger country ownership and adoption of improved aid coordination practices; (iv) adoption of MfDR principles by the Government and development partners, including use of results frameworks in preparing the National Strategic Development Plan 2014-2018 and Joint Monitoring Indicators linked to results frameworks in key sectors; and (v) program of actions to reduce aid fragmentation. The key activities associated with the TA outputs will include a series of formal and informal meetings, workshops/training sessions, and focus group discussions with government officials, civil society organization representatives, and relevant stakeholders.

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

### **29. TA-8137-GEO: Georgia Investment Forum**

<b>Type of Technical Assistance</b>	:	Policy and Advisory
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	170.0
<b>Business Opportunities Listing</b>	:	23 November 2012
<b>Date Approved</b>	:	12 July 2012

The TA will support a Georgia Investment Forum (The Forum) in Tbilisi. The Forum is expected to gather some 300 private sector stakeholders and government officials, as well as representatives of development partner institutions, business associations, chambers of commerce, and other relevant organizations from ADB member countries. The goal of The Forum is to learn about GEO's private sector development opportunities and its initiatives to improve its business environment and promote inclusive economic growth. The detailed scope and agenda of The Forum will be prepared in consultation with government agencies and private sector stakeholders. The key activities of the 2-day Forum include (i) presentation by the government agencies describing GEO's macroeconomic and business environment, and relevant reform initiatives; (ii) in-depth sector reviews including recent sector reforms by the government agency representatives and relevant private sector stakeholders; (iii) presentation of PPP and private investment opportunities by government and private sector stakeholders; and (iv) presentation by resource person of paper on the role of regional trade hubs.

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

### **30. TA-7038-INO: Enhancing the Legal and Administrative Framework for Land (Supplementary)**

<b>Type of Technical Assistance</b>	:	Policy and Advisory
<b>Executing Agency</b>	:	Badan Pertanahan Nasional (BPN)
<b>TA Amount (\$'000)</b>	:	200.0
<b>Business Opportunities Listing</b>	:	12 October 2009
<b>Date Approved</b>	:	13 July 2012

Original TA approval was on 20 December 2007, with first increase in financing approved on 10 September 2009. The consultants under the TA worked closely with the Government to prepare the draft land acquisition law. The assistance included the conduct of several workshops and diagnostic assessments. The land acquisition law was approved by the Parliament on 15 December 2011 and became law on 14 January 2012. The main focus of the TA now is to support the preparation of a draft land law. Related to this, several background papers were prepared to identify the various issues to be covered under the land law. In order to ensure that the TA is able to provide assistance with greater focus and impact, ADB and BPN agreed that ADB's support should be limited to the following topics: (i) land rights, including customary land rights and three-dimensional land rights; (ii) land registration; (iii) land disputes; and (iv) gender related issues. The essential research, focus group discussion, and workshops required have been identified for each of these topics. This increase in TA funding will allow for additional consulting services based on the agreed scope of ADB's assistance relating to the preparation of a draft land law.

**Status of Consulting Services** : Consultant's work is ongoing.

### **31. TA-8139-LAO: Strengthening National Commission for Advancement of Women Network in the Ministry of Public Works and Transport**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	225.0
<b>Business Opportunities Listing</b>	:	2 November 2012
<b>Date Approved</b>	:	9 August 2012

In light of the expanding investments in urban development, water supply and sanitation, and with the potential for gender mainstreaming and the need to strengthen the implementation of gender strategies of ongoing and future projects, the TA will strengthen the capacity of the National Commission for Advancement of Women (NCAW) to support line ministries in gender sensitive planning, budgeting, and monitoring and evaluation (M&E). NCAW's mandate is to support NCAW networks in line ministries – divisions for the advancement of women and subcommittees for the advancement of women – which have limited human and technical resources and lack clear understanding of their roles, responsibilities and coordination mechanisms for effective gender mainstreaming. Hence, gender has not been well integrated into the planning, budgeting and M&E cycle of most line ministries, as these lack critical capacity in gender analysis and gender sensitive M&E. Given ADB's extensive past and present involvement in the Ministry of Public Works and Transport, ADB support under the TA will focus on this ministry. Lessons learned and materials developed can then be utilized by NCAW to introduce gender sensitive planning and budgeting in other line ministries.

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

### 32. TA-8113-MYA: Support for Trade Policy Development

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	225.0
<b>Business Opportunities Listing</b>	:	16 November 2012
<b>Date Approved</b>	:	16 July 2012

The ADB is in preliminary stages of reengaging in economic policy dialogue and capacity development with the Government for the first time in almost three decades. The reengagement supports the Government's commitment to implement economic reforms to reintegrate the economy with global markets. These reforms are also being introduced in conjunction with important democratic reforms. The TA will support MYA's reintegration with the global economy. In implementing the TA, ADB will work closely with the Ministry of Commerce (MOC) in providing policy advice on trade policy reforms in support of reintegration with global markets. It is the intention of ADB that the TA will provide the foundation for a longer term partnership and support for strengthening economic policy and reforms. For trade policy development (trade taxes, licensing, and rules of origin), the key TA activities include: (i) policy advice on trade taxes; (ii) policy advice of ways to introduce automatic and non-automatic licensing system consistent with World Trade Organization rules, and to improve other trade policy measures; (iii) development of regulatory policy for issuance of certificates of rules of origin under the Association of Southeast Asian Nations (ASEAN) Free Trade Agreement; (iv) support for MYA's preparation for its first trade policy review, and (v) carry out a needs assessment for the MOC. For trade facilitation through better food safety standards, key TA activities will involve diagnostics on the current SPS system and needs, and development of an action plan for modernizing SPS (food safety management) to improve small and medium-sized enterprises (SME) food processors' food safety standards and market access.

**Status of Consulting Services** : Consultants' work is ongoing.

### 33. TA-8114-MYA: Capacity Development Support for Improving the Business Climate

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	225.0
<b>Business Opportunities Listing</b>	:	16 November 2012
<b>Date Approved</b>	:	16 July 2012

The ADB is in preliminary stages of reengaging in economic policy dialogue and capacity development with the Government for the first time in almost three decades. The reengagement supports the Government's commitment to implement economic reforms to reintegrate the economy with global markets. These reforms are also being introduced in conjunction with important democratic reforms. The TA will support MYA's reintegration with the global economy. In implementing the TA, ADB will work closely with the Ministry of National Planning and Economic Development and, in particular, the Directorate of Investment and Company Administration (DICA). It is the intention of ADB that the TA will provide the foundation for a longer term partnership and support for strengthening economic policy and reforms. For a company registration and information management system, key TA activities will involve (i) diagnostics of the current company registration system and procedures, and assist DICA in upgrading the business registry information management system at DICA and two pilot offices – Yangon and Mandalay – prior to the government rolling out systems to other provinces; and (ii) exposure visits to company registration offices in neighboring economies prior to upgrading the existing systems. For policy capacity development, key TA activities will include (i) a roundtable discussion covering

selected economic policy areas and cover capacity development in central banks, and steps for implementing a sound monetary policy framework, sequencing financial sector reforms, trade reforms, investment, business climate and SME development; as well as (ii) determination of detailed topics to be taken up during the said roundtable discussion, in consultation with relevant MYA counterpart agencies.

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

#### **34. TA-8136-MYA: Myanmar Tourism Master Plan**

**Type of Technical Assistance** : Policy and Advisory  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 12 November 2012  
**Date Approved** : 5 July 2012

The TA is in response to the need to set out a framework for sustainable tourism development in MYA. It will: (i) support the Ministry of Hotels and Tourism to conduct a comprehensive tourism sector assessment and analysis of strategic issues, key constraints and development needs in close consultation with government ministries and departments, the private sector, development partners and civil society; and (ii) prepare a tourism master plan comprising a long-term tourism strategy and short-term action plan that are aligned with national development priorities and harmonized with the tourism sector strategies of the GMS and ASEAN. A team of international and national experts together with counterpart agencies will undertake diagnostic studies, individual consultations, surveys, and workshops to assess tourism's current and potential role in MYA's social and economic development, including analysis of tourism's overall performance, trends, and risks and opportunities. The analysis will focus on policy, institutional, and governance issues affecting sustainable development of the sector, and identify constraints and solutions for improving: (i) tourism-related human resources; (ii) management of negative social and environmental impacts of tourism, including its impacts on climate change; (iii) tourism management at natural and cultural heritage sites; (iv) development of pro-poor tourism products and services; (v) marketing and promotion; (vi) private sector investment, including PPPs; (vii) cross-border and internal travel facilitation; and (viii) tourism-related infrastructure. Analysis and solutions to address gender and ethnic concerns will be mainstreamed into the planning methodology.

**Status of Consulting Services** : Consultant's work is ongoing.

#### **35. TA-8156-MYA: Improving Fiscal Revenue Mobilization**

**Type of Technical Assistance** : Policy and Advisory  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 16 November 2012  
**Date Approved** : 16 August 2012

The ADB is in preliminary stages of reengaging in economic policy dialogue and capacity development with the Government for the first time in almost three decades. This reengagement supports the Government's commitment to implement economic reforms to reintegrate the economy with global markets. These reforms are also being introduced in conjunction with important democratic reforms. The TA will support improving revenue policy. In implementing the TA, ADB will work closely with the Ministry of Finance and Revenue (MOFR) in providing policy advice on tax policy public debt management. The tax policy and administration support

component will provide input to the MOFR in its draft amendments to tax code that are benchmarked against regional practice and appropriate for a low income country. It will also provide policy advice on ways to improve revenues from direct income and indirect taxes, and sketch out a strategic framework for tax administration reforms as a building block for establishing a transparent, simple and fair tax system. For the public debt management component, key activities will include (i) assistance with organizing the back office functions of the public debt division at MOFR and assess timetable for automation of debt accounting and recording; (ii) staff capacity development in back office functions; and (iii) guidance on establishing middle and front office functions.

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

### **36. TA-8135-PHI: Design of a Pilot Project to Improve Environmental Conditions of Estero de Paco**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Pasig River Rehabilitation Committee (PRRC)  
**TA Amount (\$'000)** : 220.0  
**Business Opportunities Listing** : 21 November 2012  
**Date Approved** : 8 August 2012

Discussions during the Pasig River Forum held on 24 April 2012 at ADB headquarters revealed PRRC's strong interest in a technology trial or pilot project to continue improving the environmental conditions of Estero de Paco, a contributory of the Pasig River in Manila. Estero de Paco was selected to gather representative data. Through the implementation of good wastewater management and operational practices, a pilot project will provide capacity building and will transfer the most appropriate practice to control pollution and improve environmental conditions in the estero. The TA project will provide a good analysis of all the available alternatives, which will lead to the best technical, economic, and location options for the pilot project. The activities of the TA are as follows: (i) assessment of existing physical conditions and pollution contributors; (ii) identification of bottlenecks and barriers for full sewage captures; (iii) assessment of appropriate wastewater treatment technologies for the estero; (iv) review and analysis of previous interventions in local estero management and clean-up activities, including the involvement of community-based organizations (CBOs) and nongovernment organization (NGOs); (v) sustainability assessment of selected technologies, including intermediate technologies appropriate for local operation and maintenance; (vi) environmental study; (vii) evaluation and ranking of technologies; (viii) capacity building of the PRRC; (ix) capacity building of CBOs, NGOs, and stakeholders on clean up; (x) feasible and viable project demonstration activity design; and (xi) knowledge transfer and dissemination.

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

### **37. TA-7827-REG: Strengthening Climate Risk and Resilience Capacity of Pacific Developing Member Countries, Phase I (Supplementary)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 195.0  
**Business Opportunities Listing** : 25 March 2011  
**Date Approved** : 29 August 2012

The TA, first approved in 22 June 2011, was designed to implement Phase 1 of the Pilot Program for Climate Resilience – to develop a Strategic Program for Climate Resilience

(SPCR), including an investment program – in PNG and TON. It included training for key infrastructure ministries on climate change adaptation mainstreaming and preparation of investment proposals for increasing the climate resilience of infrastructure and other development projects in PNG and TON. The SPCR proposals for PNG and TON were completed and submitted to the Climate Investment Fund Secretariat. In parallel with these country-level SPCRs, Strategic Climate Fund country programming budget was used to finance the development of a regional SPCR with the same objectives, outputs and anticipated impacts as the TA, with a view to extending PPCR activities to 11 other Pacific developing member countries (PDMCs). The additional financing will allow a major change in the TA's scope to include support for this regional SPCR. The regional SPCR will help build capacity and support more effective integration of climate change adaptation and related disaster risk reduction across the Pacific Region as a whole and help the PDMCs become resilient to climate change and climate-related disasters. It will focus on replicating and scaling-up good practices and lessons learned (knowledge and capacity building) from the PNG and TON country tracks to the other 11 countries. The regional SPCR will provide support to countries that currently can best be provided on a regional, rather than on a national basis.

**Status of Consulting Services** : Consultants' work is ongoing.

### **38. TA-7859-REG: Asian Development Outlook 2012 (Supplementary)**

<b>Type of Technical Assistance</b>	: Research and Development
<b>Executing Agency</b>	: Asian Development Bank
<b>TA Amount (\$'000)</b>	: 22.0
<b>Business Opportunities Listing</b>	: 27 July 2011
<b>Date Approved</b>	: 5 July 2012

The TA, originally approved on 8 September 2011, aims to support activities that influence the intellectual environment within which authorities in developing Asia and the Pacific formulate policies, and at the same time promote ADB as an independent source of knowledge about the region. Its main outputs are the reports Asian Development Outlook 2012 (ADO 2012) and its update. The launch of ADO 2012 was very successful, with the key messages of the ADO being widely reported. The outreach activities have attracted wide media attention and were covered extensively in top tier international media and carried on the international newswires. In particular, the theme chapter entitled "Confronting Rising Inequality in Asia" was well-received in different academic forum. In view of the encouraging response received on the ADO 2012 theme chapter, ERD proposes that the background papers used in the preparation of the theme chapter be published as a collective volume. These papers contain a wealth of information on inequality and producing it as a book will provide researchers with a more in-depth analysis of the driving forces of the rising inequality in developing Asia, its implications on the region's efforts to eradicate income and non-income poverty, and take stock of the policy actions that the Asian governments are taking to address these problems. Moreover, it will provide lessons for Asian countries which can form basis recommendations for future policy making in pursuing the inclusive growth strategy. To ensure a high quality publication which conforms to ADB's editorial style and usage, it is important that careful editing of the background papers be undertaken. Thus the additional funds will be used to (i) engage the services of an additional editor and layout artist/typesetter; and (ii) finance a buyback arrangement related to a co-publishing arrangement being finalized with the publisher.

**Status of Consulting Services** : Consultants' work is ongoing.

**39. TA-8039-REG: Support for the Preparation of Harmonized Regional Cross-Sector and Thematic Assessments, Strategies and Roadmaps for a Regional Cooperation Strategy for Southeast Asia, 2013-2015 (Supplementary)**

<b>Type of Technical Assistance</b>	: Policy and Advisory
<b>Executing Agency</b>	: Asian Development Bank
<b>TA Amount (\$'000)</b>	: 30.0
<b>Business Opportunities Listing</b>	: 21 December 2011
<b>Date Approved</b>	: 21 August 2012

The TA, first approved on 27 December 2011, is to undertake a background economic assessment of the likely impact of the ongoing global macroeconomic shifts on ASEAN and the three subregional groupings in Southeast Asia (Brunei Darussalam-Indonesia-Malaysia-Philippines East ASEAN Growth Area, GMS, and Indonesia-Malaysia-Thailand Growth Triangle); and targeted three harmonized regional cross-sector and thematic assessments, strategies and roadmaps (ASRs) on improving connectivity (transport, energy, and basic urban infrastructure along some of the main corridors), enhancing competitiveness (capital and labor markets), and fostering sustainable environment. To date, first drafts have been prepared on the background economic analysis, regional transport connectivity, and regional energy connectivity, and draft assessments of basic urban infrastructure along some of the main corridors and regional competitiveness in the areas of capital and labor markets are expected to be completed within the coming weeks. An environmental expert consultant has been identified and is in the process of being engaged to lead the preparation of the regional environment ASR. The increase in funding will enable to complete the regional connectivity and competitiveness ASRs to the required standard, allow additional consultants to participate in the country consultations and finance some additional workshops so that the consultants can incorporate the feedback to these discussions in their revised drafts.

**Status of Consulting Services** : Consultants' work is ongoing.

**40. TA-8120-REG: Grid Integration of Renewable Energy Sources and Solar Energy Technologies**

<b>Type of Technical Assistance</b>	: Capacity Development
<b>Executing Agency</b>	: Asian Development Bank
<b>TA Amount (\$'000)</b>	: 130.0
<b>Business Opportunities Listing</b>	: 19 July 2012
<b>Date Approved</b>	: 23 July 2012

The TA aims to build developing member countries' (DMCs) capacity on grid connection of renewable energy sources and technologies, and their prerequisite policy, legal, regulatory environment and incentive mechanisms (e.g., feed-in tariffs and subsidies). It will equip 10 DMC technical staff, particularly from the main electric utilities and/or grid operators, with the necessary skills to enable them to design and promote grid-integrated renewable energy projects. The outputs and key activities of the TA will be (i) the organization of an 11-day training workshop that will facilitate knowledge sharing on grid integration of renewable energy, and solar photovoltaic, thermal and wind technologies for 10 DMC participants, and (ii) the development of training design and materials on issues and best practices on renewable energy technologies applicable to Asia and the Pacific. Topics to be discussed during the 11-day training workshop will include technical sessions on renewable technology, assessment of solar resources, policy and regulatory environment, and financial analysis. Field site visits to solar and wind power plants will be incorporated into the training. The training modules and materials will be designed to suit relevant



conditions and policy considerations in the participating DMCs. All training materials will be provided on the ADB website as a knowledge product.

**Status of Consulting Services** : Consultant's work is ongoing.

#### **41. TA-8131-REG: Strengthening Gender Capacity in SERD DMCs**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 8 November 2012  
**Date Approved** : 14 August 2012

ADB's Strategy 2020 includes "promoting gender equity" as one of the drivers of change for achieving inclusive and sustainable growth and poverty reduction. The ADB results framework commits to 40% of all ADB projects and 50% of projects financed by the Asian Development Fund to be approved with "significant gender mainstreaming" by 2012. In light of the expanding gender mainstreaming portfolio in the Southeast Asia region, the TA is expected to (i) strengthen DMC capacity to design and implement project gender action plans; (ii) support innovative and strategic approaches to address gender issues in infrastructure (e.g. energy, transport, water supply and sanitation and urban development) and other sectors of importance (governance, public sector management, small and medium enterprise development); (iii) support lateral and peer learning for DMC EAs and IAs in country and across the subregion; and (iv) prepare and disseminate gender-related knowledge products.

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

#### **42. TA-8176-REG: Prevention and Detection of Fraud and Corruption**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 200.0  
**Business Opportunities Listing** : 1 November 2012  
**Date Approved** : 25 September 2012

The Anticorruption Policy is part of ADB's broader effort to advance transparency, predictability, accountability, and participation under its Governance Policy. To meet the Anticorruption Policy's objectives, the Office of Anticorruption and Integrity (OAI) is mandated, among others, to support training, education, and information dissemination activities among ADB staff, government officials, consultants and contractors, representatives of civil society, and other ADB stakeholders in promoting good governance and sound development management. OAI is about to complete TA 6449-REG: Enhancing Collaboration with Supreme Audit Institutions (SAIs) through Project Procurement-Related Reviews (PPRRs). TA 6449-REG has enabled SAIs to participate in 11 PPRRs in selected DMCs from 2008 to 2011, and a total of 171 SAI auditors to attend five workshops as of 30 June 2012 to enhance their technical knowledge and skills to detect and deter fraud and corruption in ADB-administered activities. This TA, 8176-REG, will continue with the previous TA's efforts and expand the scope of the workshops to the private sector for the fight against fraud and corruption. Private sector refers to suppliers, contractors, consultants, beneficiaries, and civil society, including but not limited to NGOs involved in ADB projects. The TA is aligned with ADB's corporate strategy (Strategy 2020), and will directly support the important drivers of change identified, namely: good governance and capacity building, knowledge solutions, and partnership. As an enhanced follow-up to TA 6449-REG, it will finance workshops focusing on (a) increasing private sector's awareness of and

compliance with ADB's Anticorruption Policy; and (b) transferring ADB's fraud and corruption detection skills to SAs and anticorruption commissions (ACCs). It will encourage the private sector to uphold the highest ethical standards in dealing with ADB. Participants of SAs and ACCs will be trained in, among other things, the best practices in detection of fraud and corruption and will learn to develop preventive measures to mitigate fiduciary risks and opportunities before fraud, corruption, or abuse of resources occur.

**Status of Consulting Services** : No consulting services required.

#### **43. TA-8211-REG: Designing a Framework for the Asia SME Finance Monitor**

**Type of Technical Assistance** : Research and Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 15 November 2012  
**Date Approved** : 28 September 2012

While small and medium enterprise (SME) data availability, for both financial and non-financial data, has been gradually improved at the national level, there is currently no comprehensive multi-country database on SMEs which everyone can easily access at one-stop. The TA aims to design a feasible framework for a comprehensive SME financial and non-financial information sharing platform in Asia and the Pacific at ADB called "Asia SME Finance Monitor" (the Monitor). The Monitor is a one-stop information sharing platform on SMEs and SME finance for DMCs in the form of periodical and web portal, and will provide (i) in-depth analyses of issues relevant to SME finance, (ii) country best practices and experiences on SME finance, and (iii) timely and comparative data on SMEs and SME finance in the Asia-Pacific region. The TA focuses on designing core data components of the Monitor, methodologies of data collection and analysis, and a business model including the exit strategy. If the TA confirms the viability of the Monitor, a regional research and development technical assistance will be seamlessly formulated to implement it.

**Status of Consulting Services** : No consulting services required.

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

#### **44. TA-8129-IND: Advanced Project Preparedness for Poverty Reduction – Updating Load Forecasting and Power System Master Plan for Assam (Subproject 26)**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Department of Power, Government of Assam
<b>TA Amount (\$'000)</b>	:	400.0
<b>Business Opportunities Listing</b>	:	15 November 2012
<b>Date Approved</b>	:	3 August 2012

The cluster TA for Advanced Project Preparedness for Poverty Reduction was approved on 31 August 2009. Its expected outcome is achievement of comprehensive project preparedness in the poorer Indian states (including Bihar, Jharkhand, Madhya Pradesh, Chattisgarh, Orissa, Rajasthan, Uttarakhand and Assam) in pro-poor sectors. Assam is likely at the inflection point for explosive growth in electricity demand. Under the ongoing Rajiv Gandhi Gramin Vidyut Yojana, all villages are being connected to the grid, and this is likely to lead to an exponential growth in electricity demand. Moreover, the economic reforms in the state of Assam are gathering momentum to a growth path. As a result, the ongoing suppressed industrial and urban demand is also likely to increase substantially. Given its predominant position in northeast India, Assam expects the state grid to function as a backbone for the North Eastern Region, and will need to support the demand of the neighboring states. In this context, apart from enhancing the generation capacity, the transmission and distribution network in Assam need to be strengthened to support the fast growing load demands. For this, a comprehensive regular update of demand forecast and a power system master plan are essential. The TA is, thus, a response to the Government of Assam through the Department of Economic Affairs' request for assistance to update the electricity demand forecast for Assam, and to prepare a master plan for electricity network development for mid-term period for Assam and the adjoining neighboring states. The subproject will come up with an investment plan that will be the basis of the investment program for the proposed MFF for Assam power in 2014.

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

#### **45. TA-7627-REG: Enabling Climate Change Responses in Asia and the Pacific – Capacity Development to Address Climate Change (Subproject 3) (Supplementary)**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	600.0
<b>Business Opportunities Listing</b>	:	8 July 2010
<b>Date Approved</b>	:	5 July 2012

The TA is a subproject of the cluster TA on Enabling Climate Change Responses in Asia and the Pacific that was approved by the Board on 30 July 2010. Its goal is to strengthen participating DMCs and development practitioners' capacity to apply the best available climate change knowledge to development planning. It has four components: (i) achieving development and climate change results, which will improve monitoring and evaluation of climate change investments; (ii) climate change capacity development for policymakers, regulators and development professionals; (iii) a climate and air quality risk assessment tool; and (iv) applying development communications to improve climate responses. The increase in the TA's funding will accommodate the design and delivery of the first year of the Asia Pacific Leadership Program on Sustainable Development and Climate Change. The proposed Asia Pacific Leadership Program, delivered by ADB and its knowledge-based partners, will target policymakers in DMCs. It aims to

inspire leadership and empower participants in a manner appropriate to the Asia Pacific through the acquisition of regionally relevant insights and skills, in order to take actions to integrate sustainable development and climate change priorities into policies, strategies, and programs for economic and social development through a process of active learning focusing on change and transformation. The proposed Program will develop the following outputs over the next twelve months: (i) pilot workshop with knowledge-based partners and identified DMC “champions” to fully develop the program, test modules, and assess the quality of resource speakers/facilitators; (ii) a leadership program, hosted by a DMC with visible climate change impacts; and (iii) an online “leadership knowledge platform” and community of learners comprising participants, ADB staff, and learning institutions, to acquire and share new information as well as maintain and build professional connections. The Asia Pacific Leadership Program will then become an annual program, to be conducted over a three year period.

**Status of Consulting Services** : Consultants’ work is ongoing.

**46. TA-7645-REG: Enabling Climate Change Responses in Asia and the Pacific – Strengthening Planning Capacity for Low Carbon Growth in Developing Asia (Subproject 4) (Supplementary)**

**Type of Technical Assistance** : Research and Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 135.0  
**Business Opportunities Listing** : 9 November 2010  
**Date Approved** : 24 August 2012

The TA, a subproject of the cluster TA on Enabling Climate Change Responses in Asia and the Pacific that was approved by the Board on 30 July 2010, aims to facilitate developing Asia’s transition toward low carbon development pathway, primarily through (i) development and application of the much needed country-specific low-carbon growth modeling framework; (ii) development of low-carbon roadmaps, and (iii) training sessions and workshops to enhance the capacity of relevant agencies/institutions of participating countries to update and utilize the model for planning purposes. It is implemented in close partnership with five Southeast Asian DMCs – Indonesia, Malaysia, Philippines, Thailand, and Viet Nam. The additional financing will allow several data challenges, that were identified along the process of tailoring the country-specific low carbon planning tools and from feedback provided by stakeholders during previous consultation and training workshops, to be addressed in order to further refine the models and databases suitable for local context. Additional in-country trainings on the tools have also been requested by the DMCs. It will also support, among other additional TA activities, the development of a Southeast Asia version of 2050 Pathway Calculator Tool – a web-based, interactive and user-friendly policy simulation tool for policymakers and general public – that will be constructed directly from the outputs of the TA’s modeling activities.

**Status of Consulting Services** : Consultants’ work is ongoing.

**47. TA-8018-REG: Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific – Promotion of Investment in Climate Technology Products through Venture Capital Funds (Subproject 1) (Supplementary)**

**Type of Technical Assistance** : Policy and Advisory  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 2,900.0

**Business Opportunities Listing** : 20 January 2012  
**Date Approved** : 6 July 2012

The TA is a subproject of the cluster TA 0008-REG: Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific that was approved on 29 August 2011. It seeks to support venture capital funds through the provision of expert advice on emerging technologies that can help address climate change. Venture capital funds invest in early stage companies that take several years before generating profits. Therefore, these funds tend to start out with small management teams and have difficulty surviving the first few years, often shifting their focus towards late state companies with potential for quick financial return. This contributes to the “valley of death” commonly referenced by start-up companies starved of funding. The TA aims to help bridge this gap by reinforcing the venture capital funds with external technical experts, helping them to stay focused on early stage companies and encouraging them to pay greater attention to technologies that can better address climate change. The increase in financing will be used to cover: (i) a portion of consulting inputs from the global anchor team and regional teams; (ii) entire national consulting inputs of an operations coordinator, and a research assistant; (iii) a portion of national consulting inputs of ad hoc technical specialists; (iv) a portion of travel expenses for TA missions; (v) a portion of costs of annual regional meetings; (vi) resource persons; and (vii) a portion of publications and information services.

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

**48. TA-8109-REG: Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific – Integration of Climate Technology Financing Needs into National Development Strategies, Plans, and Investment Priorities (Subproject 3)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 1,059.1  
**Business Opportunities Listing** : 7 October 2011  
**Date Approved** : 5 July 2012

This subproject of cluster TA 0008-REG seeks to enable ADB DMCs to mainstream climate technology financing considerations into national development strategies and investment priorities. In developing Asia-Pacific countries, the remit for climate change policymaking and planning more often than not rests with environment agencies, which frequently leads to a disconnection between climate change issues, and broader development and investment strategies administered by planning and finance ministries. This subproject will support the incorporation of climate technology considerations into the ADB Country Partnership Strategy and/or Country Operation Business Plan processes, with the aim of bridging climate technology-related gaps and opportunities identified by environment and other line agencies, and investment programs coordinated by economic and planning ministries. It will also promote the consideration of climate technology transfer and diffusion in national development planning and policymaking. By providing technical and mainstreaming support, the subproject will directly enable the linking of national commitments on promoting climate technologies, Technology Needs Assessments, best practices on financing climate technologies, and national investment planning processes. A key component of the technical support will consist of assessing climate technology options, and identifying financing and support options. This subproject can also be a vehicle for the broader integration of climate technology policies into national development strategies, which will lead to cleaner investment over the medium term. Within the broader effort to establish the pilot Asia-Pacific Climate Technology Network and Finance Center that ADB will jointly undertake with the United Nations Environment Programme (UNEP), this subproject will

complement the UNEP implemented component which focuses on establishing enabling conditions for climate technology transfer and investment. The integration of climate technology financing into national development strategies and investment priorities promoted by this subproject is expected to play an important role in helping DMCs access funding from the Green Climate Fund under the United Nations Framework Convention on Climate Change.

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

**49. TA-8122-REG: Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific – Project Management (Subproject 4)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 300.0  
**Business Opportunities Listing** : 19 November 2012  
**Date Approved** : 23 July 2012

This TA is one of the five subprojects of cluster TA 0008-REG: Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific approved by the ADB Board on 29 August 2011. The TA cluster serves as the vehicle to implement ADB components of a broader project Pilot Asia-Pacific Climate Technology Network and Finance Center Project that ADB will undertake in partnership with UNEP, and with funding support from bilateral and multilateral partners, including the Global Environment Facility. ADB's components pertain to the pilot climate technology finance center and will focus on investment facilitation, while UNEP's components will focus on network facilitation and the design and implementation of enabling policies for technology transfer and diffusion. The subproject will provide overall project management and coordination services for the TA cluster and the ADB-UNEP joint project to ensure their efficient and effective implementation and monitoring. It will also help maximize synergy among the subprojects, and between ADB and UNEP components.

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

**50. TA-8132-REG: Establishing a Pilot Center to Facilitate Climate Technology Investments in Asia and the Pacific – Promotion of Direct Investment in Priority Climate Technology Projects (Subproject 5)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 5 August 2011  
**Date Approved** : 3 August 2012

The subproject is part of broader cluster regional TA that aims to enhance the diffusion of technologies that promote low-carbon and climate-resilient development in Asia and the Pacific. The interlinked subprojects under the cluster TA address cross-cutting issues surrounding climate technology transfer, including the development of mechanisms and policies to facilitate technology transfer, resource mobilization, and the development of human and institutional capacity for technology transfer. The subproject will facilitate project finance for climate technology transfer in priority sectors, by supporting the use of clean energy and climate resilient technologies in ADB pipeline investment project. It will offer specialist technical support for activities such as alternative technology analysis in identified priority technology areas, in particular for commercially available technologies that are new to a country or context but are used elsewhere. By providing specialist technology knowledge services tailored to the specific needs of the investment activity, the

subproject will contend with investor uncertainty and the lack of familiarity of new technologies. The provision of this technical assistance at project identification and design stage will address the barriers of lack of information and inadequate human and institutional capacity, thereby reducing the uncertainty and transaction costs associated with the introduction of new technologies. In addition, the subproject will provide seed money for the procurement of low-cost adaptation technologies.

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

**51. TA-8168-REG: Implementation of Sustainable Transport in the Asia and Pacific Region – Promoting Socially Sustainable Transport through Improving Nonmotorized Transport (Subproject 4)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 2,000.0  
**Business Opportunities Listing** : 8 September 2012  
**Date Approved** : 19 September 2012

Rapid urbanization in Asia and the Pacific is accelerating private vehicle motorization at an unprecedented rate across the region. In 1980, just 9% of the world's 360 million motorized vehicles were found in Asia and the Pacific. By 2030, nearly half of the world's projected 1.5 billion vehicles will be in the region. The impacts of rapid and uncontrolled motorization affect the realization of environmental and social sustainability objectives. The subproject will create quality demonstrations of nonmotorized transport (NMT) in order to help offset these trends. The impact of this subproject is the delivery of efficient, safe, affordable, and sustainable NMT facilities developed in three demonstration cities with replication across Asia and the Pacific. By facilitating the development and implementation of quality pedestrian areas and the demonstration of NMT facilities and technologies, this technical assistance will provide a basis for future scaling-up of these types of interventions. This project will lead to an outcome in which access and mobility to jobs and services for the urban poor and vulnerable groups are improved through the provision of quality NMT facilities in the demonstration cities. This project will particularly highlight the social sustainability benefits of NMT investment through the delivery of a technical design guidance tool.

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